JOHN A. LOGAN COLLEGE

2024-2025 College Catalog

John A. Logan College

700 Logan College Drive
Carterville, Illinois 62918-2500
Telephone: (618) 985-2828
Toll-Free: (800) 851-4720
Website: jalc.edu

Additional Sites

Alongi Du Quoin Extension Center
72 Southtowne Shopping Center
Du Quoin, Illinois 62832
Telephone: (618) 542-9210
Fax: (618) 542-9152

West Frankfort Extension Center
19 West Frankfort Plaza
West Frankfort, Illinois 62896
Telephone: (618) 932-6639
Fax: (618) 932-6263

Accredited by:

The Higher Learning Commission
230 South LaSalle Street, Suite 7-500
Chicago, Illinois 60604-1411
https://www.hlcommission.org/

Recognized by:

Illinois Community College Board
Illinois Board of Higher Education
Illinois State Board of Education
Illinois Department of Veterans Affairs

For the most up-to-date information visit the **college website**. John A. Logan College is committed to equal access and opportunity for all students. For more information, please consult the ***Student Guidebook***.

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Welcome from the President

Welcome to John A. Logan Community College!

I am thrilled to welcome each of you as you embark on your journey with us. Whether you are beginning your college experience or continuing your education, you have chosen a remarkable institution dedicated to your success.

At John A. Logan Community College, we are committed to providing exceptional education and training that prepares you for the challenges and opportunities of today's world. Our faculty and staff are here to support you every step of the way, ensuring that you have the resources and guidance needed to achieve your academic and personal goals.

As you settle into campus life, I encourage you to take advantage of the many opportunities available to you. Get involved in student organizations, participate in campus events, and explore the diverse array of academic programs and services offered. Your time at JALC is not just about earning a degree or certificate—it's about discovering your passions, building lifelong friendships, and preparing for a bright future.

I hope you find the information within this catalog useful. In it, you will find resources to help you decide your educational goals and aspirations. The College offers programs for students planning to transfer to a four-year university, career and technical education leading directly to employment, and adult education, literacy, and enrichment courses. Support services like Career Services and the Student Success Center are here to help you succeed in these areas. If you need additional information or assistance, you will find that my colleagues here at JALC are ready to step in and assist you.

The College also has a dining service and coffee shop on campus and has transitioned to a new virtual online bookstore operation that can provide required course materials and other merchandise at more cost-effective pricing. In coordination with the new virtual bookstore, we will have an on-campus college store for merchandise and supplies that will serve as the hub for student orders from our virtual store.

I believe you will find that JALC is committed to enriching lives through learning and community engagement by providing a high-quality, low-cost education to our community of learners.

My commitment to you is that through innovation and equitable learning opportunities, JALC will be the College that encourages your growth, cultivates your learning, and promotes your cultural understanding in a welcoming, diverse, and equitable environment.

JALC is fully accredited by the Higher Learning Commission and recognized by the Illinois Community College Board, the Illinois Department of Education, and the Illinois Department of Veteran Affairs. JALC is a state and national leader in higher education and career preparation.

As the President of John A. Logan Community College, I am here to serve you and advocate for your success. My door is always open, and I welcome your feedback, questions, and ideas. Together, we will continue to uphold the proud tradition of excellence that defines our institution.

Once again, welcome to John A. Logan Community College. I am excited to see all that you will accomplish during your time here.

Sincerely,

Kirk E. Overstreet, Jr. Ph.D.

Kirk E. Overstreet, Jr. Ph.D.
President
John A. Logan Community College

All About John A. Logan College

Mission

To enrich lives through learning and community engagement.

Vision

Through innovation and equitable learning opportunities, John A. Logan College will be a College of excellence that inspires growth, cultivates learning, and promotes cultural understanding.

Philosophy

John A. Logan College believes in the inherent worth and dignity of the individual. Derived from that belief is the concept that education is important to the cultural, intellectual, and social enlightenment of the individual; that high-quality educational opportunities are the right of the citizens to whom the College belongs; and that education is vital to the area's economic growth. Because our citizens have worth, dignity, and potential regardless of their age, economic status, or social station, the College assumes the obligation to serve its citizens through an open-admission concept with lifelong learning opportunities.

Within the limits of the College's ability to attain and maintain a solid financial base, it is ready and eager to provide low-cost traditional and non-traditional education opportunities whenever, wherever, and however they are needed by the citizens to improve the quality of their lives.

Core Values

- Student-Centered
  We are committed to providing quality learning opportunities and assisting students at each step in their educational journey.
- Integrity
  We are committed to creating trust and confidence in our college community that acts with honesty and forthrightness, holding ourselves to high academic and ethical standards.
- Respect
  While recognizing and valuing the dignity and uniqueness of every person, we are committed to creating a positive community where everyone is appreciated and considered for their contributions and performance.
- Community
  We are committed to cultivating partnerships within the community for the mutual benefit of the College and the southern Illinois region.
- Optimism
  We are committed to looking at things with a positive eye and an open mind, trying to see the good in things first. Everything we do is with an effort to foster a positive environment even in the toughest challenges.

History

John A. Logan College (JALC) is an open-admission, comprehensive community college designed to provide high-quality, affordable educational opportunities to its citizens. The College owes its existence to the Illinois Public Community College Act of 1965, which provided legislation to create a junior college system in the state of Illinois. John A. Logan College district citizens approved the creation of the junior college district in September 1967.

The College is named in honor of John Alexander Logan, a prominent southern Illinoisan whose political career led from county clerk to U.S. Congressman. During the Civil War, Logan volunteered as a citizen soldier and fought in eight major campaigns and is considered one of the premier volunteer generals of the Civil War. After the war, Logan returned to Congress and he helped found Memorial Day as a national holiday. In 1871, and again in 1874, Logan was elected to the U.S. Senate and was James G. Blaines's vice-presidential running mate. Throughout his political career, he was a strong advocate for public education. Logan drafted legislation that established normal schools, teachers' institutes, and instruction in the industrial and mechanical arts.

Senator Logan's speech in support of this public education legislation attracted attention throughout the country. His emphasis on planning for the future helped to refocus and rebuild the nation. The College motto, "To education must we look . . .," is derived from the following excerpt:

"To education, therefore, must we look for all the elements of national strength, and the more generally it is diffused and the higher its grade, in like proportion will our national power be increased." (Congressional Record, March 16, 1882)

About John A. Logan College

The John A. Logan College district (#530) consists of one central campus and extension centers in the towns of DuQuoin and West Frankfort. Many courses in baccalaureate transfer, career education, continuing education, and adult literacy are taught in high schools and public facilities throughout the five-county district. The College takes pride in providing high-quality, affordable education to its citizens. JALC is in very close proximity to a four-year educational institution, Southern Illinois University-Carbondale (SIU-C). The College district serves the following high school districts in Illinois: Marion, Johnston City, Herrin, Crab Orchard, Carterville, Carbondale, Tri-Co, Elverado, Murphysboro, West Frankfort, and DuQuoin. The area has a long history of manufacturing and coal mining. With the closures of many mines and manufacturing plants, the College has successfully worked with state and local agencies to provide transition services and training programs to help these workers obtain degrees and training to obtain employment.

Other facts about the college:

Year established:	1967
Current budget:	$34 million – Budgeted Operating Expenditures
Enrollment:	Approximately 2,169 (full-time equivalent)
Area population:	139,626
Employment:	672 employees, 63 full-time faculty, 114 adjunct faculty, 199 part-time staff, 211 full-time staff and 85 student workers

Board of Trustees

- William J. Kilquist, Chair
- Aaron R. Smith, Vice Chair
- Jacob "Jake" Rendleman, Secretary
- Rebecca Borgsmiller
- Dr. Brent Clark
- Mandy Little
- Dr. Glenn Poshard
- Madilyn Kerrigan, Student Trustee

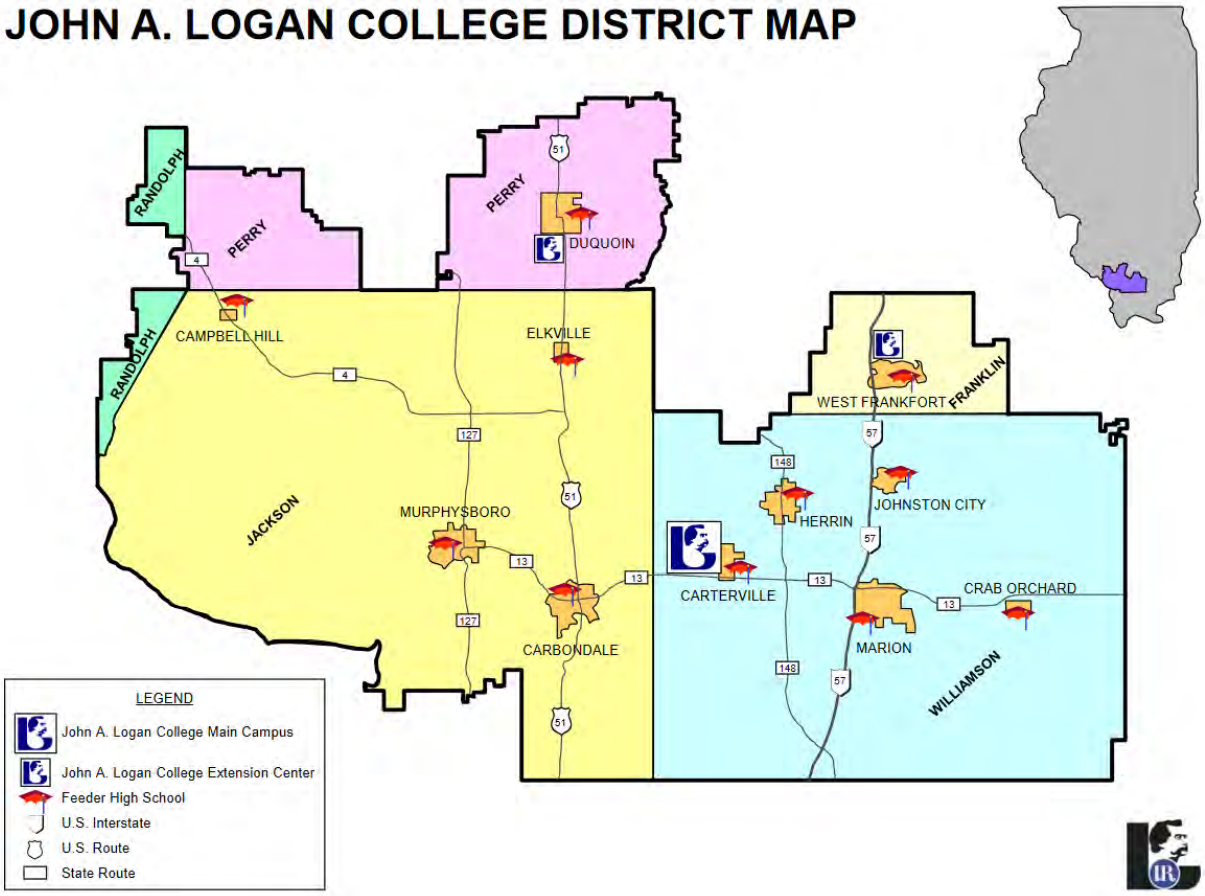
Officers of the College

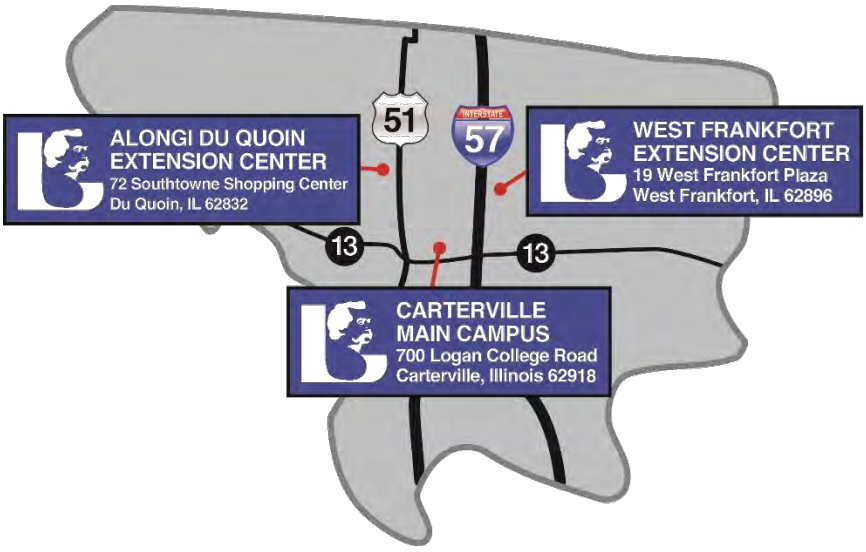
- Dr. Kirk Overstreet, President
- Dr. Stephanie Chaney-Hartford, Provost
- Dr. Susan LaPanne, Vice President for Business Services, CFO

Past Presidents

- Dr. Nathan Ivey 1968 to 1973
- Dr. Thomas E. Deem 1973 to 1974
- Dr. Robert E. Tarvin 1974 to 1982
- Dr. Harold R. O'Neil 1982 to 1989
- Dr. Ray Hancock 1989 to 2000
- Dr. Robert L. Mees 2000 to 2012
- Dr. Mike Dreith 2012 to 2015
- Dr. Ron House 2015 to 2020

JOHN A. LOGAN COLLEGE DISTRICT MAP





[Click here to find maps for campus buildings!]

Extension Centers help students pursue their education close to home. The extension centers offer a variety of general education, liberal arts, basic adult education, continuing education, and children's classes. The extension centers provide opportunities for students to prepare for the GED, learn skills to become effective employees and parents, gain knowledge in basic computer skills, address other interests of the community, and provide wholesome activities for children.

Alongi Du Quoin Extension Center: The Alongi Du Quoin Extension Center is located on U. S. 51 south in the Southtowne Shopping Center. The center is host to regular College classes, adult and continuing education classes, children's classes, and seminars for business and industry.

West Frankfort Extension Center: The West Frankfort Extension Center is located at 19 West Frankfort Plaza, West Frankfort. The center is the site for regular College courses as well as for adult and continuing education classes, children's classes, and seminars for business and industry.

Student Guidebook

John A. Logan College provides a ***Student Guidebook*** which is designed to guide students to key information and to enhance the accessibility of John A. Logan College student policies. The *Student Guidebook* provides an alphabetical guide to frequently referenced topics and student-related policies and procedures; use this resource to help you find answers to most of your questions! Please note that the *Student Guidebook* replaces the former *Rights and Responsibilities* publication.

Students are subject to all of the policies and procedures covered in this publication and all other policies adopted by the College. Additionally, some programs may have policies that are uniquely applicable to students in that program. However, the *Student Guidebook* is a starting point for students to understand and use college policies.

Getting Started at John A. Logan College

Admission & Registration

Admission to John A. Logan College

Refer to **Board Policy 8110** for criteria for full admission to the College.

Program/Course Admission

Admission to the college does not guarantee entrance into particular courses or programs of study. The college reserves the right to establish selective admission procedures and give preference to residents of Community College District 530.

Transcripts

Students should submit official copies of high school transcripts with a graduation date. All financial aid recipients are required to submit an official copy of their final high school or GED® (High School Equivalency) transcripts. Home-school transcripts must be submitted in a typed transcript format. Transcripts must include the student's name (first, middle, and last), date of birth, address, course title, units of credit, semester completed, grades, description of grading system, signature of parent or home-school administrator, and a graduation date if the transcript is complete.

In addition, students who have attended other postsecondary institutions are encouraged to have official college transcripts submitted. Students who are required to submit transcripts include:

- Students wishing to apply college credit earned at other postsecondary institutions toward JALC degrees or certificates.
- Students using federal Veteran's benefits.
- Students providing proof of course prerequisites.

Official transcripts must be sent directly from the issuing institution to the JALC Admissions and Records Office.

Baccalaureate Transfer Program

New students planning to enroll in transfer programs at John A. Logan College must meet the admission requirements of the college. Admission to transfer programs also requires new

students to meet the high school course pattern requirements specified by the Illinois Board of Higher Education:

Subjects	Years	Emphasis
English	4	Emphasizing written and oral communications and literature
Social Studies	3	Emphasizing history and government
Mathematics	3	Introductory through advanced algebra, geometry, trigonometry, or fundamentals of computer programming
Science	3	Laboratory sciences
Electives	2	Foreign language, music, art, or vocational education
Total	**15**	

Students who do not meet the requirements may satisfy a course pattern deficiency by:

- Providing SAT or ACT scores that demonstrate proficiency in the required course patterns, or
- providing acceptable CLEP scores, AP credit, placement scores, or
- successfully completing appropriate developmental courses. These courses may not be used toward graduation credit and cannot be used to fulfill general education requirements, or
- successfully completing any college-level deficiencies.

Acceptable placement scores will be determined by college policy through communication with each academic discipline. Required CLEP and AP scores are available in the Office of Admissions and Records and elsewhere in this Catalog. High school units above the required number of units in mathematics, social studies, or science may be redistributed among the other categories by applying no more than one unit to any of the following categories: mathematics, social studies, science, or an elective. Elective subjects cannot be substituted for required courses in English, mathematics, science, or social sciences.

The following transfer program applicants are exempt from the high school-subject requirements:

- students whose class rank and ACT or SAT scores are at or above the 75th percentile.
- veterans who have not been enrolled in any college course since discharge. Veterans must have an overall C average or better for college courses taken since separation.
- transfer students who have earned 26 or more hours of transferable credit with an overall C average or better.

Math and English Course Placement

The main goal of the placement process for students is to gather information about current academic skills. This process will not prohibit students from entering college, but determines

math and English competency levels. Many courses require specific math and/or English competencies to enroll. Math and English are disciplines that require thinking and reasoning skills. Enrolling in appropriate courses is essential for academic success.
The JALC placement test is available at the main campus and remote options are available upon request. Once students have been accepted, they may contact the Testing Services Office to schedule the Accuplacer Placement Test. Since the results of this test may determine future course placement, it is important to prepare to maximize scores.

Some of the JALC Health Sciences programs may require additional testing before acceptance into restricted programs.

In addition to the placement test, ACT and SAT scores, high school courses and grade point average, and GED scores may be used for placement into math and English.

Following the placement process, it is recommended that students meet with an academic advisor to discuss the results and engage in academic planning and course scheduling.

Who is required to take the college placement test?

- Students taking math or English courses for the first time.
- Students wishing to enroll in classes that require specific English and/or math competency levels.

Who may be exempt?

- Students who have successfully completed approved college-level math and English courses at another college or university.
- Students enrolling in certificate programs or classes that do not require math or English competencies.
- Students who meet the requirements through one of the other multiple measures listed above.

International Student Admission

International students will be considered for admission to JALC after the following documents are received by the designated school official at least 90 days prior to the start of the semester in which they plan to enroll:

- A completed New Student Application
- Official copies of all secondary school and college transcripts with notarized English translations.

- An official copy of the Test of English as a Foreign Language test results with a score of 79 or above on the Internet-based TOEFL, which equates to 212 on the computer-based TOEFL or 548 on the paper-based TOEFL; for more detailed information on TOEFL, visit **https://www.ets.org/toefl.html**.
- Certification of the availability of funds to meet expenses while attending JALC. The estimated cost for unmarried students during 2024-2025 is $26,816 (U.S. currency). (This rate is subject to change without notice. Cost may vary slightly based on tuition changes.)
- Home country address must be provided prior to issuance of I-20.

After acceptance and issuance of the I-20, pay the I-901 SEVIS FEE and then you can apply at a U.S. Embassy or consulate. Once the above documents have been received and reviewed, you will be notified of your admission status. International students who have completed coursework at a regionally accredited college or university in the United States or elsewhere may request that credits be evaluated toward degrees or certificates at JALC. To request an evaluation:

- Complete the Transfer Credit Evaluation Request form and submit it to the Admissions and Records Office.
- Submit official transcripts from all institutions attended within the United States.
- Submit official reports in English from a current member of the National Association of Credential Evaluation Services. JALC will utilize reports as a guideline for the evaluation of course credits and reserves the right to award appropriate credits.

When all documents are received, transcripts will be reviewed to determine if any courses apply toward the intended programs. Additional information, such as course descriptions may be requested to determine appropriate equivalency. Courses accepted for credit will be applied to the JALC transcript.

Student Identification Information

Although JALC uses student ID numbers as the primary method of identification for student records, students are asked to submit their Social Security number when completing the New Student Application. Students should enter their full name and Social Security number (SSN) exactly as it appears on their Social Security card. The SSN is retained in a secured field in the student information system. The SSN is required for:

- Setting up a MyJALC account, where students enroll, order transcripts, and view other important financial and academic information.
- Search/match. When entering a new record into the database, the SSN is one of the "keys" or data elements, in addition to the date of birth and name, utilized to perform a match on a record to guard against duplicate entries.

- Enrollment verification. The National Student Clearinghouse requires the SSN for enrollment verification purposes. JALC must comply with Illinois state auditors when reporting enrollment data. The SSN is required by the Illinois Community College Board as part of the reporting process.
- Financial Aid. The FAFSA requires that students provide the SSN before aid can be processed. Veteran and government-sponsored tuition assistance programs. The SSN is required for certification of benefits and tuition payments.
- 1098T. JALC must obtain your current identifying number or SSN to file certain returns regarding tuition-related expenses with the IRS and to furnish a statement to the student. Without the SSN, students will not receive a 1098T federal income tax document, which JALC is mandated by the IRS to issue annually. In addition to the institution being fined for filing incomplete information, individuals may be subject to a fine for failing to provide an institution with their SSN and their full name **exactly** as it appears on the social security card.

Readmission

If students are readmitted after having no enrollment for two academic years they are required to reapply. Students who attend continuously will have six years to complete degree/certificate requirements outlined in the catalog at the time of original entry or any catalog published throughout the course of continued enrollment.

Transferring Credit to John A. Logan College

College credits may be granted for courses completed at other regionally accredited institutions with a grade of 'D' or higher. Official transcripts must be submitted to the Admissions and Records Office for credit to be awarded. Credit will only be awarded for courses included in the students' listed program of study. (See **Transfer Credit, Administrative Procedure 803**)

Transfer credits may be accepted from another college or university that is accredited by any of these Federally recognized following accreditors:

- Accrediting Commission for Community and Junior Colleges (ACCJC) Western Association of Schools and Colleges
- Higher Learning Commission (HLC)
- Middle States Commission on Higher Education (MSCHE)
- New England Commission of Higher Education (NECHE)
- Southern Association of College and Schools Commission on Colleges (SACSCOC)
- Senior College and University Commission (WSCUC)

Steps to having transcripts evaluated:

1. Request official transcripts be sent to the Admissions and Records Office at JALC from each institution attended.
2. Submit a **Transcript Evaluation Form** listing all transfer institutions and stating the intended degree or certificate at JALC.
3. When the required documentation is received, an official evaluation of coursework will be completed. Evaluation results will be noted on the official academic record. Transfer courses that meet general education requirements will be accepted to meet comparable general education requirements at the college. College-level courses that are not direct equivalents will be evaluated for elective credit, if applicable towards the selected program of study. Transfer credits do not necessarily apply to all certificate or degree programs.

University/college coursework completed outside the United States must be submitted to an organization that specializes in evaluating foreign transcripts. John A. Logan College recommends use of Educational Credential Evaluators (**www.ece.org**), Educational Perspectives (**www.edperspective.org**), or another member of the National Association of Credential Evaluation Services (NACES). Translated course descriptions must accompany the evaluation report. Students are responsible for costs associated with evaluation service.

Transfer and Prior Learning Credit

John A. Logan College awards credit through a variety of avenues including transfer credit from higher educational institutions, credit by examination, and prior learning experience. For a complete list of credit options and transfer credit guidelines see **Board Policy 8242**, **Administrative Procedure 803**, Transfer Credit and **Administrative Procedure 804**, Prior Learning Credit.

Military Credit

Eligible veterans must submit their DD-214 to the Office of Admissions and Records to be evaluated for transfer credit. All veterans will receive one CPR credit, two Physical Education credits, and two Health Education credits. These credits are not applicable to all degrees and certificates.

Additional credit hours will be granted for military service according to the guidelines established by American Council on Education (ACE). Decisions concerning acceptance of military credit as equivalent to John A. Logan College courses will be determined by the Office of Admissions and Records. When necessary, a military course or prior learning experience credit(s) may also be reviewed by a faculty member responsible for instruction in the appropriate academic discipline to determine equivalency and award credit. The student must

send official military transcripts from The Community College of the Air Force or Joint Services Transcript (JST) to the Office of Admissions and Records and follow the Evaluation of Transfer Credit procedure guidelines to have courses evaluated.

State Seal of Biliteracy

The State Seal of Biliteracy posted to a student's high school transcript will be evaluated as equivalent to one year of foreign language coursework at the college level. Credit granted will be based on foreign language course equivalencies. The student must formally request credit be awarded and applied to the college transcript within three academic years of high school graduation.

Credit by Examination

College Level Examination Program (CLEP)

The College Level Examination Program (CLEP) will be awarded based upon the American Council on Education's (ACE) CLEP credit granting recommendations. These exams allow students who have acquired knowledge outside the traditional post-secondary classroom setting to gain recognition for mastering college-level material by receiving introductory course credit. Students will not be eligible to receive CLEP credit if the student has received a grade (including a W or Audit) or has enrolled in college-level work in any discipline included in the CLEP exam. The required scores and credit awarded for CLEP can be found in the College Catalog. Contact the Office of Admissions and Records to verify receipt of scores and posting of credit. CLEP credit will not exceed 15 hours.

John A. Logan College does not offer CLEP exams. To schedule a CLEP exam, the college recommends contacting Southern Illinois University Testing Services.

CLEP GENERAL EXAMINATIONS		
Exam	**Paper/Computer Score**	**Credit Awarded (semester hours)**
Natural Science	50	Core Curriculum Science (3 hours)
Social Sciences and History	50	Core Curriculum Social Science (3 hours)
Humanities	50	Core Curriculum Humanities (3 hours)
College Composition	50	English 101 (3 hours)
College Mathematics	50	MAT 113 (3 hours)
CLEP SUBJECT EXAMINATIONS		
Exam	**Minimum Score**	**JALC Equivalent**
Composition and Literature		
American Literature	50	LIT 280 (3 hours)
English Literature	50	LIT 280 (3 hours)

History and Social Sciences		
American Government	50	PSC 131 (3 hours)
History of US I: Colonization to 1877	50	HIS 201 (3 hours)
History of US II: 1865 to present	50	HIS 202 (3 hours)
Human Growth and Development	50	EDC 202 (3 hours)
Principles of Macroeconomics	50	ECO 201 (3 hours)
Principles of Microeconomics	50	ECO 202 (3 hours)
Introductory Psychology	50	PSY 132 (3 hours)
Introductory Sociology	50	SOC 133 (3 hours)
Western Civilization I	50	HIS 101 (3 hours)
Western Civilization II	50	HIS 102 (3 hours)
Science and Mathematics		
Biology	50	BIO 101 (4 hours)
Calculus	50	MAT 131 (5 hours)
Chemistry	50	CHM 151 (5 hours)
College Algebra	50	MAT 108 (3 hours)
Pre-Calculus	50	MAT 111 (5 hours)
Business		
Financial Accounting	50	ACC 201 (3 hours)
Information Systems	50	OFT 207 (3 hours)
Business Law	50	BUS 222 (3 hours)
Principles of Management	50	MGT 112 (3 hours)
Principles of Marketing	50	MKT 113 (3 hours)
Foreign Languages		
German – College Level 1	50	GER 101 & 102 (8 hours)
German – College Level 2	60	GER 201 & GER 202 (8 hours)
Spanish – College Level 1	50	SPN 101 & 102 (8 hours)
Spanish – College Level 2	63	SPN 201 & SPN 202 (8 hours)

Advanced Placement Credit

Advanced Placement (AP) credit will be awarded when a student earns a minimum score of 3, 4, or 5 on an advanced placement examination and sends official scores from the College Board to the Office of Admissions and Records. Please view the Advanced Placement (AP) credit table in the College Catalog for a list of AP exams and required scores. Contact the Office of Admissions and Records to verify receipt of scores and posting of credit. Credit for Advanced Placement (AP) will not exceed 15 hours. The following exams will be accepted for credit:

AP Exam	Minimum Score	Credit Granted	Equivalent Course
English			
English Language and Composition	3	3	ENG 101
English Language and Composition	5	6	ENG 101 & ENG 102

English Literature and Composition	3	3	LIT 280
Fine Arts and Humanities			
Art History	3	3	ART 220
World Languages and Cultures			
Chinese Language and Culture	3	3	Humanities Elective
French Language and Culture	3	3	Humanities Elective
German Language and Culture	3	3	Humanities Elective
Italian Language and Culture	3	3	Humanities Elective
Japanese Language and Culture	3	3	Humanities Elective
Latin	3	3	Humanities Elective
Spanish Language and Culture	3	4	SPN 101
Spanish Language and Culture	5	8	SPN 101 & SPN 102
Spanish Literature	3	3	Humanities Elective
Social Science			
European History	3	3	HIS 101
European History	5	6	HIS 101 & HIS 102
Government & Politics: Comparative	3	3	PSC 289
Government & Politics: United States	3	3	PSC 131
Human Geography	3	3	GEO 112
Macroeconomics	3	3	ECO 201
Microeconomics	3	3	ECO 202
Psychology	3	3	PSY 132
Unites States History	3	3	HIS 201
United States History	5	6	HIS 201 & HIS 202
World History	3	3	HIS 103
World History	5	6	HIS 103 & HIS 104
Mathematics and Computer Science			
Precalculus	3	5	MAT 111
Calculus AB	3	5	MAT 131
Calculus BC	3	10	MAT 131 & MAT 201
Computer Science A	3	4	CPS 176
Computer Science A	4	4	CPS 206
Computer Science Principles	3	4	CPS 206
Computer Science Principles	5	8	CPS 206 & CPS 215
Statistics	3	3	MAT 120
Statistics	5	3	MAT 282
Science			
Biology	3	4	BIO 101
Chemistry	3	5	CHM 151
Chemistry	5	10	CHM 151 & CHM 152
Environmental Science	3	3	PHS 111
Physics 1: Algebra-Based	3	5	PHY 155
Physics 2: Algebra-Based	3	5	PHY 156
Physics C: Mechanics	3	5	PHY 205
Physics C: Electricity and Magnetism	3	5	PHY 206
Major Courses			
African American Studies	3	3	HIS 223
Music Theory	3	3	MUS 121
Studio Art: 2-D Design	3	3	ART 101
Studio Art: 3-D Design	3	3	ART 102

Studio Art: Drawing	3	3	ART 180

International Baccalaureate (IB)

After completion of the International Baccalaureate (IB) Diploma Program, examinations may be accepted for course credit. Students who have completed the Diploma Program and taken the subject-specific examinations may submit their scores from the International Baccalaureate organization to the Office of Admissions and Records for evaluation by appropriate departments. For scores of 4 or higher, credits will be accepted and evaluated to determine applicability toward degree requirements as elective, general education, or major credit.

Proficiency Examinations

Students who have obtained prior knowledge and experiences outside of the formal classroom setting and are seeking a degree or certificate at the College may be eligible to apply for proficiency by examination. A student wishing to test for proficiency credit should initiate the request with the Registrar and complete the Proficiency Examination Request and Authorization Form.
After the Registrar has confirmed the student meets requirements for examination, the student should meet with an Academic Affairs representative (e.g., the subject Lead Instructor, Department Chair or Dean) to furnish evidence they have met the necessary background, knowledge, and/or experience to sit for the examination.

Once the Academic Affairs representative has evaluated the prior knowledge and/or experiences, the student must pay the appropriate fee at the Bursar's Office. After paying the fee, the student should return the form to the Academic Affairs representative. The student will be notified when to take the examination(s) in the location and modality (e.g., in-person or online) determined by the Academic Affairs representative. If a student passes the examination with a "C" or higher, the credit will be awarded by the Registrar.

Prior Learning Assessment (PLA) Credit

Students who have obtained prior work experience (e.g.; related employment, training, certificates, or licensure) and are seeking a degree or certificate may be eligible to receive prior learning credit for a course if the experience is reflective of the learning outcomes, knowledge and skills reflected on the approved syllabus. A student requesting prior learning assessment credit should initiate the request with the Registrar and complete the Prior Learning Assessment (PLA) Request and Authorization form.
After the Registrar confirms the student meets requirements for prior learning assessment credit, the student should meet with the Lead Instructor or Department Chair to submit

evidence of the learning experience for evaluation. At the discretion of the Lead Instructor or Department Chair, up to 15 credit hours of program specific or major courses may be awarded from PLA. If pursuing a transfer degree, credit for prior learning will only be granted for the purpose of satisfying graduation requirements and may not transfer. If the Lead Instructor or Department Chair defines a learning experience as satisfying a major course, approval must be obtained from the Assistant Provost of Academic Affairs.

Re-Entry Nursing Students (Associate Degree or Practical Certificate)

Nursing students eligible to return to the nursing program must request a meeting with the director of nursing to develop a Success/ Re-entry Contract per the Nursing Handbook. Program prerequisites will be followed per the program guide (ADN or PN). Nursing students may return as space permits. Re-entry students may not bump regular full- and part-time students from class slots. These students do not have any scheduled graduation date since there is no guarantee as to the sequence in which slots in classes will be available.

Nursing Transfer Students

Transfers will be accepted into the nursing programs on a case-by-case basis as follows: students wishing to transfer into the program must request, in writing, to the director of nursing; students must provide official transcripts from all previous schools from which they wish to transfer credits; students must have the director of nursing from the previous nursing program submit a letter of recommendation directly to the director of nursing at John A. Logan College; and students must meet with the director of nursing to have transcripts reviewed, as well as program curriculum and requirements explained. The director will consult with faculty, review all materials, make a decision related to the request for transfer into the program, and notify students in writing of the decision. The following considerations will also determine if students are accepted for transfer: students must be willing to take a placement exam at John A. Logan College if requested to do so; students must be willing to take courses "as available" with no specific projected completion date; students must meet all of the guidelines outlined in the Nursing Handbook including health requirements and other meeting documents; transfer students are accepted on a first-come, first-served basis.

Release of Student Information and Access to Student Records

John A. Logan College maintains individual records and information about students to provide educational, vocational, and personal services to the student.

Use this link provided to print **Request to Prevent Disclosures of Directory Information form**. The completed form can be submitted to Admissions and Records Office, Room C201, 700 Logan College Road, Carterville, IL 62918.

Register for Classes

All students are encouraged to meet with an academic advisor when they enroll in classes at JALC to ensure applicability toward program requirements and achievement of educational goals. New students are restricted from self-advising. After applying to the College, students are assigned an advisor based on their selected program of study.

Before meeting with an Academic Advisor, students must:

1. **Apply** for Admissions to John A. Logan College and receive a student ID#.
2. Fill out the **Application for Change of Residency** to receive in-district tuition
3. Send final high school or GED transcripts to **admissions@jalc.edu** or drop off in Admissions and Records, Office C201.
4. Send official college transcripts to John A. Logan College and fill out the **Transcript Evaluation Request** form.
5. Take the Accuplacer **placement test** if students wish to enroll in college level English and Math courses and no prior courses have been successfully completed.
6. Accept terms of the Registration Agreement and Student Information Update by clicking on Registration on your **MyJALC** portal for the correct term in which you plan to enroll.

Once steps 1-6 have been completed, students can meet with an Academic Advisor to enroll in classes. Students may contact Academic Advisement at 618-985-2828 Ext. 8070 or email **registration@jalc.edu** to schedule an appointment with an Advisor.
After successful completion of your first semester, students can register for classes on myJALC using the Registration portlet. Course Registration Instructions can be found on **MyJALC**. Meeting with an Advisor beforehand is highly recommended to maintain degree requirements for graduation and financial aid eligibility.

Probation, Suspension, and Successful Course Completion

Academic Probation and Satisfactory Academic Progress Requirements
Students are considered to be meeting the academic policy for satisfactory academic progress if the following conditions are met:

1. Maintain regular class attendance as determined by the instructor.
2. Maintain a cumulative GPA of at least 2.0. Students who fail to maintain the required cumulative GPA will be placed on probation for one semester. Probation is a warning status. While on probation, students are eligible for financial aid scholarships, outside awards, and/or veteran benefits. If, after the probation semester, students fail to return to satisfactory academic standing or qualify to remain on probation, students will be placed on academic suspension. Students may remain on probation if the semester GPA was at least 2.0.

Academic Suspension

Failure to meet any of the aforementioned procedures will result in academic suspension subject to appeal to the Assistant Provost for Student Affairs. Academic suspension is a state of involuntary separation of students from the institution for a period of one calendar year.

Academic requirements differ from Financial Aid requirements for Satisfactory Academic Progress. Academic status will be noted on the student's account; whereas, the Financial Aid status will be noted on the Financial Aid system. Any student suspended from the College for academic or behavioral reasons is automatically ineligible for financial aid.

Appeals Involving the Placement of Students on Academic Suspension

All students placed on academic suspension will receive an email from Admissions and Records to their student Volmail. Students placed on academic suspension will have a hold placed on their student account that restricts registration in classes in the subsequent semester.

Decisions involving the placement of students on academic suspension, based on the requirements of this section, may be appealed to the Assistant Provost for Student Affairs. Students will be contacted by the Office of the Assistant Provost to set up a meeting regarding their academic suspension status.

Paying for College

A degree or certificate from John A. Logan College is a great value; you can complete your academic work close to home and at a fraction of the cost of a four-year university. We strive to make it easy to place your goals within reach. As a result, there are many ways to pay for college, including:

Financial Aid:

Students will need to complete their FAFSA online at studentaid.gov to determine eligibility

for PELL, MAP and SEOG grants. Once all requirements have been met to receive aid, the billing statement will deduct any awarded student financial aid. All questions concerning the application and financial aid disbursements should be directed to the Financial Aid Office in C210.

Scholarships:
Many scholarships are available through the John A. Logan College Foundation, funded by generous benefactors of our students.

Bill Payment:
Students can pay their Bursar bill online through the student portal at MyJALC, over the phone at Ext. 8201, or in-person at the Bursar's Office located at C213.

Payment Plan Option:
Students can enroll in the NelNet Payment Plan through the myJALC portal under the "Billing/Finances tab." Automatic payment will be deducted from a checking or savings account (ACH) or from a credit or debit card on the 20th of each month. A non-refundable enrollment fee will be charged per agreement upon sign up. Payment plan instructions and enrollment dates can be found on the College website.

Student Loans:
Students who do not otherwise qualify for grants or financial aid may be eligible for private student loans. The College does not process or assist with these private student loans, but proceeds from these loans may be used to help pay for college.

Tuition & Fees

John A. Logan College is one of the best college values in the state, maintaining low tuition and high standards for teaching and student customer service. The most up-to-date tuition and fee amounts can be found at **https://www.jalc.edu/admissions/tuition-and-fees/**.

The actual out-of-pocket cost of college can vary based on your living expenses, choice of program, and eligibility for financial aid; the College offers a Net Price Calculator to help you plan your budget and determine your need for financial aid. Tuition waivers shall be given following **Board Policy 7370**.

Tuition and Fees	
Tuition – In-District	$145/credit hour

Tuition – Online/Hybrid Courses	$160/credit hour
Tuition – Out-of-District	$188/credit hour
Tuition – Out-of-State	$242/credit hour
Tuition – International	$242/credit hour
Technology Fee	$5/credit hour
Return Check Fee	$15
Transcript Fee	$6 (online); $8 (in-person)
Student Activity Fee*	$65 / $40
Test Proctoring Fee†	$25
Specific Course Fees	**Varies**
Allied Health Restricted Program Costs	**Varies**

*$65 for students enrolled in 6 or more credit hours for fall or spring terms; $40 for students enrolled in 3 or more credit hours for summer terms
†Applies to tests proctored at the request of other institutions

Dropped for Non-Payment

Students who fail to pay tuition and fees by the semester due date will be dropped from all classes for non-payment. All students receiving financial aid, scholarship, student loan, or enrolled in the NelNet payment plan will not be dropped. If dropped for non-payment, students can request to re-enroll with Academic Advisement once payment arrangements have been made. If registration occurs after the payment due date, payment is due upon registering for classes.

Refund Policy

Students withdrawing from credit-bearing courses during the following periods will be given 100% refunds:

- First 14 calendar days of the Fall and Spring Semesters excluding spring break;
- First 7 calendar days of Block and Summer Semesters.

Upon notification that an enrolled student has died during a semester, the student will be removed from all courses, and all charges pertaining to the semester will be refunded to his/her student account. If the refunding of charges generates a credit, such will be remitted to the student's estate.
Non-credit-bearing course withdrawal refunds are governed by Administrative Procedure 732, Refunds for Non-Credit Courses.

Please refer to **Board Policy 7320** for more information about the refund policy.

Financial Responsibility

By registering for classes at John A. Logan College, students accept full financial responsibility for payment of tuition and fees, as well as associated costs related to registration and/or JALC services. Should students default on their account, JALC may use any and all means necessary to collect this debt in accordance with state and federal laws.

Debt Collection

The Business Office should make all efforts possible to collect debts owed to the College by any person.

Definition of In-District Residency for Tuition and Credit Hour Claim Purposes

An in-district student at John A. Logan College (for tuition purposes) is defined as a student who can establish proof of residency within the legal boundaries of Community College District No. 530. Residency documentation must be received by the first day of the semester to receive in-district tuition rates. To determine if you may meet requirements for in-district tuition, please see our **District Map**. To see a list of acceptable forms of documentation for in-district residency, please see **Residency Requirements** on the College website. Residency documentation should be emailed to **admissions@jalc.edu** or submitted through the Application for Change of Residency form.

Special Considerations for In-District Residency

- Out-of-District students who are employed at least 35 hours per week by an employer or organization within District #530 may qualify for in-district tuition rates. Students must provide the required employment verification letter each semester.
- Out-of-District students who attend JALC under the terms of a Career/Joint Agreement between John A. Logan College and another community college district will be charged in-district tuition. Students must provide written agreement from the home community college district and submit to Pixie Vaughn at **pixievaughn@jalc.edu** or mail to 700 Logan College Dr. Carterville, IL 62918
- Students who are or were a Veteran in the military, naval, or air service will receive in-district tuition regardless of residing outside of the district. Veterans' status will be confirmed with the Coordinator or Veteran's Services & Financial Aid prior to awarding in-district tuition.

Financial Aid

General Information

The objective of John A. Logan College in maintaining a student financial assistance program is to assist in the removal of barriers to postsecondary education. To accomplish this goal, the College endeavors to provide financial assistance designed to complement the financial resources of students rather than financing their education in full. Financial assistance at John A. Logan College is available in the form of grants, part-time employment, and scholarships. Information concerning assistance may be obtained from the John A. Logan College Student Financial Aid Office.

Students seeking to become eligible for financial assistance programs must be aware of, and comply with, the following:

1. Be enrolled or accepted at John A. Logan College as a degree- or certificate-seeking student and maintain "satisfactory academic progress" as defined by John A. Logan College.
2. Must have a high school diploma (or equivalent) with a graduation date or GED certificate on file with John A. Logan College to be eligible for financial assistance.
3. Complete a Free Application for Federal Student Aid (FAFSA) at studentaid.gov. In the current award year, JALC will receive FAFSA data within 3 to 5 business days. Upon receipt of the FAFSA data, a financial aid offer will be emailed to the student listing estimated awards and any required documents.
4. Have not earned a bachelor's degree.
5. Complete the FAFSA to apply for a Monetary Award Program (MAP) Grant, from the Illinois Student Assistance Commission (ISAC), and a Federal Pell Grant. The FAFSA is also required for private loan consideration.
6. Students interested in applying for the Federal Work Study Program or part-time employment at John A. Logan College will need to complete the Student Employment Request Form through the Career Services Office. All applicants must complete a FAFSA.
7. Students interested in scholarships administered by John A. Logan College may submit an online scholarship application through the Foundation Office.

Financial aid will be awarded for the total number of hours required for a student's degree/program. Financial aid does not apply to students who are non-degree seeking at John A. Logan College. Students electing to take courses not required for their program will be responsible for covering any cost associated with the courses.

Workforce development courses, as well as adult and continuing education courses are not eligible for financial aid. The nursing assistant program (NAD 101), and short-term certificate programs are also not covered by financial aid.

Financial Aid Satisfactory Academic Progress

John A. Logan College will follow The Code of Federal Regulations – Title 34: Education, Part 668 – Student Assistance General Provisions Subpart C – Student Eligibility to develop financial aid standards of progress for students receiving Title IV funds. The College shall maintain reasonable satisfactory academic progress procedures for determining whether an otherwise eligible student is making satisfactory academic progress in his/her educational program and may receive assistance under the Title IV HEA programs. Students who have at least a 2.0 cumulative grade point average, complete at least 67% of attempted coursework, and have not attempted more than 150% of credits required for their program meet all aspects of the Financial Aid Satisfactory Academic Progress policy. The procedures for standards of progress are published in Administrative Procedure 833, Satisfactory Academic Progress and located under Policies on the John A. Logan College Financial Aid webpage.

Student Loans

Student loans are educational funds that must be repaid with interest. Student loans should be considered after all other forms of financial assistance have been exhausted. John A. Logan College is no longer participating in the Federal Direct Student Loan program. Students in need of loan funds should apply for a Private Alternative Student Loan. Contact your local bank, credit union, or search the web for "Private Alternative Loan Providers" to find a lender. All students who apply for a private, alternative loan must first submit a FAFSA using John A. Logan's federal school code 008076.

Return of Funds

Students who receive Federal Title IV Funds (Pell Grant, SEOG Grant) and stop attending classes, withdraw from classes, receive all failing grades, or a combination of withdrawals and failing grades are subject to a Return of Title IV Funds. This may result in the student owing a refund to the College, to the Federal Student Aid Program, or both. Please refer to Return of Title IV Funds in the Financial Aid Handbook.

Please refer to Return of Title IV Funds policy **here**.

Veteran Benefits Policies

Students receiving veteran benefits must follow the academic policy for satisfactory academic progress.

Beginning August 1, 2019, and despite any policy to the contrary, John A. Logan College will not take any of the four following actions toward any student using U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) (GI Bill® is a registered trademark of the U.S. Department

of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at https://www.benefits.va.gov/gibill) or Vocational Rehabilitation and Employment (Ch. 31) benefits, while their payment from the United States Department of Veterans Affairs is pending to the educational institution:

- Prevent their enrollment;
- Assess a late penalty fee to;
- Require they secure alternative or additional funding;
- Deny their access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students may be required to:

- Produce the VA's Certificate of Eligibility by the first day of class;
- Provide a written request to be certified;
- Provide additional information needed to properly certify the enrollment as described in other institutional policies (see our VA School Certifying Official for all requirements).

Withdrawals Prior to 60% Completion Point

Students that stop attending before the 60% point in a semester are reported by instructors to the Admissions and Records Office, along with their last dates of attendance. The last date of attendance is also reported by the instructors if the student receives a failing grade and stopped attending prior to the end of the semester. The earlier date will be used to determine Return of Funds calculations.

If students withdraw prior to the 60% completion point, the Return to Title IV Funds calculation will determine the sum that must be returned to the College. Students will be responsible for this amount and must repay funds to the institution before registering for classes.

Before withdrawing from the college, the student who has received financial aid should notify the Student Financial Aid office of his or her decision. The Financial Aid Office will perform the Return of Funds calculation and send notification to the student of funds refunded back to the Department of Education by the college and, in turn, owed by the student to his or her account with John A. Logan College. A notification is sent within 30 days of the school's determination of the student's withdrawal. The institution must return these funds within 45 days.

Financial Aid Procedure for Withdrawal or Non-Attendance In All Courses

A student who withdraws from (or) stops attending ALL COURSES before the 60% point in a semester WILL have their Financial Aid Award adjusted. Students earn financial aid by attendance. Once a student has attended beyond the 60% point of a semester, the Department of Education allows the student to keep ALL of the awarded aid. If the student stops attending or withdraws from ALL courses before the 60% point the Financial Aid Office is REQUIRED to calculate the aid earned by the student. That will change the financial aid award. A percentage

of the aid that was awarded or could have been awarded after the non-attendance or withdrawal date must be sent back to the Department of Education. The student will then owe the college a percentage of the aid that was disbursed or could have been disbursed to the student because the student didn't earn all of the aid awarded. The amount owed will depend on the last date of attendance or the official withdrawal date of the student.

Post Withdrawal Disbursements

In some cases, a student may be eligible to receive a "post-withdrawal" disbursement after the student completely withdraws from the school. This is possible when the amount of aid awarded and processed is less than the amount of aid disbursed. In such cases, the Student Financial Aid Office will notify the student within 30 calendar days of the "post-withdrawal" disbursement by mail. The student must respond within 14 days from the date the school sends notification to deny a post-withdrawal disbursement.

Financial Assistance Procedures

1. The Pell Grant results of the Free Application for Federal Student Aid (FAFSA) form will be released to the Financial Aid Office directly from the U. S. Department of Education as long as students list John A. Logan College as one of their college choices on the FAFSA application. The information will be used to assist students seeking financial aid through the John A. Logan College Foundation Scholarship program, the Illinois State Monetary Award program, the Pell Grant program, Federal Supplemental Educational Opportunity Grant (FSEOG), and the student employment program.

2. John A. Logan College Foundation scholarships, Pell Grants, FSEOG, and student employment payments administered by the College will be made available to the student by depositing payments into the student's account of choice.

3. Tuition awards authorized by the Illinois State Monetary Award program, the National Guard Grant program, the Illinois Veterans' Grant program, and other agencies are credited to the recipient's account. Any refund resulting from such awards will be made available in the student's account of choice. Refund dates are listed on the Financial Aid webpage under Important Financial Aid Dates.

4. Normally, any financial aid award is contingent on the actual receipt of funds or authorization appropriated to John A. Logan College by federal or state agencies.

5. Current or prospective students receiving financial assistance through John A. Logan College have the right to inquire about the following topics:

- names of accrediting/licensing organizations
- academic programs, facilities, and faculty
- cost of attendance and Refund Policy 7320

- financial assistance availability
- financial assistance application procedures
- financial assistance recipient selection criteria
- financial need determination
- amount of financial need met
- payment of financial assistance
- student-worker job responsibilities
- loan responsibilities
- academic progress determination
- facilities and services for the disabled

6. Current or prospective students receiving financial assistance through John A. Logan College have the following responsibilities:

- be familiar with program requirements
- accurately complete and submit financial assistance applications
- meet all financial assistance application deadlines
- provide requested financial assistance application documentation
- read and understand all forms requiring student signatures
- comply with loan promissory note provisions
- notify the College of changes in name, address, or attendance status
- perform work agreed upon in student worker assignments
- understand the College's Refund Policy 7320

Special Circumstances and Financial Aid

Students apply for financial aid by completing the FAFSA using income from two years prior. In some cases, income from two years ago does not accurately reflect the current financial situation of the family. Independent students, or dependent students whose parents were affected by any of the following situations, are encouraged to contact the Financial Aid Office to determine if a Special Circumstance is warranted.

Those situations include:

- Illness which affected the family's income
- Change in employment status, income, or assets
- Change in housing status (e.g., homelessness)
- Medical, dental or nursing home expenses not covered by insurance
- Student or Parents' separation or divorce
- The death of a family member which has negatively affected the household income.
- Child or dependent care expenses
- Tuition expenses at an elementary or secondary school
- Other changes or adjustments that impact the student's costs or ability to pay for college

A financial aid counselor will meet with you privately to discuss your situation and determine if you qualify for a Special Circumstance. Students who qualify for a Special Circumstance will be asked to provide documentation, so their financial aid eligibility can be determined based on the current household income.

Scholarship Opportunities

Students only need to complete the online application once to be considered for hundreds of scholarship opportunities with the JALC Foundation. Click on the Scholarships tab on the JALC website. Select one of the two banners at the top of the page. "Current JALC Students" or "High School, Dual Credit, or Prospective Students"

"Current students using the site for the first time will need to set their password then follow to steps to access AwardSpring. If you have already set your password, then just sign in to access AwardSpring. Your student dashboard is now open. Click on "Apply" to complete the general application for scholarships.

High School, Dual Credit, or Prospective students will need to click on the register tab, create your account using your personal email, and check the box to accept the terms and privacy policy. AwardSpring will open to the student's dashboard. Once there click on "Apply" to complete the general application for scholarships.

Students receiving a scholarship will receive an email to their volmail account.

You can find a complete list of available scholarships on the Foundation page.

If you need assistance completing the application, or have questions about scholarships, please contact the Foundation office at 985-3741 ext. 8355 or stop by our office, B33 and we will be more than happy to help you.

New Student Quick Information Guide

Login Information:
JALC has a single sign on system, so you just have one login for all your campus accounts. Once you have been admitted to the College, temporary login information is sent to the email address listed on your college application. Once you register for classes, your Volmail email address, Username/Student ID & Password are sent to that same personal email. This will get you into all the services listed below within 24 hours.
Example of email received:

Your Volmail Username is: 2981234
Your Volmail Email is: **jlogan1234@volmail.jalc.edu** Your Volmail Password is:T12x58!?

Change Your Password: (http://pw.jalc.edu/)
You can use the green button (Student Password Reset: PW Known), if you know your current password, or the red button (Student Password Reset: PW Forgotten) if you don't. This will only work once you've registered for classes.

If you are still having problems logging into your JALC accounts, you may need to contact the IT Helpdesk at 618-985-2828 Ext. 8388 or email them at helpdesk@jalc.edu

MyJALC: (my.jalc.edu)
Enter your Student ID Number in the box near the top right hand corner. Then click "Continue."
In MyJALC, you can:

- View your schedule: Students tab> My Course Schedule.
- Register, add, or drop classes: Students tab > Registration.
- View your bursar bill: Students tab> Student Accounts.
- See your grades: Students tab> My Grade Report.

Volmail: (volmail.jalc.edu)
In order to be successful at the College you must check your Volmail, as this is the way your instructors will contact you.

Desire2Learn:
Many courses require you to use Desire2Learn (D2L), the college's distance learning platform. If you're registered for any online or hybrid classes, they will appear in D2L at the beginning of each semester (most courses will not appear in D2L until the first day of classes).
New to D2L? Consider taking the D2L Orientation to learn how to use the most common tools in D2L.

If you are having a problem accessing D2L (but can access MyJALC or Volmail) or have other questions, you can find help here:

- Student help links on the right-hand side of the landing page in D2L.
- Online Learning page on the College website
- Or Contact D2L Support at d2lsupport @j alc.edu or call 618-985-2828, ext. 8278

If you are not seeing your classes, check these things first:

- Check your schedule in MyJALC to make sure you are still registered.
- Check the start date for the class. Do not expect to see a class before the start date listed in MyJALC or on your schedule.

- Check the section number for the class. Sections with a "V" in them (V1, V2 ... V8, V9) should be available by 8:00 AM the first day of classes. All other section numbers may not be available until after the first class meeting.

Install Microsoft Office for Free:
John A. Logan Students can install Microsoft Office on up to 5 computers (Windows or Mac) for FREE! You can also install Microsoft Office on your phone or tablet for free from your device's app store.

Print Documents for Free:
John A Logan students can print for free, from any computer, tablet, or smart phone. Submit Print Requests anytime, day or night. Pick up print jobs in Room C115, Monday-Friday. You can also print for free to the library copier, from any library computer.

Wireless Network:
Connect to "Loganlive! Student Wireless" using your Username/Student ID and Password. Make sure "Connect automatically" is checked.

Achieving Your Goals at John A. Logan College

Graduation

General Program and Residency Requirements for Graduation

Minimum enrollment residency requirements as outlined in **Board Policy 8244** must be satisfied for graduation from John A. Logan College.

Awarding of Degrees

JALC awards degrees at the end of each academic term (fall, spring, and summer). Graduation ceremonies are held once a year at the end of the spring semester. Students meeting graduation requirements during the fall, spring, or summer semesters who plan to participate in graduation ceremonies must apply by the posted graduation deadline. Students who meet graduation requirements but who do not wish to participate in graduation ceremonies must still apply for graduation. Graduation application forms are available online. The cost of graduation regalia may be purchased through the Campus Bookstore.

In addition to completing the graduate survey and applying for graduation, students are responsible for determining whether they have met all graduation requirements and have no outstanding financial obligations to the College. Students should meet regularly with their academic advisor to ensure that progress is being made toward their degree objectives. The advising of individual students as to their degree progress is a service provided and does not relieve students of their responsibility to make certain they are meeting all degree requirements.

Graduating students who have outstanding financial obligations or delinquent College accounts will not receive diplomas until accounts are paid in full.

Transfer Education

To begin planning for transferring to the next stage of your educational journey, please visit **the Transfer Planning website**. You will find important definitions and resources and lists of transfer pathways by program and institution.

The College offers associate degree programs in the arts (AA), science (AS), fine arts (AFA), and engineering science (AES). Students can complete the freshman and sophomore requirements for a specific major by following the appropriate curriculum guide.

Certain Associate in Applied Science (AAS) degrees may transfer to a four-year institution. Articulation Agreements, Two plus Two Agreements, and Capstone Options offer students the opportunity for the AAS degree to a four-year bachelor's degree program.

Each degree program has specific requirements articulated in the curriculum guide. Students should carefully select courses to ensure degree progress. The Academic Advisement Office and faculty advisors are available to help guide students, however, it is each student's responsibility to meet all degree requirements for graduation. Additionally, students are responsible for knowing all information provided in the College Catalog concerning regulations and requirements of the College and the specific program of study. Students planning to pursue a bachelor's degree should be familiar with any special requirements for the selected transfer institution. For instance, certain universities and even programs may require a grade of "C" or higher for certain courses to accept them for credit.

Students desiring to pursue pre-medicine, pre-law, pre-veterinary, pre-chiropractic, or other pre-professions career paths should consult with their academic advisor to select the appropriate courses for the field of study and anticipated transfer institution. The student's preference of senior institution may impact the courses and/or grades required for transfer coursework and admission to the professional program of study.

Illinois Articulation Initiative (IAI)

John A. Logan College is a participant in the Illinois Articulation Initiative (IAI), a statewide agreement that allows transfer of the completed Illinois General Education Core Curriculum (GECC) between participating institutions in Illinois. Completion of the transferable General Education Core Curriculum (GECC) at any participating college or university in Illinois assures transferring students that lower division general education requirements for an associate or bachelor's degree have been satisfied. This agreement is in effect for students who entered an associate- or baccalaureate-degree-granting institution in Illinois as first-time freshmen in the summer of 1998 (and thereafter).

The minimum requirements established for the Illinois Transferable General Education Core Curriculum (GECC) are as follows:

- Communications. 3 courses (9 semester credits). The three courses should include a two-course (6 semester credits) sequence in writing and one course (3 semester credits) in oral communications. A grade of "C" or better is required in the two-course writing sequence.
- Mathematics. 1 course (3 to 5 semester credits).
- Physical and Life Sciences. 2 courses (7 or 8 semester credits). One course must be from the Physical Sciences, one must be from the Life Sciences, and one of these must be a laboratory course.
- Humanities and Fine Arts. 3 courses (9 semester credits). One course must be selected from the Humanities, one from the Fine Arts, and one from either the Humanities or Fine Arts.
- Social and Behavioral Sciences. 3 courses (9 semester credits). Courses must be selected from at least two different disciplines.

Credit Hour Requirements for Associate in Arts Degree

Group	AA Credit Hours
Communications	**9**
Humanities and Fine Arts	**9**
Mathematics	**3**
Social and Behavioral Sciences	**9**
Physical and Life Sciences	**7-8**
Major and General Electives	**25+**
Minimum Credits	**63**

The Associate in Arts General Degree Requirements Worksheet can be viewed at the **Program Guide website under Associate in Arts**.

See your specific curriculum guide for courses recommended for your area of study.

Credit Hour Requirements for Associate in Science Degree

Group	AS Credit Hours
Communications	**9**
Humanities and Fine Arts	**6**
Mathematics	**3**
Social Sciences	**6**
Physical and Life Sciences	**7-8**
Additional Math and Physical or Life Science Course	**6**
Major and General Electives	25+
Minimum Credits	**63**

The Associate in Science General Degree Requirements Worksheet can be viewed at the **Program Guide website under Associate in Science**.

See your specific curriculum guide for courses recommended for your area of study.

This revised Associate in Science degree model is effective with the fall 2016 term for those who have officially graduated from high school and who has not yet taken a college-level course before the start of the fall 2016 semester. This revised model does not change the credits needed to fulfill the IAI GECC package. Credit hours taken from the Humanities and Fine Arts area and the Social Behavioral Sciences are moved to support the "Additional A.S. degree requirement" posting of a course in Mathematics and a course in Physical or Life Science that directly supports your intended major after transfer to a four-year IAI participating institution in Illinois. To fulfill the IAI GECC package in this revised model, you will need to complete an

additional three-credit course approved as an IAI Humanities or Fine Arts course and a three-credit course approved as an IAI Social and Behavioral Sciences course. These courses most likely will be completed after transfer but "may" be included in your JALC curriculum Guide document under the Major and General Electives section. If these two courses are completed after transfer, you should send an official transcript back to John A. Logan College and request a review of the IAI GECC requirements and if appropriate, request a posting on your official transcript that the IAI GECC package is complete.

IAI GECC Completion

John A. Logan College students who complete the core curriculum with approved IAI courses will have the designation noted on their transcript. Students who have completed the IAI General Education Core Curriculum (GECC) and transfer to another IAI participating institution will have completed that institution's lower division general education requirements required for general graduation purposes. Students who do not complete the IAI GECC requirements prior to transfer should expect to fulfill the general education requirements established by the transfer institution. However, some IAI participating institutions are now allowing students who transfer with at least 30 semester credits the option of completing the remaining IAI GECC after transfer.

In this case, it is recommended that the student send an official transcript back to John A. Logan College and request a review of the IAI GECC package. If it is now complete, the designation will be posted to the official JALC transcript. Students should also be aware that the recommended IAI Associate in Science (AS), Associate in Engineering Science (AES), and Associate in Fine Arts (AFA) curricula are designed to keep them on schedule with the native students in these disciplines at the participating four-year institution, but they do not fulfill the transferable General Education Core Curriculum (GECC) requirements.

IAI Major Recommendations

The Illinois Articulation Initiative (IAI) also includes recommended freshmen- and sophomore-level courses for specific majors in the IAI Baccalaureate Majors Curricula. The majors' course recommendations build on the transferable General Education Core Curriculum (GECC) by identifying major and prerequisite courses that students need to complete to transfer as a junior (that is, with an associate degree into a specific major). Each major panel recommendation explicitly encourages community college students to complete an associate degree before transfer.
In the course description section of this Catalog, the following codes identify qualifying general education courses: The IAI General Education Core Curriculum (GECC) courses:

IAI	C	Communications
IAI	H, HF	Humanities

IAI	F, HF	Fine Arts
IAI	M	Mathematics
IAI	L, LP	Life Sciences
IAI	P, LP	Physical Sciences
IAI	S	Social/Behavioral Sciences

The following codes identify qualifying major courses:

IAI	AG	Agriculture
IAI	ART	Art
IAI	BIO	Biological Sciences
IAI	BUS	Business
IAI	CHM	Chemistry
IAI	CRJ	Criminal Justice
IAI	CS	Computer Sciences
IAI	ECE	Early Childhood Education
IAI	EGR	Engineering
IAI	EGL	English
IAI	HST	History
IAI	MTH	Mathematics
IAI	MC	Media and Communication Arts
IAI	PHY	Physics
IAI	PLS	Political Science
IAI	PSY	Psychology
IAI	SOC	Sociology
IAI	TA	Theater Arts

A database is maintained that contains all of the statewide IAI articulated courses at each participating institution. Students who plan to transfer at some point during their college career should access this IAI information on the IAI website at **http://www.itransfer.org**. The IAI Major Advisory Committees are undergoing a review of the core curriculum for each major. Changes to the current major core course recommendations may be altered. It is advisable for all students thinking about transferring to another institution to meet with an academic advisor to discuss the applicability of courses to a specific major or degree program of that other institution. The following listing represents the John A. Logan College courses that are approved as matches to IAI courses as of the printing of this Catalog edition. All credits shown in the table below are semester credits.

JALC Course	Title	Credits	IAI Code	GECC/ Major
ACC 200	Financial Accounting I (must also take ACC 201)	3	BUS 903	Major
ACC 201	Financial Accounting II (must also take ACC 200)	3	BUS 903	Major
ACC 202	Managerial Accounting	3	BUS 904	Major
AGR 101	AG Economics	3	AG 901	Major
AGR 102	Intro to Crop Science	4	AG 903	Major

AGR 103	Horticulture	3	AG 905	Major
AGR 104	Intro to Soil Science	3	AG 904	Major
AGR 111	Introduction to Agriculture Education	3	AG 911	Major
AGR 112	Computers in AG	3	AG 913	Major
AGR 121	Intro to Animal Science	4	AG 902	Major
AGR 122	Intro to Agriculture Mechanics	3	AG 906	Major
AGR 181	Precision Agriculture	3	AG 907	Major
ANT 111	Anthropology	3	S1 900N	GECC
ANT 202	America s Diverse Cultures	3	S1 904D	GECC
ANT 216	Cultural Anthropology	3	S1 901N	GECC
ANT 240	Introduction: Physical Anthropology	3	S1 902	GECC
ART 101	Two-Dimensional Design	3	ART 907	Major
ART 102	Three-Dimensional Design	3	ART 908	Major
ART 111	Art Appreciation	3	F2 900	GECC
ART 180	Drawing I	3	ART 904	Major
ART 220	History of Art I	3	F2 901	GECC
ART 221	History of Art II	3	F2 902	GECC
ART 256	Drawing II	3	ART 905	Major
ART 291	History of Photography	3	F2 904	GECC
BIO 100	Biology For Non-Science Majors	4	L1 900L	GECC
BIO 101	Biological Science for Science Majors I	4	BIO 910	Major
BIO 101	Biological Science for Science Majors I	4	L1 910L	GECC
BIO 102	Biological Sciences II	4	BIO 910	Major
BIO 102	Biological Sciences II	4	L1 910L	GECC
BIO 105	Humans in Society	4	L1 904L	GECC
BIO 225	Genetics	3	L1 906	GECC
BUS 121	Business Statistics	3	BUS 901	Major
CHM 141	General, Organic and Biochemistry I	4	P1 902L	GECC
CHM 151	Chemical Principles	5	CHM 911	Major
CHM 151	Chemical Principles	5	P1 902L	GECC
CHM 152	Chemical Principles with Qualitative Analysis	5	CHM 912	Major
CHM 152	Chemical Principles with Qualitative Analysis	5	P1 902L	GECC
CHM 201	Organic Chemistry I	5	CHM 913	Major
CHM 202	Organic Chemistry II	5	CHM 914	Major
COM 115	Speech	3	C2 900	GECC
COM 140	Argumentation and Debate	3	MC 905	Major
COM 201	Writing for Mass Media	3	MC 919	Major
COM 215	Introduction to New Media	3	MC 911	Major
CPS 202	Discrete Structures	3	CS 915	Major
CPS 202	Discrete Structures	3	M1 905	GECC
CPS 206	Computer Science I	4	CS 911	Major
CPS 215	Computer Science II	4	CS 912	Major
CRJ 103	Introduction to Criminal Justice	3	CRJ 901	Major
CRJ 105	Criminal Behavior	3	CRJ 912	Major
CRJ 218	Intro to Corrections	3	CRJ 911	Major
CRJ 223	Juvenile Justice	3	CRJ 914	Major
ECE 160	Child Growth and Development	3	ECE 912	Major
ECE 245	The Exceptional Child	3	ECE 913	Major
ECE 260	Child, Family and Community Relations	3	ECE 915	Major
ECO 201	Introduction to Macroeconomics	3	S3 901	GECC
ECO 202	Introduction to Microeconomics	3	S3 902	GECC
EGR 101	Engineering Graphics	3	EGR 941	Major
ENG 101	English Composition I	3	C1 900	GECC
ENG 102	English Composition II	3	C1 901R	GECC
ENG 113	Professional Technical Writing	3	C1 900R	GECC
FRE 202	Intermediate French II	4	H1 900	GECC
GEO 112	World Regional Geography	3	S4 900N	GECC
GEO 112	World Regional Geography	3	S4 906	GECC
GER 202	Intermediate German	4	H1 900	GECC
HIS 101	Western Civilization I	3	H2 901	GECC
HIS 102	Western Civilization II	3	H2 902	GECC
HIS 103	World Civilizations I	3	S2 912N	GECC

HIS 104	World Civilizations II	3	S2 913N	GECC
HIS 201	United States History I	3	S2 900	GECC
HIS 202	United States History II	3	S2 901	GECC
HIS 213	Eastern Civilizations	3	H2 903N	GECC
HIS 223	The African-American Experience	3	S2 923D	GECC
LIT 210	British Literature	3	H3 912	GECC
LIT 230	American Literature	3	H3 914	GECC
LIT 264	Literature For Children	3	H3 918	GECC
LIT 275	Art of the Cinema	3	F2 909	GECC
LIT 280	Introduction to Literature	3	H3 900	GECC
LIT 281	Introduction to Mythology	3	H9 901	GECC
LIT 284	Ethnic Literature in America	3	H3 910D	GECC
LIT 295	Women in Literature	3	H3 911D	GECC
MAT 112	Introduction to Contemporary Mathematics with Integrated Review	3	M1 904	GECC
MAT 113	Introduction to Contemporary Mathematics	3	M1 904	GECC
MAT 116	Finite Mathematics for Business and Management	3	M1 906	GECC
MAT 117	Calculus for Business and Social Sciences	4	M1 900-B	GECC
MAT 119	Elementary Statistics with Integrated Review	3	M1 902	GECC
MAT 120	Elementary Statistics	3	M1 902	GECC
MAT 125	Discrete Structures	3	CS 915	Major
MAT 125	Discrete Structures	3	M1 905	GECC
MAT 131	Calculus I	5	M1 900-1	GECC
MAT 131	Calculus I	5	MTH 901	Major
MAT 201	Calculus II	5	M1 900-2	GECC
MAT 201	Calculus II	5	MTH 902	Major
MAT 202	Calculus III	3	M1 900-3	GECC
MAT 202	Calculus III	3	MTH 903	Major
MAT 205	Differential Equations	3	MTH 912	Major
MAT 209	Math for Elementary Teachers II	3	M1 903	GECC
MAT 221	Introduction to Linear Algebra	3	MTH 911	Major
MAT 282	Statistics	3	M1 902	GECC
MUS 105	Music Appreciation	3	F1 900	GECC
MUS 225	Music History/Literature	3	F1 901	GECC
OFT 207	Computer Applications for Business	3	AG 913	Major
OFT 207	Computer Applications for Business	3	BUS 902	Major
PHL 111	Ethics & Moral Problems	3	H4 904	GECC
PHL 121	Introduction to Logic	3	H4 906	GECC
PHL 131	Introduction to Philosophy	3	H4 900	GECC
PHL 200	Asian Philosophy	3	H4 903N	GECC
PHL 260	World Religions	3	H5 904N	GECC
PHL 265	Introduction to Philosophy of Religion	3	H4 905	GECC
PHS 102	Astronomy	3	P1 906	GECC
PHS 103	Earth Science	3	P1 905L	GECC
PHS 105	How Things Work: Physics of Everyday Life	3	P1 900	GECC
PHS 107	Weather and Climate	3	P1 905	GECC
PHY 121	Technical Physics	3	P1 900L	GECC
PHY 155	College Physics I	5	P1 900L	GECC
PHY 201	Statics	3	EGR 942	Major
PHY 202	Dynamics	3	EGR 943	Major
PHY 203	Mechanics of Materials	4	EGR 945	Major
PHY 205	University Physics I	5	P2 900L	GECC
PHY 205	University Physics I	5	PHY 911	Major
PHY 206	University Physics II	5	PHY 912	Major
PHY 214	Introduction to Circuit Analysis	3	EGR 931	Major
PHY 224	Electrical Circuit Analysis Laboratory	1	EGR 931L	Major
PSC 131	American Government	3	S5 900	GECC
PSC 211	State & Local Govt	3	S5 902	GECC
PSC 212	Introduction to International Relations	3	S5 904	GECC
PSC 289	Introduction to Comparative Government	3	S5 905	GECC
PSY 132	General Psychology	3	S6 900	GECC
PSY 200	Social Psychology	3	PSY 908	Major
PSY 200	Social Psychology	3	S8 900	GECC

PSY 203	Adolescent Psychology	3	S6 904	GECC
PSY 262	Child Psychology	3	S6 903	GECC
PSY 270	Abnormal Psychology	3	PSY 905	Major
SCI 101	Integrated Life & Physical Science I (must also take SCI 111)	4	LP 900L	GECC
SCI 111	Integrated Life & Physical Science II (must also take SCI 101)	3	LP 901	GECC
SCI 210 A	Integrated Science I (also take 210 B for GE cr)	3	LP 900L	GECC
SCI 210B	Integrated Science II (also take 210 A for GE cr)	4	LP 901L	GECC
SCI 215	Environmental Biology	3	L1 905	GECC
SOC 133	Principles of Sociology	3	S7 900	GECC
SOC 220	Sociology of Gender	3	S7 904D	GECC
SOC 221	Race and Ethnicity	3	S7 903D	GECC
SOC 250	Individual and Society	3	S8 900	GECC
SOC 263	Marriage & the Family	3	S7 902	GECC
SOC 264	Social Problems	3	S7 901	GECC
SPN 202	Intermediate Spanish II	4	H1 900	GECC
THE 113	Theater Appreciation	3	F1 907	GECC
THE 124	Fundamentals of Acting I	3	TA 914	Major
THE 224	Play Analysis for Production	3	TA 917	Major
THE 225	Performance of Literature	3	TA 916	Major

Career Education

Career Education curricula prepare students for careers in occupations related to business, education, health, industry, office technology, or public service. The curricula are developed with the assistance of advisory committees representing business and industry and based on survey information identifying area personnel needs. Both certificate and degree programs are offered. Most certificate programs require one year of study; degree programs require two. Note: Due to their specialized technical nature, some courses are offered each semester and some are not; students beginning in the spring semester may not be able to carry a full load of courses.

The overall objective of career-oriented education is to contribute to the scientific, technical, industrial, business, and economic welfare of southern Illinois through the provision of low-cost, current, college-level technical training geared to the citizens of the College district.

The career curricula are technical in nature and lie in the post-high school area. They differ in content and purpose not only from those of the trade school but also from those of the engineering college. All have in common the following purposes and characteristics:

The purpose is to prepare students for employment in high-skill career fields.

1. There are hands-on learning experiences provided for the student to gain perspective about their future occupation.
2. Methods of instruction are relatively direct with a strong emphasis on learning specific skills. Ordinarily, a high proportion of the work is done during the hours of instruction. Individualized instructional materials provide opportunities for home

study and independent progress. Many curricula articulate to baccalaureate degree-granting institutions, and many individual courses are transferable. A majority of curricula have programs of study with well-defined entry and exit points.

CAREER Agreement

Most community colleges in Illinois coordinate their educational services through the statewide Comprehensive Agreement Regarding the Expansion of Educational Resources (CAREER).

Through this agreement, the colleges listed below work together to provide access to career and technical programs (e.g. Associate in Applied Science degrees, Career and Technical Education certificates). The agreement allows students in one community college district to enroll in a program in another community college district with in-district tuition if their local college does not offer the same program.

Visit the website (**https://www.jalc.edu/career-agreement/**) and contact your advisor if you have questions about the CAREER Agreement.

The following Illinois community colleges are CAREER Agreement participants:

- Black Hawk College
- Carl Sandburg College
- City Colleges of Chicago
- College of DuPage
- College of Lake County
- Danville Area Community College
- Elgin Community College
- Heartland Community College
- Highland Community College
- Illinois Central College
- Illinois Eastern Community Colleges
- Illinois Valley Community College
- John A. Logan College
- John Wood Community College
- Joliet Junior College
- Kankakee Community College
- Kaskaskia College
- Kishwaukee College
- Lake Land College
- Lewis and Clark Community College
- Lincoln Land Community College
- McHenry County College
- Moraine Valley Community College
- Morton College
- Oakton Community College
- Parkland College
- Prairie State College
- Rend Lake College
- Richland Community College
- Rock Valley College
- Sauk Valley Community College
- Shawnee Community College
- South Suburban College
- Southeastern Illinois College
- Southwestern Illinois College
- Spoon River College
- Triton College
- Waubonsee Community College
- William Rainey Harper College

Career Education Advisory Committees

Training people for employment in career and technical education fields is a task that should be shared by the College and the community. To provide quality programs and competent graduates, the College must understand the needs of area businesses and industries. A two-way system of communication between the College and the community should be maintained to meet the educational and training needs of the College district.

Local advisory committees perform a significant function because they represent not only secondary education but also industries and businesses that are respected and recognized within the area served by the College. The feedback from advisory committees enables the College to develop or modify programs of career education to reflect the current needs of the community. Each committee assists the College in determining industry needs, developing curricula, establishing work experiences, identifying equipment and facility needs, and assessing program objectives and content. College staff carefully consider all committee recommendations because they guide program enhancement to ensure graduates are ready to enter a skilled workforce.

The public can have confidence in these programs because the experiences and counsel of responsible citizens are solicited and acted upon by the College. These committees are comprised of community and business representatives plus the chairperson of each program's advisory committee.

Community Education & Workforce Development

The Literacy Program

The Literacy Program is an adult reading improvement program. It is a free program available throughout the year for individuals aged 17 or older who are out of school. Volunteers are recruited and trained to tutor students enrolled in adult basic education or in a one-on-one situation. Tutoring is conducted on campus and in communities throughout the College district. Entry to the program for both learners and tutors can be arranged by contacting the Literacy Counselor.

Child Care Resource and Referral (CCR&R)

Child Care Resource and Referral (CCR&R) administers the Illinois Department of Human Services Child Care Assistance program for the southern fifteen counties in Illinois. They help eligible students and working families with child care costs. In addition, CCR&R assists families in finding and selecting child care and/or early education programs.

For those providing early care and education in southern Illinois, CCR&R provides training, education, and professional development assistance in meeting state standards and requirements. Quality improvement grants and accreditation support are also available.

Center for Workforce Development

A variety of vocational, customized training, seminars, workshops, and conferences are available to southern Illinois employers and individuals. Training is offered on campus and/or at the jobsite and is designed to increase productivity and sustainability. Courses are created to serve the unique needs of the business and industrial communities for short-term training and non-traditional programs. Representative courses of instruction include supervisory skills, computer software, CPR, occupational health and safety, state certifications, and many more. Non-transferable workforce vocational skills credits are available for individuals needing to upgrade skills to obtain or retain employment or promotion. Continuing Education Units (CEUs) and Continuing Professional Development Units (CPDUs) are offered for many professions. Visit **https://www.jalc.edu/cwd** for more information.

Highway Construction Careers Training Program (HCCTP)

The Highway Construction Careers Training Program (HCCTP) is designed to help increase the number of minorities, females, and disadvantaged individuals employed on highway construction projects funded by the Illinois Department of Transportation.
The course consists of 450 hours of training in both a classroom and hands-on environment. The classroom portion primarily consists of math and job/life skills training, while the hands-on portion involves mainly concrete and carpentry skills training. The curriculum is designed to allow students to learn about the various trade unions and the type of work they perform, as well as learn the skills necessary for acceptance into the various highway construction trades as an apprentice. Additionally, students will receive a 10-hour OSHA certification, forklift safety training, aerial/scissor lift training, CPR/First Aid, portable fire extinguisher training, and flagger certification training as well as spend 32 hours in the welding lab.

Successful candidates must be at least 18 years old, have a high school diploma or GED, possess a valid driver's license, and consent to random drug screens.

Program applications are available by visiting: **https://www.jalc.edu/cwd/hcctp/**

Workforce Innovation and Opportunity Act (WIOA)

Man-Tra-Con, Corp. is housed on the JALC campus and has grant funding available to assist students with attending college. Students may be eligible for assistance with tuition, fees, books, supplies, transportation, childcare, testing fees, etc. The Man-Tra-Con Career Specialist on campus can provide information in determining eligibility and accessing services under the WIOA program. Man-Tra-Con can also help students with finding employment upon

completion of the student's college program. All of these services are provided at no cost to the student. For additional information, please visit the Man-Tra-Con website at **www.mantracon.org**.

Community Education Courses

Community Education at John A. Logan offers a diverse array of educational opportunities tailored to meet the needs and interests of our local community. Community colleges serve as vital hubs for lifelong learning, and community education in particular provides enrichment courses in subjects like arts, music, and personal finance, fostering personal development and cultural enrichment. JALC Community Education offerings frequently extend beyond traditional classroom settings, with workshops and community outreach programs further expanding access to education for individuals of all backgrounds and ages. Through these multifaceted offerings, the JALC Community Education program plays a pivotal role in empowering individuals to enhance their skills, pursue new career paths, and enrich their lives.

Visit **https://www.jalc.edu/community-education** for more information.

Logan Academy

Logan Academy - Adult Basic Education, GED® and Literacy Program

Logan Academy is here to support you in obtaining your GED®, improving your basic reading or math skills, gaining information for specific career choices and helping you succeed in meeting your goals, regardless of how long you have been out of school. This program is for those wanting to prepare to take the GED® test. Classes are offered at the College and in various communities for adults 16 years of age or older. Interested persons may obtain information regarding registration, class meeting times, and dates by contacting the Logan Academy staff.

Mary Logan High School

Mary Logan High School - Adult Secondary Education (ASE) Program

The Adult Secondary Education (ASE) program at John A. Logan

College provides intervention services through 1) an optional learning opportunity to dropout and potential dropout youth and 2) a credit recovery opportunity to potential dropout youth with academic problems associated with attendance issues.
Services provided in programming include:

1. An intensive, comprehensive, full-day educational program for dropout and potential dropout youth that includes education (academic instruction), academic and personal counseling, support services, community internships, workplace readiness, and volunteer activities.
2. A supportive educational summer and evening program that allows potential dropout youth with truancy issues the opportunity to earn high school credit and remain "on track" for high school graduation.
3. A supportive program of counseling and communication for students, parents, and staff facilitated by on-staff counselors and licensed social workers.
4. A program of assessment and counseling in academic, vocational, and life skill areas. Type of Service Offered: Truant Intervention (Supplemental Services) and Optional Education/Alternative. Students Served: Potential Dropout and Dropout. Grade of Students Served: 9-12. Age of Students Served: 16-21

Early School Leavers Program

The Early School Leaver Transition Program (ESLTP) is specifically aimed at helping at-risk students become reoriented and motivated to complete their education by allowing students to participate in adult education instruction as well as career and work training activities. Students must be between the ages of 16-21 and not currently attending traditional high school. The program provides assessments and counseling in career and life skills areas, exploration of post-secondary training options by job or class shadowing, and helps students develop a career portfolio, receive job-search assistance, and earn credit towards high school completion. Students interested in more information may call the ESLTP Coordinator.

General Educational Development (GED) Classes

Free GED® classes are offered at the College and in various communities for adults 16 years of age or older who were unable to complete their formal high school studies. Instruction in English, mathematics, social studies, science, and the Illinois and United States Constitution is provided to assist students in acquiring the knowledge and skills necessary to pass the GED® exam. Interested persons may obtain information regarding registration, class meeting times, and dates by contacting the Director of Adult Basic Education.

Apprenticeships

The College offers a number of US Department of Labor Registered Apprenticeship Program. As part of the Apprenticeship program, students receive on-the-job learning through paid positions in their field of study.
Visit the Apprenticeships page on the website for more information.

Student Services & Student Life

Academic Advisement

All John A. Logan College students are encouraged to meet with their assigned Academic Advisor before or during each registration period. New students are required to meet with an Advisor until they have successfully completed one semester of College coursework at John A. Logan. Other groups such as TRIO students, John A. Logan Ambassadors, Athletes, and International Students may have registration restrictions that may restrict self-advisement. Advisors are available throughout the year to help students with questions or issues related to courses or academic progress. Current students will receive monthly emails from Academic Advisement regarding important College deadlines and registration dates. For services outside normal business hours, Academic Advisement is open late on Tuesday nights until 6:00pm and hosts Saturday Sign Up on the Saturday before the start date of a new semester. The Academic Advisement Office is also open for walk-ins Monday-Friday for questions or schedule changes. For more information and to schedule an appointment, email registration@jalc.edu or call 618-985-2828 Ext. 8070.

Athletics

John A. Logan College provides a well-balanced athletic program. The College competes inter-collegiately in basketball, baseball, and golf in the men's division and in volleyball, basketball, softball, and golf in the women's division. John A. Logan College strives to be competitive in all sports on the community college level and attempts to provide an enthusiastic and positive atmosphere for all student-athletes. John A. Logan College is a member of the National Junior College Athletic Association (NJCAA) and the Great Rivers Athletic Conference (GRAC).

For more information, visit JALC Athletics or contact the Athletic Department in C-101 or call 618-985-2828 Ext. 8503.

Campus Information Services

The Marketing, Communications, and Public Relations office operates the College's Information Desk and switchboard, manages campus bulletin boards, and provides other information services. The information desk can be reached at 618-985-2828 Ext. 0.

Campus Police

Campus Police represents a progressive campus police organization protecting the facilities of the College and services to its population. It has a walk-up window (Room E105).

The officers of the department are empowered by Illinois law to enforce all criminal and traffic laws of the state and the local ordinances of the College. All standard means are used by the department to enforce good order and to maintain traffic control on campus.

Career Services

Career Services assists students in effectively realizing their career goals. This is achieved through computerized testing and personal interviews. Students receive help in clarifying goals and objectives that are related to their life and work values, abilities, needs, and interests. The center recognizes that making realistic career choices and reviewing current job market trends are important to successful career planning.

Off-Campus Employment

John A. Logan College provides services to assist students and alumni in securing employment in positions directly related to their areas of academic preparation. Individuals seeking positions in Illinois and several other Midwestern states are aided by an online job board. Students can further utilize Career Services by receiving individual assistance with résumé preparation, interviewing techniques, and other valuable pre-employment skills. Students can visit the Career Services website for additional information.

Career Services will also assist students in finding part-time employment while enrolled at John A. Logan College. Those seeking off-campus employment should inquire with Career Services after being admitted to the college.

On-Campus Employment

In addition to assisting students in locating off-campus employment, Career Services is responsible for coordinating the student work program at John A. Logan College. There are limited positions available in the student-work program, which was designed to provide part-time employment for students who are seeking financial assistance to attend college.

Career Testing

Individual testing is available and administered by career counselors. The tests can assist students in discovering interests and skills in various career areas. Interested students should contact Career Services, C215, to schedule an appointment.

Clubs and Organizations

The College's 30-plus clubs and organizations provide students with opportunities for leadership development, service to the College and surrounding community, and socialization with peers. For a current and complete list of clubs and organizations, visit **Listing of Clubs**

and Organizations or contact the Student Life office in C207 or email activities@jalc.edu, or call 618-985-2828 Ext. 8240.

Student Government: The College's student government association is the Student Senate. It is comprised of representatives from student clubs, the student trustee, and other at-large students. Student Senate serves as the voice of the student body by collaborating with employees and administration to make a positive impact at the College for students. Student Senate also organizes service projects that benefit the campus and larger community. For more information, contact Student Senate at studentsenate@jalc.edu or 618-985-2828, ext. 8287.

College Website

The College website provides information and services for students, faculty, staff, and the community. The website provides up-to-date and accessible information on departments, programs, events, and other college resources.

Communication: JALCAlert for Early Alerts

The new JALCAlert system is designed to enhance and improve communication so that all members of the John A. Logan campus community can stay informed in the event of campus closure or an emergency. With 90% of college students having mobile phones, this method of communication can increase safety on the John A. Logan College campus. Time-sensitive messages can now go out to parents, students, faculty, and staff wherever they are.
John A. Logan College has contracted with e2Campus to provide the service, which will allow students, faculty, staff and the public to "opt in" to be notified via text message about campus events and an emergency.
Set up your JALCAlert account now! JALCALert will send a text to your phone in case of a college emergency or campus closure. Even if you don't have a cell phone, JALCAlert can send you emails instead.

Communication: JText for Student Services

The College has launched a new information messaging service, JText, through the Jenzabar platform. This service will be a comprehensive source for information regarding academics, financial aid, billing, and updates on campus events and critical college deadlines. The frequency of messages is aligned with the academic calendar.

JText is distinct from JALCAlert, our emergency text service. New and returning students will receive a prompt to opt into JText when logging into MyJALC.

Disability Support Services

The Student Success Center can arrange reasonable accommodations for students with disabilities. Students with disabilities who want to request accommodations are required to meet with the Disability Support Services coordinator to complete an intake. Prior to meeting with the DSS Coordinator, the students will need to Apply for Services through the link on the DSS website. Students requesting accommodations must have appropriate documentation of a disability to receive reasonable accommodations. Visit the following site to view our documentation standards and all links for applying for services: Disability Support Services.

In addition, students are required to request accommodations each semester they plan to use the approved accommodations. Accommodations can be requested by students through their DSS Student Portal on the DSS website .

Reasonable accommodations may include but are not limited to note takers, sign language interpreters, alternative format books, extended time for exams, readers/scribes, adaptive technology, and accessible seating.

Professional sign language interpreters are available for students who are deaf or hard-of- hearing for class lectures, tests, personal and career counseling, advisement, and other scheduled activities upon advanced request.

Diversity & Inclusion

The Diversity and Inclusion (D & I) Program at John A. Logan College provides resources and programs to promote a welcoming campus that enhances learning and enriches lives. Our recognizes that an ethnically, racially, and culturally diverse composition of students and faculty enhances the education of all students and we, as educators, have a responsibility to provide a variety of learning opportunities that will prepare our students for success in a global environment. Email toyinfox@jalc.edu, call (618) 985-2828 Ext. 8586, or visit **Diversity and Inclusion** to learn more.

Educational Workshops

The Student Success Center offers a variety of workshops each semester designed to enhance students' academic skills. Workshop topics include study skills, test-taking techniques, stress management, fitness and nutrition, relaxation techniques, and overcoming math anxiety. See a list of times and locations at **Student Success Workshops** or call (618) 985-3741, ext. 8259.

Free Student Printing (color & b/w)

The link to submit a free student printing request can be found on the Campus Support Services web page:
https://www.jalc.edu/campus-support-services/. Also found on this page are instructions for the print request if needed.

Free student printing is limited to course/classwork, job searching, transcripts, and paperwork related to admissions or transfers.
Print requests with high page counts are subject to review and approval before Campus Support prints your request.
Please email **print@jalc.edu** if you have any questions regarding free student printing.

Internship Program

The John A. Logan College Internship Program is an on-the-job work experience that will enable the student to apply the skills and knowledge learned in the classroom. This experience is a cooperative adventure involving the student, the College, and a training station. It is closely planned and supervised by the College coordinator and the employer in order to allow students to obtain the maximum benefit. Students are evaluated by the College coordinator after a conference with the trainer at the training station.

Learning Lab

The Learning Lab provides proctoring services to students to take their online and makeup exams in a quiet, well-equipped facility. In addition, students in the community taking courses from other institutions have the opportunity to schedule and take their exams in the lab (for a fee). The Learning Lab is available at assorted times each day and throughout the semester for greater access to varying schedules. The lab is located in C229 and C227.

The Learning Lab also provides accommodations to students with disabilities. These accommodations include extended time, alternate format exams, Kurzweil test reader, and other print or online accommodations, as determined and requested through the Student Success Center.

Learning Resource Center

The LRC supports instructional programs of the College. It consists of the College's Library and Teaching and Learning Center, which supports faculty professional development. The College's Distance Learning program is also administered by the LRC.

Library Services

The library provides access to a collection of books, e-books, periodicals, pamphlets, newspapers, online databases, and the Internet. Library Services supervises the circulation of materials from this area and materials placed on reserve. Library personnel provide reference services and library instruction. Students may request materials through interlibrary loan if the needed materials are not available at the John A. Logan College Library. Students with off-campus access may connect to the College's home page, the online catalog, and many online databases. A copy machine/scanner/printer is provided for student use. Open access computers are available for students to type documents, search the online catalog and online databases, and use the Internet. Study carrels are available for individualized study.

The library at John A. Logan College is an active, participating member of ILLINET library network, the Southern Illinois Learning Resources Cooperative, NILRC, Carli, and the Illinois Heartland Library System's automated catalog.

Logan Fitness

Logan Fitness, which is located within the Community Health Education Complex (J Building), is a fitness facility that includes both a fitness center and an aquatic center. Dozens of instructor-led fitness classes are also offered. Logan Fitness is available to students, employees, and the community. Students enrolled in six credit hours in the fall and spring and three hours in the summer have automatic access to Logan Fitness.

For more information, visit **Logan Fitness** or call Logan Fitness at 618-985-2828 Ext. 8502.

Performing Arts

JALC Performing Arts events such as: dramatic plays, musicals, concerts and lectures are presented throughout the year. Tickets are reasonably priced for all audiences, and all students have free or discounted admission to most events. Daytime performances and matinees are also offered for free to all students. Performing arts events and information can be found at jalc.edu.

Personal Counseling

Often students need assistance with social and personal problems, as well as with academic and career concerns. For this reason, professionally trained counselors are available to help students understand and resolve these problems. Referrals to community resources are also provided for situations requiring additional support. Crisis counseling is available in the Student Success Center, C219. Contact Personal Counseling services by email at Donald.Winget@JALC.edu or by telephone at 1 (618) 985-2828, Ext. 8030.

Public Transportation

Public transportation is available to John A. Logan College students through **Rides Mass Transit District** (RMTD) and **Jackson County Mass Transit**. RMTD has routes that include John A. Logan College and offers a reservation service for scheduling rides that are not on their routes. RMTD semester bus passes may be purchased in the John A. Logan College Bookstore. RMTD and Jackson County Mass Transit bus fares may be purchased directly from bus drivers. Bus schedules may be picked up at the Information Desk. For more information about Rides Mass Transit District, visit **www.ridesmtd.com** or call 877-743-3402. For more information about Jackson County Mass Transit, visit **www.jcmtd.com** or call 866-884-7433.

Student Activities and Cultural Events

The Office of Student Activities and Cultural Events enriches life in the John A. Logan College district by providing accessible, diverse, and engaged learning experiences through co-curricular and cultural programs.

Student Publication: Expressions

The College's student literary magazine, Expressions, is published annually by the Department of Communication, Humanities, and Social Science. For more information, contact David Evans at **davidevans@jalc.edu** or 618-985-2828 ext. 8317.

Student Success Center

The Student Success Center (SSC) coordinates several programs including TRIO Student Support Services, Tutoring, counseling services, and Disability Support Services.

The TRIO Program: The TRIO program is a component of the Educational Opportunities Program (EOP) that is funded through the U. S. Department of Education. This program provides individual support to students who meet one or more of the following: financial aid eligible, low-income, first-generation college student, and/or have a disability.

The purpose of TRIO is to increase college retention and graduation rates for eligible students. Benefits provided may include mentoring, cultural enrichment activities, tutoring, leadership-development training, scholarships, transfer and financial aid assistance, and others. TRIO students may also utilize any of the other support services offered through the Student Success Center based on their individual needs. Applications for the TRIO program are available in room C219 or **online**. All students who qualify are encouraged to apply.

Study Abroad

Recognizing the value of studying abroad, John A Logan College endorses and supports educationally sound international programs in compliance with College policies, and those of our accrediting and governing boards.

John A. Logan College encourages students to explore the benefits of living and studying in a foreign culture. As a member of the Illinois Consortium for International Studies and Programs (ICISP), the College offers students a variety of study abroad opportunities. Any John A. Logan College student who has completed at least 12 hours of college-level work with a cumulative grade-point average of 2.75/4.00 is eligible to participate in these programs. All programs provide John A. Logan College credit or transferable credit from another Illinois institution with a range of courses that should fit into most baccalaureate transfer programs.

The College Foundation and faculty/staff provide financing for some partial scholarships for these programs. For more information on programs, contact the international education coordinator.

Some programs are done in cooperation with other ICISP member institutions, and new programs are added regularly. Contact the international education coordinator for details on specific programs and deadlines for applications.

The most current information on other study abroad opportunities is available from the international education coordinator or on the College's homepage under "International Education."

Student enrollment in a program of study abroad approved for credit by the home institution may be considered enrollment at the home institution for the purpose of applying for assistance under the FSA programs.

Teaching & Learning Center

The Teaching & Learning Center supports the faculty and staff by providing training and professional development services. The TLC provides training and support in instructional design, pedagogy, multimedia authoring, and implementing instructional technology. The TLC maintains a multimedia/computer classroom (C230H) and a video recording studio (C230F). The TLC multimedia/computer lab is for faculty use and has up-to-date versions of the leading office and multimedia suites.

Tutoring

The Student Success Center offers students the opportunity to increase their educational skills through tutoring. We provide an online **Tutoring Request form** so you can get started right away!

Tutoring is offered at no charge in both transfer and career areas, including mathematics, science, social sciences, business, and language arts. The center uses both professional and peer tutors to assist students. Tutoring is available on a walk-in basis in the Math Help Room (C218F) and Biology Help Room (C243A), or one-on-one appointments are available. Request appointments in Room C219 or online at Tutor Request Form. Staff offer free tutoring in English to help students with essays, research papers, and other written assignments.

The tutoring program is certified through the College Reading and Learning Association (CRLA), and all tutors complete Level I and II training requirements.

Academics

Academic Policies

For information on the Academic Honor Code, grading system, student classification, course repeat policies, acceptance of Advance Placement credit, Dual Credit/Early College, and other academic policies, please refer to the *Student Guidebook*.

Student Attendance Policy

The student attendance policy for each class will be determined by the instructor and it will be the student's responsibility to comply with the policy for each class and/or program. No central attendance records, other than those required by state and federal regulations, are reported.

Withdrawal from Class

Student-Initiated Withdrawal: Students who do not wish to continue in a course are responsible for officially withdrawing or dropping the course from their schedule. To do so, they should drop the course through the student portal or contact Admissions and Records for assistance.

- Students who fail to drop during the designated drop period at the beginning of the semester as outlined in the Instructional Calendar will not be eligible for a refund of tuition and fees and may receive a failing grade for the course.
- Students may formally withdraw from a class during the designated period outlined in the Instructional Calendar in order to receive a grade of "W". The "W" grade is not used in calculation of the grade point average; however, it may negatively impact eligibility to receive financial aid. Students should contact the Financial Aid Office with questions concerning eligibility.
- Students who withdraw from a class may register for that class again in a subsequent semester.

Administrative Withdrawal: John A. Logan College reserves the right to administratively withdraw students for disciplinary reasons as outlined in the Rights and Responsibilities: A Student Code of Conduct. The College may also withdraw students who fail to meet the financial obligations of attendance.

Faculty-Initiated Withdrawal: Instructors reserve the right to withdraw students from classes at any point in the semester, subject to the disciplinary process outlined in the **Student Guidebook**. Additionally, faculty are required to withdraw students who fail to regularly attend and/or participate in class as outlined in federal financial aid guidelines. To maintain compliance for the distribution of Title IV funds, instructors must withdraw students who fail face-

to-face courses and participate in online and hybrid courses. Please refer to the examples below for further guidance on the withdrawal process for various course types:

- Face-to-Face (16 and 12-week courses) Students should be withdrawn after missing consecutive class sessions equal to one week of the scheduled meetings for the course.
- Face-to-face (8 and 5-week courses) Students should be withdrawn after missing consecutive class sessions equal to half the weekly scheduled meetings for the course.
- Online (16 and 12-week courses) Students should be withdrawn after failing to actively participate for one consecutive week of the course.
- Online (8 and 5-week courses) Students should be withdrawn after failing to actively participate for three consecutive days of the course.
- Hybrid (16 and 12-week courses) Students will be withdrawn after a combination of missing a class session(s) and failing to actively participate online for the equivalent of one week of the course.
- Hybrid (8 and 5-week courses) Students will be withdrawn after a combination of missing a class session and failing to participate online for three days of the course.

Participation in online courses is defined as active engagement in the course, which includes; posting or sending assignments in D2L or to the instructor directly through email, participating in online discussions, taking quizzes or exams, or other activities assigned by the instructor. Merely logging in on D2L does not count as participation. The only exception would be for students with excused absences approved by the instructor.

Administrative Procedure to Withdraw a Student

- The appropriate college administrator or faculty member will notify the Admissions and Records Office, in writing or through email, requesting students be withdrawn. Once the documentation is received, students will be formally withdrawn from the course.
- The student will then receive an email notification of the withdrawal from the Admissions and Records Office. The notification will outline the student's appeal options if they wish to re-enroll in the course.
- If a student wishes to challenge a "withdrawal" grade, they will have due process as with the appeal of any other grade.
- A faculty member granting a student's appeal to be re-enrolled in a course must notify the Admissions and Records Office in writing or through email. The Office will then officially re-enroll the student.

- "Withdrawal" grades may not be issued after the last day to drop a course for the semester, as noted in the Instructional Calendar.

Audit Policy

Registered students who wish to explore a new subject or revisit a previous interest for personal development can audit a course. Students must obtain approval from the instructor of the course and contact Admissions and Records to enroll. Students will be charged the current tuition rate for the course(s).

Academic Programs and Requirements

Specific degree and certificate requirements are outlined in program guides linked in this catalog. The following degrees are granted by John A. Logan College:

- **Associate in Applied Science (AAS Degree)**: The AAS Degree is awarded for the satisfactory completion of a prescribed curriculum intended to prepare individuals for employment in a specific field. Some AAS degree programs include coursework and requirements dictated by specialized accreditation or licensure by a state or national organization. Many health career programs have entrance requirements based on specific test scores, academic grades, and residency. AAS degree programs are often articulated as a package with select four-year institutions in specified bachelor degree programs including Two-plus-Two, Capstone, or Program-to-Program articulation agreements.
- **Associate in Arts (AA) Degree**: The AA Degree is intended to equate to the first two years of a four-year baccalaureate degree. An AA degree program includes the IAI transferable general education core curriculum (GECC) to satisfy the lower division general education requirements for a bachelor's degree at participating IAI institutions in Illinois. The program guides prepared for each AA degree program include the common lower division course recommendations/requirements for the corresponding bachelor's degree option at four-year institutions
- **Associate in Engineering Science (AES) Degree**: The AES Degree is aligned with the first two years of a baccalaureate degree in engineering. Unlike the AA degree, the AES does not include the full IAI GECC component. Completion of the GECC package should be an option after transferring to an IAI-participating institution.
- **Associate in Fine Arts (AFA) Degree**: The AFA Degree is aligned with the first two years of a baccalaureate degree in a fine arts area such as music or art. Unlike the AA degree, the AFA does not include the full GECC package. Completing the GECC package should be an option after transferring to an IAI-participating institution.
- **Associate in General Studies (AGS) Degree**: The intent of the AGS is to meet the unique needs and interests of students that cannot be met by another associate degree option. An AGS degree program is individually designed by mutual agreement between students and a college-appointed academic advisor. The courses selected may or may not be accepted by a four-year institution, and if accepted may or may not

be evaluated as applicable to a specific degree program or major. AGS candidates may be enrolled in a certificate program and find a need for earning an associate degree. Other AGS candidates may want to design a program providing a broad general education background.

- **Associate in Science (AS) Degree:** The AS Degree is intended to equate to the first two years of a four-year baccalaureate degree. An AS degree includes the IAI transferable general education core curriculum (GECC) but does not satisfy the lower division general education requirements for a bachelor's degree at participating IAI institutions in Illinois. An additional 3 credits of approved humanities or fine arts and 3 credits of social sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four-year institution. If taken at the four-year institution, students may send a transcript back to John A. Logan College and request a review of the IAI GECC package and the posting of "IAI GECC package completed" on the official transcript. The program guides prepared for each AS degree program include common lower division course recommendations/requirements for the corresponding bachelor's degree option at four-year institutions.
- **Certificate of Achievement:** The Certificate of Achievement prepares individuals for employment or advancement in various occupational specialties.

General Program Requirements

To be awarded an Associate in Applied Science (AAS), Associate in Arts (AA), Associate in Engineering Science (AES), Associate in Fine Arts (AFA), Associate in General Studies (AGS) or Associate in Science (AS) degree, a student must:

- complete at least twelve (12) semester hours of credit from John A. Logan College with an overall grade-point average of 2.0;
- satisfactorily complete all specific degree and credit hour requirements outlined on the appropriate curriculum guide;
- make application for graduation online by the application deadline set by Admissions and Records.

A student can only be awarded one Associate in Arts, Associate in Engineering Science, Associate in Fine Arts, or Associate in Science degree; however students can be awarded a combination of the above-mentioned degrees. A student can be awarded multiple Associate in Applied Science degrees if all requirements are met.

To be awarded a Certificate of Achievement, the student must:

- complete at least nine (9) semester hours of credit at John A. Logan College. If the certificate is less than fifteen (15) semester hours, three (3) semester hours of credit must be completed at John A. Logan College;

- satisfactorily complete all certificate program and credit hour requirements outlined on the appropriate curriculum guide with a 2.0 overall grade-point average; and
- make application for graduation online by the application deadline set by Admissions and Records.

To be awarded the General Education Core Curriculum (GECC) Credential, the student must:

- complete at least nine (9) semester hours of credit at John A. Logan College with an overall grade-point average of 2.0;
- satisfactorily complete all credential requirements as noted in the IAI General Education Package Requirements on the Illinois Articulation Initiative Transfer Portal (iTransfer.org).

The GECC credential will not be awarded if a student has already earned an Associate of Arts or Science degree.

Waiver of Academic Requirements

Institutional Responsibility: In order to maintain the integrity of the College's academic programs, special criteria for admission to certain courses and curricula must be set, minimum requirements for retention of student status must be defined, and requirements for completion of curricula and awarding degrees must be set. However, in recognition of the fact that there may be extenuating circumstances, appeals for waivers of specific graduation requirements may be made through a student's advisor to the Vice President for Instructional Services. All waivers of required courses in any college program and all authorizations for substituting certain courses in lieu of specific program requirements must be approved by the Vice President for Instructional Services. The vice president's written approval for the waiver must be filed with the Admissions and Records Office prior to the student's formal graduation check.

Student Responsibility: In order that academic requirements may be protected and applied effectively and reasonably, students have the right to request an exception to the requirements only in extenuating circumstances. Likewise, students are obligated to follow the appeal process.

Reverse Transfer: Students who transfer to a four-year institution prior to fulfilling the IAI GECC package and/or before earning an Associate Degree, may send an official transcript to John A. Logan College after completing coursework and ask for a review of IAI GECC and/or Associate Degree requirements. If all requirements are complete, students may submit an online graduation application and have the degree awarded.

Academic Calendar

Fall Session 2024
08/08/2024 - 08/09/2024: Convocation Days
08/12/2024: 16-Week and First 8-Week Classes Begin
09/02/2024: Labor Day - **No Classes**
09/09/2024: 12-Week Classes Begin
10/04/2024: End of First 8-Week Classes
10/07/2024: Second 8-Week Classes Begin
10/11/2024: JALC IEA Non-Instructional Day – **No Classes**
11/11/2024: Veterans Day - **No Classes**
11/25/2024 - 11/30/2024: Thanksgiving - **No Classes**
12/09/2024: End of 2nd 8-Week,12-Week, and 16-Week Classes
12/10/2024 - 12/13/2024: Final Exams
Winter Session 2024-2025
12/16/2024: Instruction Begins
01/13/2025: Instruction Ends
Spring Session 2025
01/09/2025: Professional Development Day
01/13/2025: 16-Week and First 8-Week Classes Begin
01/20/2025: Martin Luther King, Jr. Day - **No Classes**
02/03/2025: 12-Week Classes Begin
02/17/2025: Presidents' Day - **No Classes**
03/07/2025: End of First 8-Week Classes
03/10/2025 - 03/15/2024: Spring Break - **No Classes**
03/17/2025: Second 8-Week Classes Begin
04/218/2025: Good Friday - **No Classes**
05/12/2025: End of 2nd 8-Week,12-Week, and 16-Week Classes
05/13/2025 - 05/16/2025: Final Exams
05/16/2025: Commencement
Summer Semester 2025
05/29/2025: First 5-Week Classes Begins
05/26/2025: Memorial Day - **No Classes**
06/02/2025: 8-Week Classes Begin
06/17/2025: End of First 5-Week Classes
06/18/2025: Final Exams First 5-Week Classes
06/19/2025: Juneteenth - **No Classes**
06/23/2025: Second 5-Week Classes Begins
07/23/2025: End of 8-Week and Second 5-Week Classes
07/24/2025: Final Exams for 8-Week and Second 5-Week Classes

Higher Educational Opportunity Act

John A. Logan College is required to disclose certain consumer information as authorized by the Higher Education Opportunity Act. All information regarding Students Right to Know/Consumer Information can be found on the college webpage.

Rights Under the Family Educational Rights and Privacy Act: The Family Educational Rights and Privacy Act affords all students certain rights concerning their educational records.

These rights are as follows:

- the right to inspect and review the student's own educational records;
- the right to request the amendment of the educational records to ensure that they are not inaccurate, misleading, or otherwise in violation of the student's privacy or other rights;
- the right to consent to disclosures of personally identifiable information contained in the student's educational records, except to the extent that the law authorizes disclosure without consent;
- the right to file with the U. S. Department of Education a complaint concerning alleged failures by the College to comply with the requirements of the law; and the right to obtain a copy of the College's student records policy. FERPA Guidelines

Other Important Policies and Procedures for Students Attending John A. Logan College

- Student Disciplinary Action (**Administrative Procedure 827**)
- Student Appeals (**Administrative Procedure 832**)
- Removal from Campus - Student, Guest, or Employee (**Administrative Procedure 361**)
- Excused Student Absences (**Administrative Procedure 805)**
- Disabled Students (**Administrative Procedure 807)**
- Sexual Harassment (**Board Policies 3364**, **8317)**
- Sexual Harassment of Students **(Board Policy 8317)**
- Weapons and Firearms Policy (**Board Policy 3373**)
- Anti-Harassment Policy: Zero Tolerance for Violence or Threatening Behavior (**Board Policy 3372**)

Scheduling Options

Many of the College's courses have been approved to be offered in either a virtual or a hybrid format, which means that many programs have at least 50 percent of their courses available to be completed online. Consult with your academic advisor to choose the appropriate courses for the completion of your program.

Online courses enable students to customize learning to accommodate their time and location since the courses are taught primarily via the Internet rather than in the classroom.

Online courses are no less challenging or academically rigorous. The student will spend at least as much time, and possibly more, to be successful.

Online courses are not independent study courses. They are highly structured and include frequent interaction with the instructor and other students enrolled in the course. Students use the Internet for communicating with the instructor and other students, gaining access to course materials, conducting research, and submitting assignments. Although it is not necessary to have a high level of computer proficiency, the online student should have some computer experience navigating the Internet, using e-mail, and have the ability to use a word processing program. It is recommended students have access to consistent Internet access to be successful in online courses. The college does offer open lab hours but the availability is restricted by their operating hours.

Face-to-Face Courses

Face-to-face courses are held entirely in person on John A. Logan College premises. Instructors of face-to-face courses will often use D2L, the college's learning management system, to provide course materials and facilitate classroom work.

Virtual Courses

Virtual courses are any courses approved for online instruction that require no more than three visits to a campus or off-campus location during a semester. (Courses section numbers for virtual courses are V1, V2, etc.)

Hybrid

Hybrid courses are any courses approved for online instruction that require four or more visits to a campus or non-campus location during a semester. (Course section numbers for hybrid courses are H1, H2, etc.)

Textbooks and other materials may be ordered from the campus bookstore.

Academic Departments

All departments prepare students for transfer to four-year institutions. In addition, the departments have the following program goals:

Applied Technologies

The Applied Technologies Department offers occupational certificates and associate in applied science degrees designed to prepare students to enter the workforce. Many of our programs are accredited and offer workplace experience through internships. Our labs feature state-of-the-art equipment that students use to complete hands-on projects. Certain Associate in Applied Science (AAS) degrees may be considered transfer degrees. Articulation Agreements, Two plus Two Agreements, and Capstone Options are a few examples that spell out the opportunity for an AAS degree to fit into a four-year bachelor's degree program.

Communication, Humanities, Social Science

The Communication, Humanities, and Social Science Department prepares students to think clearly and critically so they can make informed decisions in their private and professional lives. It teaches them to participate effectively in the entire communication process (reading, writing, speaking, and listening). The study of literature prepares students to clarify their own values while developing an understanding of others' beliefs and an aesthetic awareness of life.

In the Humanities area, the College strives to expand students' awareness of, and sensitivity to, the human condition. By examining human needs, values, and achievements through the study of art, communication, languages, music, theater, and philosophy, students develop insights, critical thinking skills, and practical applications necessary for private and professional goals. The humanities help students define who they are and who they may become.

In the Social Science area, the College prepares students to understand the relationships between the individual and society, the process of human social evolution, and the institutions of complex societies. Students who major in the social sciences read primary and secondary sources in the social sciences, demonstrate knowledge of the basic concepts, models, and theories of the social sciences, and use the basic analytical methods and techniques of the social sciences. Students develop a critical analysis of the strengths and weaknesses of social science and an appreciation and understanding of human social and cultural diversity.

Life and Physical Science

The Life and Physical Science Department provides students with opportunities to acquire knowledge in a variety of science topics, including biology, chemistry, integrated science, physical science, and physics. In addition, the department offers courses in health and physical education.

The department strives to advance scientific literacy for general education opportunities, as well as for more specialized preparation for upper-level science, engineering, and health occupations.

Many of the courses in the Life and Physical Science Department include laboratory components where students have hands-on learning experiences to further advance scientific understanding and knowledge.

Business, Computer Science, and Mathematics

In the area of Business, the College strives to provide students with knowledge and skills to compete for entry-level jobs in the business world. The program also prepares business

students for job promotions, career advancements, and lifelong learning experiences in the business working environment and for transfer to four-year institutions.

Computer Information Systems provides the students with a range of curriculums that will provide students with opportunities for careers in computer forensics, cyber security, and information assurance, while also preparing the student to take industry-standard certification exams. John A. Logan College has been designated a National Center of Academic Excellence in Cyber Defense Two-Year Education (CAE2Y) by the National Security Agency (NSA) and the Department of Homeland Security (DHS). Therefore, graduates will be qualified for careers in federal, state, and local agencies.

Computer Science provides a solid foundation for students who are looking to transfer to a four-year institution. The classes have been articulated with many colleges and provide students with knowledge and skills in different programming languages. Students have an opportunity to develop their programming skills.

In the area of Mathematics, the College strives to emphasize the mathematical reasoning skills necessary to function in a technology-oriented society and workplace. Students can become quantitatively literate and capable of applying quantitative methods to real-life situations.

Additional Transfer Information

The College offers associate degree programs in the arts (AA), science (AS), fine arts (AFA), engineering science (AES) and arts in teaching (AAT). Students can complete the freshman and sophomore requirements for a specific major by following the appropriate curriculum guide.

Certain Associate in Applied Science (AAS) degrees may transfer to a four-year institution. Articulation Agreements, Two plus Two Agreements and Capstone Options offer students the opportunity for the AAS degree to a four-year bachelor degree program. Southern Illinois University (SIUC), for example, offers a Capstone Option for AAS degree program graduates. Eastern Illinois University (EIU) offers a Bachelor of Arts in General Studies (BGS) degree. Western Illinois University (WIU) also offers a Board of Trustees Bachelor of Arts in General Studies degree.

Each degree program has specific requirements articulated in the curriculum guide. Students should carefully select courses to ensure degree progress. The Academic Advisement Office and faculty advisors are available to help guide students, however, it is each student's responsibility to meet all degree requirements for graduation. Additionally, students are responsible for knowing all information provided in the College Catalog concerning regulations and requirements of the College and the specific program of study. Students planning to pursue a bachelor's degree should be familiar with any special requirements for the selected transfer institution. For instance, certain universities and even programs may require a grade of "C" or higher for certain courses in order to accept them for credit.

Students desiring to pursue pre-medicine, pre-law, pre-veterinary, pre-chiropractic, or other pre-professions career paths should consult with their academic advisor to select the appropriate courses for the field of study and anticipated transfer institution. The student's preference of senior institution may impact the courses and/or grades required for transfer coursework and admission to the professional program of study.

Illinois Articulation Initiative (IAI)

John A. Logan College is a participant in the Illinois Articulation Initiative (IAI), a statewide agreement that allows transfer of the completed Illinois General Education Core Curriculum (GECC) between participating institutions in Illinois. Completion of the transferable General Education Core Curriculum (GECC) at any participating college or university in Illinois assures transferring students that lower division general education requirements for an associate or bachelor's degree have been satisfied. This agreement is in effect for students who entered an associate- or baccalaureate-degree-granting institution in Illinois as first-time freshmen in the summer of 1998 (and thereafter).

IAI General Education Core Curriculum (GECC)

The minimum requirements established for the Illinois Transferable General Education Core Curriculum (GECC) are as follows:

- Communications
  3 courses (9 semester credits). The three courses should include a two-course (6 semester credits) sequence in writing and one course (3 semester credits) in oral communications. A grade of "C" or better is required in the two-course writing sequence.
- Mathematics
  1 course (3 to 5 semester credits).
- Physical and Life Sciences
  2 courses (7 or 8 semester credits). One course must be from the Physical Sciences, one must be from the Life Sciences, and one of these must be a laboratory course.
- Humanities and Fine Arts
  3 courses (9 semester credits). One course must be selected from the Humanities, one from the Fine Arts, and one from either the Humanities or Fine Arts.
- Social and Behavioral Sciences
  3 courses (9 semester credits). Courses must be selected from at least two different disciplines.

Accountability: Assessment of Student Learning Outcomes

John A. Logan College recognizes that assessment of student learning is central to its mission and has developed a systematic and purposeful process for the assessment of student learning based on five institutional learning outcomes.

Institutional Learning Outcomes

The faculty and staff of John A. Logan College are committed to providing students with opportunities to develop learning abilities that will last a lifetime. Graduates will be prepared to succeed in their personal and professional lives because of achieved competence in the following institutional learning outcomes:

1. **Communication**: Students express thoughts, ideas, and feelings in both written and oral modes.
2. **Critical Thinking**: Students apply a rational and methodical approach to problem solving based on use of appropriate evidence.
3. **Cultural and Global Awareness**: Students demonstrate an understanding of the influence of culture and society.
4. **Information Literacy**: Students locate, evaluate, retrieve, organize, create, and disseminate information.
5. **Quantitative Reasoning**: Students use and understand numbers to interpret, evaluate, and express information in quantitative terms.

Assessment at the Various Levels

In each course, student learning is assessed to evaluate their ability to achieve specific course objectives. These course level objectives may be aligned with broader Program Level Outcomes (PLOs). PLOs are categorized under Division Level Outcomes (DLOs), which in turn are mapped to Institutional Level Outcomes (ILOs). These ILOs are endorsed by both internal and external institutional stakeholders.

To learn more about assessment, visit the **JALC Assessment web page**.

Programs, Degrees, and Certificates

Educational Guarantees

JALC issues educational guarantees applicable to graduates of the Associate in Arts, Associate in General Studies, Associate in Fine Arts, Associate in Science, Associate in Engineering Science, Associate in Applied Science, and career certificate programs, subject to specific conditions and program approval. Transfer program guarantees assure the student that Illinois Articulation Agreement approved courses will transfer to the Illinois four-year public institution chosen by the student. Occupational guarantees assure the student and employer that a graduate has learned entry-level skills. Further information is available through the Admissions Office for programs covered by the educational guarantee.

Transfer Programs

Transfer programs are designed to allow students to transfer to a four-year college or university to complete a bachelor's degree. Transfer degrees include Associate in Arts and Associate in Science degrees. More details about each of these programs can be found below:

Associate in Arts

Below is a list of Associate in Arts programs with a link to a detailed program guide that provides course requirements and other important program information.

Program Name and Link to PDF	Type
Actuarial Science	Associate in Arts
Agribusiness Economics	Associate in Arts
Agriculture-Agricultural Mechanization	Associate in Arts
Agriculture-Agriculture Education	Associate in Arts
Agriculture-Animal Science	Associate in Arts
Agriculture-Crop Science and Soil Science	Associate in Arts
Agriculture-General Agriculture	Associate in Arts
Agriculture-Horticulture	Associate in Arts
Art	Associate in Arts
Art Education	Associate in Arts
Business	Associate in Arts
Business Education	Associate in Arts
Communication Studies	Associate in Arts
Criminal Justice	Associate in Arts
Early Childhood Education	Associate in Arts
Economics	Associate in Arts
Elementary Education	Associate in Arts
English	Associate in Arts
English Education	Associate in Arts
Environmental Resources and Geography	Associate in Arts
History	Associate in Arts
History Education	Associate in Arts
International Studies	Associate in Arts
Mathematics Education	Associate in Arts
Media Arts	Associate in Arts
Music	Associate in Arts
Physical Education/Kinesiology Teacher Education	Associate in Arts
Political Science	Associate in Arts
Pre-BSN	Associate in Arts
Pre-Law	Associate in Arts
Psychology	Associate in Arts
Social Work	Associate in Arts
Sociology	Associate in Arts
Special Education	Associate in Arts

Credit Hour Requirements for Associate in Arts Degree:

Group	AA Credit Hours
Communications	9
Humanities and Fine Arts	9
Mathematics	3
Social and Behavioral Sciences	9
Physical and Life Sciences	7-8
Major and General Electives	26+
Minimum Credits	63

The Associate in Arts General Degree Requirements Worksheet can be viewed by following this link: **Associate in Arts**.

See your specific curriculum guide for courses recommended for your area of study.

Associate in Science

Below is a list of Associate in Science programs with a link to a detailed program guide that provides course requirements and other important program information.

Program Name and Link to PDF	Type
Biological Science	Associate in Science
Chemistry	Associate in Science
Computer Science - Business Applications Track	Associate in Science
Computer Science - Traditional Track	Associate in Science
Mathematics	Associate in Science
Physics	Associate in Science
Pre-Chiropractic	Associate in Science
Pre-Pharmacy	Associate in Science
Pre-Physical Therapy	Associate in Science
Pre-Physician Assistant	Associate in Science
Pre-Professional Dental, Medicine, Optometry, Podiatry	Associate in Science
Pre-Veterinary Medicine	Associate in Science

Credit Hour Requirements for Associate in Science Degree:

Group	AS Credit Hours
Communications	9
Humanities and Fine Arts	6
Mathematics	3
Social & Behavioral Sciences	6
Physical and Life Sciences	7-8
Additional Math and Physical or Life Science Course	6
Major and General Electives	26
Minimum Credits	63

See your specific curriculum guide for courses recommended for your area of study.

The Associate in Science General Degree Requirements Worksheet can be viewed by following this link: **Associate in Science.**

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. The degree requirements as listed do not complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

Career & Technical Education Programs

Career & Technical Education Programs are designed to provide a credential (degree or certificate) that allows the student to begin a career upon graduation. Below is a list of Career & Technical Education programs with a link to a detailed program guide that provides course requirements and other important program information.

Program Name and Link to PDF	Type
Accounting	Associate in Applied Science
Administrative Assistant	Associate in Applied Science
Adult Cardiac Diagnostic Medical Sonography	Associate in Applied Science
Agribusiness Management	Associate in Applied Science
ASL/Deaf Studies	Associate in Applied Science
Auto Collision Technology	Associate in Applied Science
Automotive Services Technology	Associate in Applied Science
Biomedical Electronics Technology	Associate in Applied Science
Computer Forensics	Associate in Applied Science
Computer Information Systems	Associate in Applied Science
Computer Support & Networking	Associate in Applied Science
Construction Management Technology	Associate in Applied Science
Cosmetology	Associate in Applied Science
Criminal Justice	Associate in Applied Science
Cyber-Security/Information Assurance	Associate in Applied Science
Digital Media Technology	Associate in Applied Science
Early Childhood Education (Career)	Associate in Applied Science
Electrical Engineering Technology	Associate in Applied Science
Electronics Technology	Associate in Applied Science
Emergency Medical Services	Associate in Applied Science
Heating and Air Conditioning	Associate in Applied Science
Hospitality Management	Associate in Applied Science
Industrial Maintenance	Associate in Applied Science
Interpreter Preparation	Associate in Applied Science
Mechatronics Engineering Technology	Associate in Applied Science
Medical Laboratory Technology	Associate in Applied Science

Nursing - Associate Degree Nursing	Associate in Applied Science
Nursing (Hybrid Online) - Associate Degree Nursing	Associate in Applied Science
Nursing (Part-Time) - Associate Degree Nursing	Associate in Applied Science
Small Business Management	Associate in Applied Science
Surgical Technology	Associate in Applied Science
Welding Technology	Associate in Applied Science
Accounting	Certificate of Achievement
ASL/Deaf Studies	Certificate of Achievement
Auto Collision Technology – Master Certificate	Certificate of Achievement
Automotive Services Technology - Master Certificate	Certificate of Achievement
Biomedical Electronics Technician	Certificate of Achievement
Business Management	Certificate of Achievement
CNC Machinist	Certificate of Achievement
Computer Information Systems	Certificate of Achievement
Cosmetology	Certificate of Achievement
Dental Assisting	Certificate of Achievement
Early Childhood Education (Career)-Infant Toddler	Certificate of Achievement
Early Childhood Education Family Childcare	Certificate of Achievement
Emergency Medical Services	Certificate of Achievement
Heating and Air Conditioning	Certificate of Achievement
Hospitality Management Operations	Certificate of Achievement
Medical Assistant	Certificate of Achievement
Nursing - Practical Nursing	Certificate of Achievement
Nursing (5-Semester, Part-Time Option) - Practical Nursing	Certificate of Achievement
Personal Trainer	Certificate of Achievement
Auto Collision Technology – Basic Certificate	Certificate of Achievement - Short Term
Automotive Services Technology - Basic Certificate	Certificate of Achievement - Short Term
Automotive Services Technology - Hybrid/EV	Certificate of Achievement - Short Term
Computer Networking	Certificate of Achievement - Short Term
Cosmetology - Cosmetology Teacher Program	Certificate of Achievement - Short Term
Customer Service	Certificate of Achievement - Short Term
Director's Credential - Early Childhood Education	Certificate of Achievement - Short Term
Early Childhood Education (Career)-Gateways ECE Level 2	Certificate of Achievement - Short Term
Early Childhood Education (Career)-Gateways ECE Level 3	Certificate of Achievement - Short Term
Electronics Technician	Certificate of Achievement - Short Term
Home Performance Specialist	Certificate of Achievement - Short Term
Industrial PLC Systems	Certificate of Achievement - Short Term
Information System Technician	Certificate of Achievement - Short Term
Medical Clerk	Certificate of Achievement - Short Term
Nursing - Nursing Assistant	Certificate of Achievement - Short Term
Office Assistant	Certificate of Achievement - Short Term
Phlebotomy	Certificate of Achievement - Short Term
Surveying Technician	Certificate of Achievement - Short Term
Welding - Advanced SMAW (Stick)Welding Technology	Certificate of Achievement - Short Term
Welding - Basic GMAW (MIG)Welding Technology	Certificate of Achievement - Short Term
Welding - Basic GTAW (TIG)Welding Technology	Certificate of Achievement - Short Term
Welding - Basic SMAW (Stick)Welding Technology	Certificate of Achievement - Short Term
Welding Technology	Certificate of Achievement - Short Term

Associate in Engineering Sciences

Since completion of the A.E.S. degree does not complete the Illinois General Education Core Curriculum, students will need to complete the general education requirements of the school to which they transfer.

Program Name and Link to PDF	Type
Engineering - Chemical Engineering	Associate in Engineering Science
Engineering - Civil Engineering	Associate in Engineering Science
Engineering - Computer Engineering	Associate in Engineering Science
Engineering - Electrical Engineering	Associate in Engineering Science
Engineering - General Engineering	Associate in Engineering Science
Engineering - Industrial Engineering	Associate in Engineering Science
Engineering - Mechanical Engineering	Associate in Engineering Science

Associate in Fine Arts

Since completion of the A.F.A. degree does not complete the Illinois General Education Core Curriculum, students will need to complete the general education requirements of the school to which they transfer.

Program Name and Link to PDF	Type
Art Studio	Associate in Fine Arts
Music Education	Associate in Fine Arts
Music Performance	Associate in Fine Arts

Degree Worksheets and Program Guides

All degree worksheets and program guides are listed on the JALC website. Click the **link** to view the most updated guides.

JALC
www.jalc.edu

Associate in Arts Degree
in
Associate in Arts

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 240101
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, **MAT 125/CPS 202****, MAT 131, **MAT 201††**, **MAT 202†**, **MAT 209††**, **MAT 282†††**

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective	_____	_____
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

GENERAL ELECTIVES: Electives may include all courses with the following prefixes, as well as specific courses listed below:

AFS, AMS, ANT, ART, BIO, CHM, COM, CPS, EDC, EGR, FRE, GEO, GER, HIS, HTH, HUM, INT, LIT, MAT, MUS, PED*, PEDE, PHL, PHS, PHY, PSC, PSY, REC, SCI, SOC, SOCW, SPM, SPN, THE, and VOL

ACC..... 200, 201, 202
AGR..... 101, 102, 103, 104, 111, 112, 121, 122, 181
ASL..... 141, 142
BUS..... 110, 121, 222, 235
CIS..... 207
CRJ..... 103, 105, 218, 223
ECE..... 160, 245, 260
ECO..... 201, 202
ENG..... 101, 102, 103, 113
IDS..... 199
ITD..... 152, 200
MAT..... 108, 109, 111, 113, 116, 117, 120, 125**, 131, 201††, 202†, 205††, 208, 209††, 221***, 282†††

*No more than four (4) credit hours of PED courses may be used as general electives.
****Fall only, odd numbered years**
*****Spring only, even numbered years**
†Fall Only
††Spring only
†††Summer only

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in General Studies Degree
in
Associate in General Studies

Curriculum: AGS 1996
Minimum Hrs. 63
Major Code: 1.0 240102
Effective Date: Fall 2023

GENERAL EDUCATION (IAI, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum requires 12 to 13 courses. Courses selected to meet IAI GECCC requirements may also meet course requirements for a specific major.

The Associate in General Studies (AGS) degree represents a prescribed curriculum that has been individually designed by mutual agreement between the student and his/her academic advisor to meet the student's educational needs and interests. The AGS degree is neither designed as a transfer-oriented curriculum nor is it intended to provide career preparation similar to an AAS degree. Students interested in earning a four-year baccalaureate degree at a future date should consult with the transfer institution to determine the acceptability and applicability of courses and credits with the AGS degree.

The individualized AGS degree curriculum must include at least 63 semester credits. Each AGS program must include the 21-semester credit General Education Component. Courses selected to fulfill the General Electives Component must be selected from baccalaureate (PCS 1.1) and/or career education (PCS 1.2) courses. Students may use credits earned within a certificate program toward fulfilling the General Electives Component. In addition, no more than four (4) credit hours of APE or PED activity credit may be used toward the AGS degree.

The AGS Worksheet/Contract should be prepared and approved before completing 55 semester credits of college-level coursework. The AGS Worksheet/Contract is to be completed jointly by the student and his/her academic advisor. To qualify for the AGS degree, the student must meet the established general and degree requirements for earning an associate degree from John A. Logan College.

The curriculum guide for the AGS degree is outlined below:

GENERAL EDUCATION COMPONENT (21 credits)

The general education component of the AGS degree requires 21 credits. The minimum credit requirements for Groups I-V are listed below which total 18 credits. The remaining 3 credits can be fulfilled with 3 credits from any general education elective from Groups I-V.

Group I	Communications	6 credits
Group II	Humanities and Fine Arts	3 credits
Group III	Social and Behavioral Sciences	3 credits
Group IV	Physical and Life Sciences	3 credits
Group V	Mathematics	3 credits
One elective from Group I-V		3 credits
		21 credits

Group I Communications (6-9 CREDITS)

	Sem.	Grade
ENG 101 (3) or ENG 113 (3) (C grade or higher)	_____	_____
ENG 102 (3)	_____	_____
COM 115 (3) or COM 116 (3)	_____	_____

COM 116 is not an IAI GECC articulated course.

Group II Humanities and Fine Arts (3-6 credits)

	Sem.	Grade
Elective	_____	_____
Elective	_____	_____

IAI Fine Arts Electives

Art	ART 111, 220, 221, 291
Drama/Speech	THE 113
Literature	LIT 275
Music	MUS 105, 225

IAI Humanities Electives

Foreign Language	FRE 202, GER 202, SPN 202
History	HIS 101, 102, 213
Literature	LIT 210, LIT 230, 264, 280, 281, 284, 295
Philosophy	PHL 111, 121, 131, 200, 260, 265

Group III Social and Behavioral Sciences (3-6 credits)

	Sem.	Grade
Elective	_____	_____
Elective	_____	_____

IAI Social and Behavioral Science Electives

Anthropology	ANT 111, 202, 216
Economics	ECO 201, 202
Geography	GEO 112
History	HIS 103, 104, 201, 202, 223
Political Science	PSC 131, 211, 212, 289
Psychology	PSY 132, 200, 203, 262
Sociology	SOC 133, 220, 221, 250, 263, 264

Group IV Physical and Life Sciences (3-6 credits)

	Sem.	Grade
Elective	_____	_____
Elective	_____	_____

SCIENCE ELECTIVES

IAI Life Science Electives

Biology	BIO 100, 101, 105, 225
Interdisciplinary	SCI 101 with SCI 111, SCI 210A with SCI 210B
Life Science	SCI 215

IAI Physical Science Electives

Chemistry	141, 151
Interdisciplinary	SCI 101 with SCI 111, SCI 210A with SCI 210B
Physical Science	PHS 102, 103, 105, 106, 107
Physics	PHY 121, 155, 205

The following courses may be used as physical and life sciences electives for the AGS degree but are not articulated as IAI GECC courses.

	Sem.	Grade
BIO 205 (4)	_____	_____
BIO 206 (4)	_____	_____
BIO 226 (4)	_____	_____

Group V Mathematics (3-6 credits)

	Sem.	Grade
Elective	_____	_____
Elective	_____	_____

IAI Mathematics Electives

MAT 112,MAT 113 (3), MAT 116 (3), MAT 117 (4), MAT 119, MAT 120 (3), MAT 125 or CPS 202 (3),
MAT 131 (5), MAT 201 (5), Mat 202 (3), MAT 282 (3)

The following courses may be used as math electives for the AGS degree but are not articulated as IAI GECC courses.
BUS 111 (3), MAT 100 (3), MAT 104 (3), MAT 111 (5), MAT 108 (3)

GENERAL ELECTIVES COMPONENT (41-43 credits)

Courses selected to fulfill the General Electives Component must be selected from baccalaureate (PCS 1.1) and/or career education (PCS 1.2) courses. In addition, no more than four (4) credit hours of Ped activity credit may be used toward the AGS degree.

	Sem.	Grade
ORI 100 (1)		
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

This AGS Worksheet/Contract has been completed with the support of my academic advisor. Since a current and structured associate degree option at John A. Logan College will not meet my educational needs and interests, I am committing to pursue an individualized AGS degree program.

I understand that this contract cannot be changed without both my consent and the consent of my academic advisor.

A copy of this approved AGS Worksheet/Contract will be retained in my electronic student file.

STUDENT

First Name/Middle Initial/Last Name (*Please print*)

Identification Number

Signature Date

ACADEMIC ADVISOR

Signature Date

John A. Logan College reserves the right to modify these requirements as needed.
Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Science Degree (AS)

Transfer Curriculum 000AS 0087
Associate in Science: 63 Hrs. Min.
Major Code: 1.1 300101
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. The degree requirements as listed do not complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (2 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 209, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216, 240
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 and SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

Additional Associate in Science Degree Requirements
(Courses should be applicable to the desired major)

	Sem.	Grade
MAT Elective (1 course)	_____	_____
Physical or Life Science Elective (1 course)	_____	_____

	Sem.	Grade
ORI 100 (1)	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

GENERAL ELECTIVES: Electives may include all courses with the following prefixes, as well as specific courses listed below:

AFS, AMS, ANT, ART, BIO, CHM, COM, CPS, EDC, EGR, FRE, GEO, GER, HIS, HTH, HUM, INT, LIT, MAT, MUS, PED*, PEDE, PHL, PHS, PHY, PSC, PSY, REC, SCI, SOC, SOCW, SPM, SPN, THE, and VOL

ACC 200, 201, 202
AGR..... 101, 102, 103, 104, 111, 112, 121, 122, 181
ASL 141, 142
BUS 110, 121, 222, 235
CIS 207
CRJ 103, 105, 218, 223
ECE 160, 245, 260
ECO 201, 202
ENG 101, 102, 103, 113
IDS..... 199
ITD 152, 200, 205
LIN 101, 102
MAT .....108, 109, 111, 113, 116, 117, 120, 125**, 131, 201††, 202†, 205††, 208, 209††, 221***, 282†††

*No more than four (4) credit hours of PED courses may be used as general electives.
****Fall only, odd numbered years**
*****Spring only, even numbered years**
†Fall Only
††Spring only
†††Summer only

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Associate in Applied Science
in
Accounting

Career Curriculum 00ACC 0001
Minimum Hours: 61
Major Code: 1.2 520301
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
ACC	200	Financial Accounting I	3	_____
OFT	207	Computer Applications for Business	3	_____
ENG	101	English Composition I[1]	3	_____
MAT	113	or MAT 112 Introduction to Contemporary Mathematics OR MAT 108 College Algebra[2]	3-4	_____
IAI Humanities/Fine Arts Elective OR			3	_____
IAI Physical/Life Science Elective			16-17	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	105	Payroll Accounting	3	_____
ACC	201	Financial Accounting II	3	_____
BUS	111	Business Mathematics	3	_____
OFT	105	Current Operating Systems/Security	3	_____
PSC	131	American Government	3	_____
			15	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ACC	202	Managerial Accounting	3	_____
ACC	218	Tax Accounting	3	_____
OFT	104	Spreadsheet Design	3	_____
ECO	201	Introduction to Macroeconomics OR ECO 202 Introduction to Microeconomics	3	_____
COM	115	Speech OR COM 116 Interpersonal Communication	3	_____
			15	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	225	Integrated Accounting on Computers	3	_____
BUS	222	Legal and Social Environment of Business	3	_____
BUS	235	Business Communication	3	_____
CIS	220	Advanced Spreadsheet Design	3	_____
MGT	112	Principles of Management	3	_____
			15	

NOTES AND INFORMATION

Fall Only Courses:		Spring Only Courses:		
ACC	218	ACC	105	OFT 105
ACC	202	ACC	225	
		CIS	220	
		MGT	112	

[1]Requires a grade of "C" or higher.

Additional Information: This is a two-year accounting program designed to meet the needs of modern business and industry. Courses in the curriculum are aimed at developing habits of critical and logical thinking, as well as the ability to analyze, record, and interpret accounting data. Completion of the program leads to the Associate in Applied Science degree.

Career Opportunities: bookkeeper, professional tax preparer, accounting assistant, accounting clerk.

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JALC
www.jalc.edu

Certificate
in
Accounting

Career Curriculum: 00ACC 0063
Minimum Hours: 31
Major Code: 1.2 520301
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
ACC	200	Financial Accounting I	3	_____
MAT	113	Introduction to Contemporary Mathematics OR MAT 108 College Algebra OR BUS 111 Business Mathematics	3	_____
			7	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	105	Payroll Accounting	3	_____
ACC	201	Financial Accounting II	3	_____
			6	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ACC	202	Managerial Accounting	3	_____
ACC	218	Tax Accounting	3	_____
OFT	104	Spreadsheet Design	3	_____
COM	115	Speech OR COM 116 Interpersonal Communication	3	_____
			12	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	225	Integrated Accounting on Computers	3	_____
CIS	220	Advanced Spreadsheet Design	3	_____
			6	

NOTES AND INFORMATION

Fall Only Courses:

ACC 218
ACC 202

Spring Only Courses:

ACC 105
ACC 225
CIS 220

Additional Information: This program, composed largely of accounting courses, is designed for the student who desires to gain and/or increase skills in the area of accounting. Successful completion of the program will lead to the awarding of a certificate of achievement.

Career Opportunities: Accounting Clerk, Bookkeeping Clerk, Payroll Clerk.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and time lines of this document.

JALC
www.jalc.edu

Associate in Arts Degree
Toward a Bachelor's Degree in
Actuarial Science

Transfer Curriculum: 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 521304
Effective Date: Fall 2022

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech (3)	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective (3)	_____	_____
PHL 121 or Humanities Elective (3)	_____	_____
Humanities or Fine Arts Elective (3)	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 131 Calculus I (5)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
ECO 201 Macroeconomics (3)	_____	_____
ECO 202 Microeconomics (3)	_____	_____
Social Science Elective (3)	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216, 240
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202
Political Science: PSC 131, 211, 212, 213, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
IAI PHYSICAL/LIFE SCIENCES (2 COURSES)-7 CREDITS
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
PHY 205 University Physics or Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
MAT 201 Calculus II	_____	_____
MAT 202 Calculus III (3)	_____	_____
Foreign Language (8-16)	_____	_____
ACC 200 Financial Accounting I (3)	_____	_____
ACC 201 Financial Accounting II (3)	_____	_____
ACC 202 Managerial Accounting or		
Elective (3)	_____	_____

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Associate in Applied Science
Toward a Degree in
Administrative Assistant

Career Curriculum: 00BUS 0009
Minimum Hours: 64
Major Code: 1.2 520402
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
OFT	116	Keyboarding I[1]	3	
OFT	135	Office Language Skills	3	
ALH	217	Medical Terminology	3	
BUS	255	Customer Service	3	
OFT	207	Computer Applications for Business	3	
			16	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
OFT	117	Keyboarding II	3	
ENG	101	English Composition I[3]	3	
BUS	222	Legal/Social Environment of Business	3	
OFT	105	Current Operating Systems/Security	3	
MAT	113	OR MAT 112 Introduction to Contemporary Mathematics[2] OR BUS 111 Business Mathematics[2]	3	
			15	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
OFT	104	Spreadsheet Design	3	
OFT	110	Introduction to Word Processing	2	
BUS	235	Business Communication	3	
ECO	201	Introduction to Macroeconomics OR ECO 202 Introduction to Microeconomics	3	
Track 1 or Track 2 electives			6	
			17	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	100	Business Accounting OR ACC 200 Financial Accounting I	3	
OFT	120	Database Management	3	
COM	115	Speech[2] OR COM 116 Interpersonal Communication[2]	3	
IAI Humanities OR IAI Fine Arts Elective[4]			3	
Track 1 or Track 2 electives			4-6	
			16-18	

NOTES AND INFORMATION

Fall Only Courses:

BUS 255
HIT 206
BUS 282

Spring Only Courses:

OFT 270
OFT 280
OFT 237

OFT 105
MGT 112
OFT 120

[1] Proficiency exams are available for OFT 116 (requiring a production test as well as 40 wpm with no more than three errors on a three-minute straight-copy timing) and OFT 117 (requiring 55 wpm with no more than three errors on a three-minute straight-copy timing) for students entering the program with a sound background in keyboarding. See your advisor for information.

[2] Students pursuing the Health Care Management Capstone Option at SIUC or a baccalaureate degree at another institution should take MAT 113 and COM 115.

[3] Requires a grade of "C" or higher.

[4] Preferred IAI Humanities and Fine Arts electives: LIT 235, LIT 280, PHL 121, THE 113

Medical Office Administrative Assistant Required Electives-Track One

OFT	270	Medical Office Procedures	3	
ALH	101	Cardiopulmonary Resuscitation	1	
HIT	206	Medical Insurance & Billing Procedures	3	
OFT	280	Computer Applications for the Medical Office	3	

General Administrative Assistant Required Electives-Track Two

BUS	110	Introduction to Business	3	
OFT	237	Office Procedures	3	
BUS	282	Legal Terminology	3	
MGT	112	Principles of Management	3	

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Associate in Applied Science
in
Adult Cardiac Diagnostic Medical Sonography*

Career Curriculum 00DMS 0017
Minimum Hours: 72
Major Code: 1.2 510910
Effective Date: Summer 2023

FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
ALH	110	Issues in Health and Patient Care	3	
ENG	101	English Composition	3	
Any IAI Math		OR MAT 108 College Algebra	3-4	
			10-11	

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ALH	112	Pathophysiology and Terminology[1]	3	
PHY	121	Technical Physics OR PHS 105 Physics for Non-Science Majors	3	
SOC	133	Principles of Sociology OR PSY 132 General Psychology	3	
COM	115	Speech OR COM 116 Interpersonal Communications	3	
			12	

All of the above coursework must be completed before starting any Diagnostic Cardiac Sonography Specialization

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
DMS	104	Diagnostic Ultrasound Foundations[2]	3	
DMS	202	Cardiac Anatomy and Physiology[2]	4	
DMS	204	Cardiac Ultrasound Imaging/Lab I[2]	6	
DMS	206	Cardiac Ultrasound Clinic I[2]	3	
			16	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
DMS	200	Medical Physics and Instrumentation	5	
DMS	224	Cardiac Ultrasound Imaging/Lab II	6	
DMS	226	Cardiac Ultrasound Clinic II	6	
			17	

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
DMS	236	Cardiac Ultrasound Clinic III	5	
			5	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
DMS	230	Cardiac Seminar	2	
DMS	246	Cardiac Ultrasound Clinic IV	10	
			12	

NOTES AND INFORMATION

***Students must maintain a grade of "C" or higher in all courses**.

*Students must be certified for healthcare provider CPR at the start of the program and remain certified throughout the program.

[1] BIO 206 is a prerequisite or concurrent enrollment to ALH 112 recommend for Fall Semester. No prior credit will be given for BIO 206 Human Anatomy and Physiology II if this course was completed more than 5 years prior to program admittance or if the earned grade was lower than a "C."

[2] Students not meeting the minimum course requirements for DMS 104, DMS 200, DMS 202, DMS 204, DMS 206, DMS 224, and DMS 226 are required to enroll in 6DMS 230, Skill Enhancement, and 6DMS 232, Skill Enhancement. These courses are not required for graduation from this program and therefore are ineligible for Title IV Financial Aid funding.

Career Opportunities: Sonographers can choose to work in clinics, hospitals, private practice physician offices, public health facilities, laboratories, and other medical settings performing examinations in their areas of specialization.

Career advancement opportunities exist in education, administration, research, and in commercial companies as education/application specialists, sales representatives, and technical advisors.

The John A. Logan Adult Cardiac Diagnostic Medical Sonography Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon recommendation of the joint review committee on Education in Diagnostic Medical Sonography.

CAAHEP

9355 – 113th St. N., #7709

Seminole, FL 33775

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JALC
www.jalc.edu

Associate in Arts
in
Agribusiness Economics

Transfer Curriculum: 000AA 0086
Minimum Hours: 63
Major Code:1.1 010103
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATION (9 HOURS)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (9 HOURS)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature:. LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 117 (4) or MAT 131 (5) or MAT 120 (3) or MAT 119 or MAT 282 (3) or MAT 116 (3)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (9 HOURS)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
ECO 201 (3)	_____	_____
ECO 202 (3)	_____	_____
Social Science Elective (3)	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (7-8 HOURS)
One course must include a lab component.

	Sem.	Grade
BIO 101 (4) or Life Science Elective	_____	_____
CHM 141 (4) or CHM 151 (5) or Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
ACC 200 (3)	_____	_____
ACC 201 (3)	_____	_____
ACC 202 or Elective (3)	_____	_____
AGR 101 (3)	_____	_____
AGR 112 (3)	_____	_____
AGR or General Elective	_____	_____
AGR or General Elective	_____	_____
AGR or General Elective	_____	_____
AGR or General Elective	_____	_____

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Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

Associate in Applied Science
Toward a Degree in
Agribusiness Management

Career Curriculum AGR 2021
Minimum Hours: 60
Major Code: 1.2 010101
Effective Date: Fall 2021

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
ENG	101	English Composition I[1] or ENG 113 Professional Technical Writing[1]	3	_____
MAT	113	OR MAT 112 Introduction to Contemporary Mathematics or MAT 100	3	_____
AGR	101	Agricultural Economics	3	_____
AGR	112	Computers in Ag.	3	_____
AGR	161	Agribusiness Applications	2	_____
			15	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
AGR	102	Intro to Crops	4	_____
AGR	141	Agricultural Sales	3	_____
IAI Social/Behavioral Science Elective			3	_____
JALC CTE or Business Elective			3	_____
IAI AGE Elective			3	_____
			16	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
COM	115	Speech	3	_____
AGR	181	Precision Agriculture	3	_____
AGR	104	Intro to Soils	3	_____
JALC CTE or Business Elective			3	_____
IAI Phys/Life Sci. Elective OR IAI Fine Arts/Hum. Elec			3	_____
			15	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
JALC CTE or Business Elective			3	_____
AGR	121	Intro to Animal Science	4	_____
IAI AGR Elective			3	_____
AGR	151	Intro to Ag. Business Management	4	_____
			14	

NOTES AND INFORMATION

[1] Requires a grade of "C" or higher.

Electives

Possible AGR Electives - AGR 103, AGR 111, AGR 122
Possible JALC Electives - IDM 210, SRV 101, ELT 102, BUS 110, MGT 228, MKT 113, MKT 224, WEL 121, WEL 122

Career Opportunities: Agricultural Sales Managers and Sales Representatives, Farm and Ranch Managers and Natural Resource Managers

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Arts
in
Agriculture-Agricultural Mechanization

Transfer Curriculum: 000AA 0086
Minimum Hours: 63
Major Code: 1.1 010201
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATION (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113
IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 117 (4) or MAT 131 (5)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective	_____	_____
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credits and include a lab component.

	Sem.	Grade
BIO 100 (4) or BIO 101 (4) or BIO 102 (4) or Life Science Elective	_____	_____
CHM 141 (4) or CHM 151 (5)	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215
IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
AGR 101 (3)	_____	_____
AGR 112 (3)	_____	_____
AGR 121 (4) or AGR 102 (4)	_____	_____
MAT 120 (3) or MAT 282 (3)	_____	_____
ACC 200 (3)	_____	_____
ACC 201 (3)	_____	_____
PHY 155 (5)	_____	_____
Elective (3)	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Arts Degree
in
Agriculture- Agriculture Education

Transfer Curriculum: 000AA 0086
Minimum Hours: 63
Major Code: 1.1 31301
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
ART 111, or MUS 105 or THE 113 or Fine Arts Elective (3)	_____	_____
HIS 213 or PHL 200 or PHL 260 or Humanities Elective (3)	_____	_____
Humanities or Fine Arts Elective (3)	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 119 or MAT 120 or MAT 282 or MAT Elective (3)	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 209, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSY 132 or Social Science Elective	_____	_____
ANT 111 or ANT 216 or GEO 112 or Social Science Elective	_____	_____
HIS 103 or HIS 104 or Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
BIO 100 (4) or BIO 101 (4) or BIO 102 (4)	_____	_____
CHEM 141 (4) or CHM 151 (5) or Physical Science Elective	_____	_____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

Major & General Electives	Sem.	Grade
ORI 100 (1)	_____	_____
AGR 111 (3) Intro to Ag. Education	_____	_____
AGR 112 (3) Computers in Ag	_____	_____
EDC 202 (3) Hum. Growth, Dev. & Learning	_____	_____
EDC 203 (3) Schooling in a Div. Society	_____	_____
MAT 108 or MAT 116 or MAT 117 or MAT 131 or Elective (3-5)	_____	_____
AGR or General Elective	_____	_____
AGR or General Elective	_____	_____
AGR or General Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

Associate in Arts in Agriculture-Animal Science

Transfer Curriculum 000AA 0086
Minimum Hours: 63
Major Code: 1.1 010901
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATION (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
SPE 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 116(3) or MAT 117 (4) or MAT 120 (3) or MAT 131 (5) or MAT 282 (3)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective	_____	_____
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credits and include a lab component.

	Sem.	Grade
BIO 101 (4) or BIO 102 (4)	_____	_____
CHM 141 (4) or CHM 151 (5)	_____	_____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
AGR 112 (3)	_____	_____
AGR 121 (4)	_____	_____
CHM 142 (4) or CHM 152 (5)	_____	_____
CHM 201 (5) or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Arts
in
Agriculture-Crop Science and Soil Science

Transfer Curriculum 000AA 0086
Minimum Hours: 63
Major Code:1.1 011201
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATION (9 HOURS)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (9 HOURS)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113
IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 117 (4) or MAT 131 (5) or MAT 119 or MAT 120 (3) or MAT 282 (3) or MAT 116 (3)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (9 HOURS)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective (3)	_____	_____
Social Science Elective (3)	_____	_____
Social Science Elective (3)	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (7-8 HOURS)
One course must include a lab component.

	Sem.	Grade
BIO 102 (4) or Life science Elective	_____	_____
CHM 151 (5)	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215
IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
AGR 102 (4)	_____	_____
AGR 104 (3)	_____	_____
AGR 112 (3)	_____	_____
CHM 152(5) or General Elective	_____	_____
AGR Elective	_____	_____
AGR Elective	_____	_____
AGR Elective	_____	_____
General Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Arts
in
Agriculture-General Agriculture

Transfer Curriculum 000AA 0086
Minimum Hours: 63
Major Code: 1.1 010000
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATION (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113
IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 117 (4) or MAT 131 (5)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective	_____	_____
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credits and include a lab component.

	Sem.	Grade
BIO 100 (4)	_____	_____
CHM 141 (4) or CHM 151 (5)	_____	_____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
AGR 122 (3)	_____	_____
AGR 112 (3)	_____	_____
AGR 121 (4)	_____	_____
AGR 102 (4)	_____	_____
AGR 101 (3)	_____	_____
AGR 104 (3)	_____	_____
AGR 103 (3)	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Arts
in
Agriculture-Horticulture

Transfer Curriculum 000AA 0086
Minimum Hours: 63
Major Code:1.1 010699
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATION (9 HOURS)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (9 HOURS)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113
IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 117 (4) or MAT 131 (5) or MAT 119 or MAT 120 (3) or MAT 282 (3) or MAT 116 (3)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (9 HOURS)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
ECO 201 or Social Science Elective (3)	_____	_____
Social Science Elective (3)	_____	_____
Social Science Elective (3)	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (7-8 HOURS)
One course must include a lab component.

	Sem.	Grade
BIO 102 (4) or Life Science Elective	_____	_____
CHM 151 (5) or Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215
IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
AGR 103 (3)	_____	_____
AGR 112 (3)	_____	_____
CHM 152(5) or General Elective	_____	_____
General Elective	_____	_____
AGR Elective	_____	_____
AGR Elective	_____	_____
AGR Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Arts Degree in Art

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 500701
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
ART 220	_____	_____
ART 221	_____	_____
Humanities Elective	_____	_____

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT Elective	_____	_____

IAI Mathematics Electives:
MAT 112 or MAT 113, MAT 116, MAT 117, MAT 119 or MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSY 132 or Social Science Elective	_____	_____
SOC 133 or Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100	_____	_____
ART 101	_____	_____
ART 102	_____	_____
ART 180	_____	_____
ART 256	_____	_____
ART 223 or Elective	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Arts Degree in Art Education

Transfer Curriculum 000AA 0086
Minimum Hours: 63
Major Code: 1.1 131302
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
ART 220	_____	_____
ART 221	_____	_____
Humanities Elective	_____	_____

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSY 132	_____	_____
SOC 133	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Physical Science Elective	_____	_____
Life Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105,110, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100	_____	_____
ART 101	_____	_____
ART 102	_____	_____
ART 180	_____	_____
ART 256	_____	_____
EDC 202 or Elective	_____	_____
EDC 203 or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Fine Arts Degree
in
Art Studio

Transfer Curriculum 00AFA 2015
Associate in Fine Arts: 64 Hrs. Min.
Major Code: 1.1 500701
Effective Date: Fall 2023

IAI GECC RECOMMENDATIONS (27-39 semester credits)
Since completion of the A.F.A degree does not complete the Illinois General Education Core Curriculum, students will need to complete the general education requirements of the school to which they transfer.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)

	Sem.	Grade
ART 220	_____	_____
ART 221	_____	_____
Humanities Elective	_____	_____

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 112 OR MAT 113 or MAT Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSY 132 or SOC 133	_____	_____
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 64 hours for the degree. Students should select elective hours that will allow them to complete this 64-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
ART 101	_____	_____
ART 102	_____	_____
ART 180	_____	_____
ART 255	_____	_____
ART 256	_____	_____
ART 293	_____	_____
ART Elective*	_____	_____
ART Elective*	_____	_____
ART Elective *	_____	_____
ART Elective*		

MAJOR INFORMATION: Art Electives must be studio courses selected from at least two media, in consultation with the Art Advisor. Art Electives include ART 165, 250, 260, 290, 291, 292, and 296.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Applied Science
ASL/Deaf Studies

Career Curriculum IPP 2009
Minimum Hours: 66
Major Code: 1.2 161603
Effective Date: Spring 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
ENG	101	English Composition I[3]	3	_____
COM	170	Nonverbal Communication	3	_____
ASL	141	American Sign Language (ASL I)[1,2]	4	_____
MAT	113	or MAT 112 Introduction to Contemporary Mathematics*OR BUS 111 Business Mathematics	3	_____
ANT	216	Cultural Anthropology or SOC 221 Race and Ethnicity	3	_____
			17	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
BIO	100	Biology for Non-Science Majors	4	_____
ASL	142	American Sign Language (ASL II)[1,2]	4	_____
IPP	144	ASL Classifiers[4]	3	_____
IPP	151	Deaf Studies/Culture	3	_____
IPP	240	Fingerspelling and Numbers I[1]	3	_____
			17	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ASL	143	American Sign Language (ASL III)[1]	5	_____
IPP	211	ASL Linguistics I	3	_____
IPP	278	ASL Vocabulary Building I	3	_____
COM	115	Speech OR COM 116 Interpersonal Communication	3	_____
PSY	132	General Psychology	3	_____
			17	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
IPP	212	ASL Linguistics II	3	_____
ASL	244	ASL IV-Survey of ASL Literature[1]	5	_____
IPP	279	ASL Vocabulary Building II	3	_____
IPP	201	Introduction to Interpreting OR Elective	4	_____
			15	

NOTES AND INFORMATION

*Or any higher math course.

[1] A grade of "C" or higher is required in:
- ASL 141 American Sign Language (ASL I)
- ASL 142 American Sign Language (ASL II)
- ASL 143 American Sign Language (ASL III)
- ASL 244 ASL IV–Survey of ASL Literature

[2] Competency in American Sign Language communication ("C" or better in ASL 141 and 142) must be achieved before starting second year of classes.

[3] Requires a grade of "C" or higher.

[4] IPP 144 is taught every other year, during odd numbered years.

Career Opportunities: Teachers' assistant, tutor deaf and hard of hearing children and provide other support services for deaf and hard of hearing children, work as job coaches for deaf and hard of hearing adults, or work in any situation where skill in American Sign Language is required.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Certificate
in
ASL/Deaf Studies

Career Curriculum: IPP 0192
Minimum Hours: 34
Major Code: 1.2 161603
Effective Date: Spring 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
COM	170	Nonverbal Communication	3	
ASL	141	American Sign Language (ASL I)[1, 2]	4	
			8	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ASL	142	American Sign Language (ASL II)[1, 2]	4	
IPP	144	ASL Classifiers	3	
IPP	151	Deaf Studies/Culture	3	
			10	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ASL	143	American Sign Language (ASL III)[1]	5	
IPP	211	ASL Linguistics I	3	
			8	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
IPP	212	ASL Linguistics II	3	
ASL	244	ASL IV–Survey of ASL Literature[1]	5	
			8	

NOTES AND INFORMATION

[1] A grade of "C" or higher is required in:
- ASL 141 American Sign Language (ASL I)
- ASL 142 American Sign Language (ASL II)
- ASL 143 American Sign Language (ASL III)
- ASL 244 ASL IV–Survey of ASL Literature

[2] Competency in American Sign Language communication ("C" or better in ASL 141 and 142) must be achieved before starting second year of classes.

Additional Information: This certificate program is designed to train individuals to become competent using American Sign Language with the deaf and hard-of-hearing population. The program introduces students to the history, characteristics, and needs of the hard of hearing along with American Sign Language.

Career Opportunities: Graduates of this program would work in the public school system, kindergarten through twelfth grade, as teachers' assistants. Graduates of this program would also be able to tutor deaf and hard of hearing children and provide other support services for deaf and hard of hearing children, work as job coaches for deaf and hard of hearing adults, in rehabilitation facilities with deaf and hard of hearing persons, and in any situation where skill in American Sign Language is required. This program would also assist interpreters to improve their general interpreting skills by providing additional language training.

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JALC
www.jalc.edu

Associate in Applied Science
Toward a Degree in
Auto Collision Technology

Career Curriculum ACT 2004
Minimum Hours: 67
Major Code: 1.2 470603
Effective Date: Fall 2023

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.
ORI	100	College 101	1
MAT	100	Math for Applied Tech	3
ACT	101	Introduction to Collision Repair	7
ACT	111	Welding for Collision Repair	2
ACT	121	Plastic and Composite Repair	2
AST	282	Automotive HVAC	3
			18

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.
ACT	151	Structural Damage Repair	9
ACT	161	Damage Analysis	1
ACT	180	Detailing	2
ACT	181	Paint Protective Film	2
IAI Social and Behavioral Science Elective			3
			17

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.
ACT	201	Non-Structural Repair	2
ACT	211	Refinishing	2
ACT	221	Advanced Collision Repair Lab I	4
AST	283	Brakes, Steering, & Suspension II	3
AST	180	Electrical I	3
ENG	113	Professional Technical Writing[1]	3
			17

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.
ACT	251	Advanced Collision Repair	4
ACT	261	Advanced Collision Repair Lab II	5
COM	115	Speech	3
IAI Physical/Life Science			3
			15

OPTIONAL

Dept.	No.		Hrs.
AST	201	Hybrid Safety (Online)[2]	2[2]
AST	202	Hybrid/EV (Summer)[2]	3[2]

NOTES AND INFORMATION

[1] Requires a grade of "C" or higher.

[2] Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

Career Opportunities: Repair technician, insurance assessor, detailer, customer service manager.

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Certificate
in
Auto Collision Technology (Basic)

Career Curriculum ACT 2022
Minimum Hours: 25
Major Code: 1.2 470603
Effective Date: Fall 2023

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.
ACT	101	Introduction to Collision Repair	7
ACT	111	Welding for Collision Repair	2
ACT	121	Plastic and Composite Repair	2
			11

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.
ACT	151	Structural Damage Repair	9
ACT	161	Damage Analysis	1
ACT	180	Detailing	2
ACT	181	Paint Protective Film	2
			14

NOTES AND INFORMATION

Career Opportunities: Service Writer, Body Shop Estimator, Insurance Estimator, Auto Body Painter, Body Shop Manager, Collision Technician, Painter's Helper, Detailer, Body Shop Receptionist, Entry-Level Auto Body Metal Fabricator, Auto Body Shop Owner

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Certificate
in
Auto Collision Technology (Master)

Career Curriculum ACT 2023
Minimum Hours: 52
Major Code: 1.2 470603
Effective Date: Fall 2023

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.
ORI	100	College 101	1
ACT	101	Introduction to Collision Repair	7
ACT	111	Welding for Collision Repair	2
ACT	121	Plastic and Composite Repair	2
AST	282	Automotive HVAC	3
			15

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.
ACT	151	Structural Damage Repair	9
ACT	161	Damage Analysis	1
ACT	180	Detailing	2
ACT	181	Paint Protective Film	2
			14

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.
ACT	201	Non-Structural Repair	2
ACT	211	Refinishing	2
ACT	221	Advanced Collision Repair Lab I	4
AST	283	Brakes, Steering, & Suspension II	3
AST	180	Electrical I	3
			14

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.
ACT	251	Advanced Collision Repair	4
ACT	261	Advanced Collision Repair Lab II	5
			9

NOTES AND INFORMATION

Career Opportunities: Service Writer, Body Shop Estimator, Insurance Estimator, Auto Body Painter, Body Shop Manager, Collision Technician, Painter's Helper, Detailer, Body Shop Receptionist, Entry-Level Auto Body Metal Fabricator, Auto Body Shop Owner

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JALC
www.jalc.edu

Master Certificate
in
Automotive Services Technology

Career Curriculum 00AST 0052
Minimum Hours: 50
Major Code: 1.2 470604
Effective Date: Fall 2022

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
AST	100	Automotive Orientation and Safety	2	_____
AST	101	Automotive Maintenance & Light Repair	3	_____
AST	183	Brakes Steering and Suspension I	3	_____
AST	180	Electrical I	3	_____
ORI	100	College 101	1	_____
			12	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
AST	170	Engine Repair	3	_____
AST	171	Engine Performance I	3	_____
AST	190	Electrical II	3	_____
AST	191	Automotive Service Lab I	4	_____
			13	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
AST	261	Engine Performance II	3	_____
AST	282	Automotive HAVC	3	_____
AST	283	Brakes, Steering and Suspension II	3	_____
AST	291	Automotive Service Lab II	4	_____
			13	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
AST	201	Hybrid/EV History and Safety	2	_____
AST	202	Hybrid/EV Diagnostic and Service	3	_____
AST	290	Drivetrain Basics	3	_____
AST	292	Automotive Service Lab III	4	_____
			12	

NOTES AND INFORMATION

All students registered for Automotive Services Technology classes will be required to furnish a basic tool set. The set includes the following:

Drive Sockets (1/4" sq.)
(10) 6-pt Standard (5/32" through 1/2")
(10) 6-pt. Metric (4, 5, 5.5, 6 through 12 mm)
(1) Quick Release Ratchet
(1) Extension

Drive Sockets (3/8" sq.)
(9) 6-pt. or 12-pt. Standard (3/8" through 7/8")
(10) 6-pt. or 12-pt. Metric (10mm through 19mm)
(1) Ratchet
(1) Extension (3")
(1) Extension (6")

Drive Sockets (1/2" sq.)
(4) 6-pt. or 12-pt. Standard (15/16", 1", 1 1/16", 1 1/8")
(4) 6-pt. or 12-pt. Metric (21mm, 22mm, 24mm, 27mm)
(1) Ratchet
(1) Extension (3")

Wrenches (combination)
(7) Standard (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4")
(7) Metric (10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm)

Screwdrivers	Pliers	Additional Tools
(2) Slotted (1 small, 1 large)	(1) Slip Joint Pliers	(1) Hammer
(2) Phillips (1 small, 1 large)	(1) Diagonal Cutting	(1) Locking Tool Box

Additional Information: Principles of design and operation provide for an exact appreciation of the functions of automotive units. Coordinated laboratory work develops the ability to execute diagnostic tests and complete the repairs that are indicated. The curriculum prepares students for employment as line mechanics, diagnostic technicians, and industrial maintenance personnel, as well as shop managers, company technicians, factory representatives, or teachers.

Career Opportunities: Line mechanic, diagnostic technician, factory representative, factory technician, self-employment, automotive technician at dealerships, independent garages, automotive specialty shops, and parts-related businesses.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Basic Certificate
in
Automotive Services Technology

Career Curriculum 00AST 0054
Minimum Hours: 24
Major Code: 1.2 470604
Effective Date: Fall 2022

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
AST	100	Automotive Orientation and Safety	2	_____
AST	101	Automotive Maintenance & Light Repair	3	_____
AST	183	Brakes, Steering and Suspension I	3	_____
AST	180	Electrical I	3	_____
			11	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
AST	170	Engine Repair	3	_____
AST	171	Engineer Performance I	3	_____
AST	190	Electrical II	3	_____
AST	191	Automotive Service Lab I	4	_____
			13	

NOTES AND INFORMATION

All students registered for Automotive Services Technology classes will be required to furnish a basic tool set. The set includes the following:

Drive Sockets (1/4" sq.)
(10) 6-pt Standard (5/32" through 1/2")
(10) 6-pt. Metric (4, 5, 5.5, 6 through 12 mm)
(1) Quick Release Ratchet
(1) Extension

Drive Sockets (3/8" sq.)
(9) 6-pt. or 12-pt. Standard (3/8" through 7/8")
(10) 6-pt. or 12-pt. Metric (10mm through 19mm)
(1) Ratchet
(1) Extension (3")
(1) Extension (6")

Drive Sockets (1/2" sq.)
(4) 6-pt. or 12-pt. Standard (15/16", 1", 1 1/16", 1 1/8")
(4) 6-pt. or 12-pt. Metric (21mm, 22mm, 24mm, 27mm)
(1) Ratchet
(1) Extension (3")

Wrenches (combination)
(7) Standard (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4")
(7) Metric (10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm)

Screwdrivers	Pliers	Additional Tools
(2) Slotted (1 small, 1 large)	(1) Slip Joint Pliers	(1) Hammer
(2) Phillips (1 small, 1 large)	(1) Diagonal Cutting	(1) Locking Tool Box

Additional Information: Principles of design and operation provide for an exact appreciation of the functions of automotive units. Coordinated laboratory work develops the ability to execute diagnostic tests and complete the repairs that are indicated. The curriculum prepares students for employment as entry level oil change technician, tire service stores, as well as independent or self-employment garages.

Career Opportunities: self-employment, oil change shops, tire stores, independent garages, and part-related businesses.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Hybrid/EV Certificate
in
Automotive Services Technology

Career Curriculum 00AST 0056
Minimum Hours 5
Major Code: 1.2 470604
Effective Date: Fall 2022

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
AST	201	Hybrid/EV History and Safety	2	
AST	202	Hybrid/EV Diagnostic and Service	3	
			5	

NOTES AND INFORMATION

All students registered for Automotive Services Technology classes will be required to furnish a basic tool set. The set includes the following:

Drive Sockets (1/4" sq.)
(10) 6-pt Standard (5/32" through 1/2")
(10) 6-pt. Metric (4, 5, 5.5, 6 through 12 mm)
(1) Quick Release Ratchet
(1) Extension

Drive Sockets (3/8" sq.)
(9) 6-pt. or 12-pt. Standard (3/8" through 7/8")
(10) 6-pt. or 12-pt. Metric (10mm through 19mm)
(1) Ratchet
(1) Extension (3")
(1) Extension (6")

Drive Sockets (1/2" sq.)
(4) 6-pt. or 12-pt. Standard (15/16", 1", 1 1/16", 1 1/8")
(4) 6-pt. or 12-pt. Metric (21mm, 22mm, 24mm, 27mm)
(1) Ratchet
(1) Extension (3")

Wrenches (combination)
(7) Standard (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4")
(7) Metric (10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm)

Screwdrivers	Pliers	Additional Tools
(2) Slotted (1 small, 1 large)	(1) Slip Joint Pliers	(1) Hammer
(2) Phillips (1 small, 1 large)	(1) Diagonal Cutting	(1) Locking Tool Box

Additional Information: Principles of design and operation provide for an exact appreciation of the functions of automotive units. Coordinated laboratory work develops the ability to execute diagnostic tests and complete the repairs that are indicated. The curriculum prepares students for employment as technicians, factory representatives, or teachers with a specialization in hybrid and electric vehicle service.

Career Opportunities: Diagnostic technician, factory representative, factory technician, self-employment, automotive technician at dealerships, independent garages, automotive specialty shops, and parts-related businesses.

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Associate in Applied Science
Toward a Degree in
Automotive Services Technology

Career Curriculum 00AST 0004
Minimum Hours: 65
Major Code: 1.2 470604
Effective Date: Fall 2022

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
AST	100	Automotive Orientation and Safety	2	_____
AST	101	Automotive Maintenance & Light Repair	3	_____
AST	183	Brakes, Steering and Suspension I	3	_____
AST	180	Electrical I	3	_____
ORI	100	College 101	1	_____
MAT	100	Mathematics for Applied Technologies	3	_____
			15	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
AST	170	Engine Repair	3	_____
AST	171	Engine Performance I	3	_____
AST	190	Electrical II	3	_____
AST	191	Automotive Service Lab I	4	_____
		IAI Social Sciences or Humanities Fine Arts	3	_____
			16	

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
COM	115	Speech	3	_____
			3	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
AST	261	Engine Performance II	3	_____
AST	282	Automotive HVAC	3	_____
AST	283	Brakes, Steering and Suspension II	3	_____
AST	291	Automotive Service Lab II	4	_____
ENG	113	Professional Technical	3	_____
			16	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
AST	201	Hybrid/EV History and Safety	2	_____
AST	202	Hybrid/EV Diagnostic and Service	3	_____
AST	290	Drivetrain Basics	3	
AST	292	Automotive Service Lab III	4	_____
		IAI Physical/Life Science	3	_____
			15	

NOTES AND INFORMATION

All students registered for Automotive Services Technology classes will be required to furnish a basic tool set. The set includes the following:

Drive Sockets (1/4" sq.)
(10) 6-pt Standard (5/32" through 1/2")
(10) 6-pt. Metric (4, 5, 5.5, 6 through 12 mm)
(1) Quick Release Ratchet
(1) Extension

Drive Sockets (3/8" sq.)
(9) 6-pt. or 12-pt. Standard (3/8" through 7/8")
(10) 6-pt. or 12-pt. Metric (10mm through 19mm)
(1) Ratchet
(1) Extension (3")
(1) Extension (6")

Drive Sockets (1/2" sq.)
(4) 6-pt. or 12-pt. Standard (15/16", 1", 1 1/16", 1 1/8")
(4) 6-pt. or 12-pt. Metric (21mm, 22mm, 24mm, 27mm)
(1) Ratchet
(1) Extension (3")

Wrenches (combination)
(7) Standard (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4")
(7) Metric (10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm)

Screwdrivers	Pliers	Additional Tools
(2) Slotted (1 small, 1 large)	(1) Slip Joint Pliers	(1) Hammer
(2) Phillips (1 small, 1 large)	(1) Diagonal Cutting	(1) Locking Tool Box

Additional Information: Principles of design and operation provide for an exact appreciation of the functions of automotive units. Coordinated laboratory work develops the ability to execute diagnostic tests and complete the repairs that are indicated. The curriculum prepares students for employment as line mechanics, diagnostic technicians, and industrial maintenance personnel, as well as shop managers, company technicians, factory representatives, or teachers.

Career Opportunities: Line mechanic, diagnostic technician, factory representative, factory technician, self-employment, automotive technician at dealerships, independent garages, automotive specialty shops, and parts-related businesses.

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JALC
www.jalc.edu

Associate in Science Degree
in
Biological Science

Transfer Curriculum 000AS 0087
Associate in Science: 63 Hrs. Min.
Major Code: 1.1 260101
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. The degree requirements as listed do not complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four-year institution.

IAI COMMUNICATIONS (9 HOURS)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (6 HOURS)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective (3)	_____	_____
PHL 121 (3) or Humanities Elective (3)	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (3-5 HOURS)

	Sem.	Grade
MAT 282 (3) or MAT 131 (5) or MAT Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 120, MAT 119, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (6 HOURS)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
ECO 201 or Social Science Elective (3)	_____	_____
PSC 212 or GEO 112 or Social Science Elective (3)	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216, 240
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202
Political Science: PSC 131, 211, 212, 213, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 221, 250, 263, 264

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

Additional Associate in Science Degree Requirements
(Courses should be applicable to the desired major)

	Sem.	Grade
BIO 102 (4)	_____	_____
MAT 282 (3) or MAT Elective	_____	_____

	Sem.	Grade
ORI 100 (1) or SCI 100 (1)	_____	_____
CHM 152 (5)	_____	_____
CHM 201 (5) or General Elective	_____	_____
CHM 202 (5) or General Elective	_____	_____
PHY 155 (5) or General Elective	_____	_____
PHY 156 (5) or General Elective	_____	_____
Foreign Language Elective or General Electives (8)		

Biological Sciences program
When reference is made to Biology or Biological Sciences, a general degree program may be appropriate, or a more specialized biology track may best fit one's career interests. Plant Biology or Botany, Zoology, Biomedical Sciences (Pre-professional track for medicine, dentistry, podiatry, chiropractic), ecology and genetics are a few that are viewed as biology degree programs.

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IAI PHYSICAL/LIFE SCIENCES (7-8 HOURS)

One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
BIO 101 (4) or Life Science Elective	_____	_____
CHM 151 (5) or Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

Certificate
in
Biomedical Electronics Technician

Career Curriculum: 00ELT 3024
Minimum Hours: 32
Major Code: 1.2 150401
Effective Date: Fall 2023

FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
ELT	102	Basic Electricity and Wiring	4	
ELT	111	Digital Electronics I	3	
ELT	250	Biomedical Instrumentation II	3	
HIT	217	Medical Terminology I	3	
MAT	113	Intro to Contemporary Math or MAT 112 Intro to Contemporary Math with Integrated Review	3	
			17	

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	112	Digital Electronics II	3	
ELT	170	Biomedical instrumentation I	3	
ELT	215	IOT and Embedded Systems	3	
ELT	218	Introduction to Network Tech.	3	
ELT	280	Biomedical Instrumentation III	3	
			15	

NOTES AND INFORMATION

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JALC ELT Programs are education members of:

Association for the Advancement of Medical Instrumentation®
901 N. Glebe Road, Suite 300
Arlington, VA 22203

JALC
www.jalc.edu

Associate in Applied Science
Toward a Degree in
Biomedical Electronics Technology

Career Curriculum 00ELT 3023
Minimum Hours: 66
Major Code: 1.2 150401
Effective Date: Fall 2023

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
HIT	217	Medical Terminology I	3	
ELT	102	Basic Electricity and Wiring	4	
ELT	111	Digital Electronics I	3	
ENG	101	English Composition I or ENG 113 Professional Technical Writing	3	
MAT	113	or MAT 112 Introduction to Contemporary Mathematics	3	
			17	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	103	Applied DC/AC Circuits	4	
ELT	112	Digital Electronics II	3	
ELT	150	Applied Solid State Electronics	3	
ELT	170	Biomedical instrumentation I	3	
COM	115	Speech or COM 116 Interpersonal Communications	3	
			16	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ELT	151	Applied Solid State Circuits	3	
ELT	200	Introduction to Microprocessors	3	
ELT	214	Fundamentals of Computing Hardware	3	
ELT	250	Biomedical Instrumentation II	3	
PHY	121	Technical Physics	3	
IAI Social and Behavioral Science Elective			3	
			18	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	210	Supporting Computer Operating Systems	3	
ELT	215	IOT and Embedded Systems	3	
ELT	218	Introduction to Network Technologies	3	
ELT	220	Special Projects in Electronics	3	
ELT	280	Biomedical Instrumentation III	3	
			15	

NOTES AND INFORMATION

Fall only courses:

ELT 111 ELT 250
ELT 151
ELT 200
ELT 214

Spring only courses:

ELT 103 ELT 210 ELT 280
ELT 112 ELT 215
ELT 150 ELT 218
ELT 170 ELT 220

[1] Requires a grade of "C" or higher.

Additional Information: This two-year program is designed to provide a thorough understanding of DC/AC fundamentals, solid state electronics, digital electronics, microprocessor operations, and biomedical instruments. Upon completion of this program, the student will be awarded an associate degree in biomedical electronics technology. For students entering the program with prior education or on-the-job experience, it is possible to test out of the basic courses. For additional information, students should see their advisor or the chairperson of the Division of Applied Technologies.

Career Opportunities: Graduates of this program have career opportunities in entry level biomedical positions. Technicians install, use, maintain, and train healthcare personnel on cutting-edge medical technology. In addition, they support medical staff in the use of technology, help acquire medical equipment, coordinate vendor contracts and play a key role in investigating device related problems. The program also prepares students for the written portion of the Certified Biomedical Equipment Technician exam.

JALC ELT Programs are education members of:

AAMI

Association for the Advancement of Medical Instrumentation®
901 N. Glebe Road, Suite 300
Arlington, VA 22203

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Arts Degree in Business

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 520201
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
PHL 111 or Humanities Elective	_____	_____
PHL 121 or Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 117 (4)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
ECO 201 (3)	_____	_____
ECO 202 (3)	_____	_____
PSY 132 or SOC 133 or Social Science Elective (3)	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
ACC 200 (3)	_____	_____
ACC 201 (3)	_____	_____
ACC 202 (3) – Fall Only	_____	_____
BUS 121 (3)	_____	_____
BUS 222 (3)	_____	_____
MAT 116 or Elective (3)	_____	_____
CIS 207 or Elective (3)	_____	_____
BUS 235 or Elective (3)	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Arts Degree in Business Education

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs.
Major Code: 1.1 131303
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
PHL 111 or Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 116 or MAT 119 or MAT 120 (3)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
ECO 201	_____	_____
ECO 202	_____	_____
PSY 132	_____	_____

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100	_____	_____
ACC 200	_____	_____
ACC 201	_____	_____
ACC 202 – Fall Only	_____	_____
BUS 222	_____	_____
BUS 121, 110 or Elective	_____	_____
EDC 202 or Elective	_____	_____
EDC 203 or Elective	_____	_____
CIS 207 or Elective	_____	_____
Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
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Certificate
in
Business Management

Career Curriculum: BUS 2007
Minimum Hours: 37
Major Code: 1.2 520201
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
BUS	110	Introduction to Business	3	
BUS	235	Business Communication	3	
BUS	255	Customer Service	3	
ECO	201	Introduction to Macroeconomics OR ECO 202 Introduction to Microeconomics	3	
			13	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
BUS	222	Legal/Social Environment of Business	3	
OFT	207	Computer Applications for Business	3	
MGT	112	Principles of Management	3	
MGT	228	Small Business Management	3	
			12	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ACC	100	Business Accounting	3	
MAT	113	Introduction to Contemporary Mathematics OR BUS 111 Business Mathematics	3	
MKT	113	Principles of Marketing I	3	
MKT	130	Sales I	3	
			12	

NOTES AND INFORMATION

Fall Only Courses:

BUS 255
MKT 113
MKT 130

Spring Only Courses:

MGT 112
MGT 228

Career Opportunities: entry-level management positions in retail management, sales management, office management, and restaurant management; possible career opportunities within local, state, and federal government agency facilities.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Engineering Science Degree in Chemical Engineering

Transfer Curriculum AES 0096
Associate in Engineering Science:
68 Hrs. Min.
Major Code: 1.1 140701
Effective Date: Fall 2023

IAI GECC RECOMMENDATIONS (27-39 semester credits)
Since completion of the A.E.S degree does not complete the Illinois General Education Core Curriculum, students will need to complete the general education requirements of the school to which they transfer.

IAI INFORMATION: This guide follows the guidelines established by the IAI Engineering major Panel for an Associates in Engineering Science Degree. This guide is not designed to complete the full IAI GECC component. You will need to fulfill the remaining IAI GECC courses at your transfer institution.

FIRST SEMESTER (FALL)

Dept.	No.		Hrs.	Grade
MAT	131	Calculus I	5	
ENG	101	English Composition I	3	
CHM	151	Chemical Principles	5	
ECO	202	Microeconomics **or** Social Science Elective	3	
ORI	100	College 101 **or** SCI 100 STEM Fundamentals	1	
			17	

SECOND SEMESTER (SPRING)

Dept.	No.		Hrs.	Grade
MAT	201	Calculus II	5	
PHY	205	University Physics I	5	
CHM	152	Chemical Principles with Qualitative Analysis	5	
ENG	102	English Composition II	3	
			18	

THIRD SEMESTER (FALL)

Dept.	No.		Hrs.	Grade
MAT	202	Calculus III	3	
PHY	206	University Physics II	5	
CHM	201	Organic Chemistry I	5	
ECO	201	Macroeconomics **or** Social Science Elective	3	
			16	

FOURTH SEMESTER (SPRING)

Dept.	No.		Hrs.	Grade
MAT	205	Differential Equations	3	
CHM	202	Organic Chemistry II	5	
CPS	206	Computer Science I **or** Elective	4	
IAI Life Science Elective **or** Elective			3-4	
IAI Elective			3	
			18-19	

Consult with the transfer institution to determine if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

Fall Only Courses:
EGR 101 MAT 202
CHM 201 PHY 201
CPS 215 PHY 206

Spring Only Courses:
CHM 202 PHY 203
CPS 206 PHY 205
MAT 205 PHY 214/224
PHY 202

Recommended Social Science electives: ANT 111, ANT 202, ANT 216, GEO 112, SOC 215. For other IAI Social Science Electives, see below.

Recommended Humanities/Fine Arts Electives: HIS 103, HIS 104, HIS 213, LIT 284, LIT 295, PHL 121, PHL 200. For other IAI Humanities, see below.

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216, 240
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
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Associate in Science Degree
in
Chemistry

Transfer Curriculum 000AS 0087
Associate in Science: 63 Hrs. Min.
Major Code: 1.1 400501
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. The degree requirements as listed do not complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four-year institution.

IAI COMMUNICATIONS (9 HOURS)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher) (3)	_____	_____
ENG 102 (C grade or higher) (3)	_____	_____
COM 115 Speech (3)	_____	_____

IAI HUMANITIES AND FINE ARTS (6 HOURS)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective (3)	_____	_____
PHL 121 (3) or Humanities Elective (3)	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (5 HOURS)

	Sem.	Grade
MAT 131 (5)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (6 HOURS)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective (3)	_____	_____
Social Science Elective (3)	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216, 240
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202
Political Science: PSC 131, 211, 212, 213, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (9 HOURS)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
BIO 101 (4) or Life Science Elective	_____	_____
CHM 151 (5)	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

Additional Associate in Science Degree Requirements
(Courses should be applicable to the desired major)

	Sem.	Grade
MAT 201 (5)	_____	_____
PHY 205 (5) – Spring Only	_____	_____

	Sem.	Grade
ORI 100 (1) or SCI 100 (1)	_____	_____
CHM 152 (5)	_____	_____
CHM 201 (5)	_____	_____
CHM 202 (5)	_____	_____
BIO 102 (4) or Elective	_____	_____
MAT 119 (3) or MAT 120 (3) or	_____	_____
MAT 282 (3) or General Elective	_____	_____
Foreign Language or General Electives (8)	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Engineering Science Degree in Civil Engineering

Transfer Curriculum AES 0096
Associate in Engineering Science:
68 Hrs. Min.
Major Code: 1.1 140801
Effective Date: Fall 2023

IAI GECC RECOMMENDATIONS (27-39 semester credits)
Since completion of the A.E.S degree does not complete the Illinois General Education Core Curriculum, students will need to complete the general education requirements of the school to which they transfer.

IAI INFORMATION: This guide follows the guidelines established by the IAI Engineering major Panel for an Associates in Engineering Science Degree. This guide is not designed to complete the full IAI GECC component. You will need to fulfill the remaining IAI GECC courses at your transfer institution.

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101 **or** SCI 100 STEM Fundamentals	1	
MAT	131	Calculus I	5	
ENG	101	English Composition I	3	
CHM	151	Chemical Principles	5	
EGR	101	Engineering Graphics **or** Elective	3	
			17	

FIRST YEAR - SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MAT	201	Calculus II	5	
PHY	205	University Physics I	5	
CPS	206	Computer Science I **or** CHM 152 Chemical Principles w/Qualitative Analysis	4-5	
ENG	102	English Composition II	3	
			17-18	

SECOND YEAR - FALL SEMESTER

Dept.	No.		Hrs.	Grade
MAT	202	Calculus III	3	
PHY	206	University Physics II	5	
PHY	201	Statics	3	
ECO	201	Macroeconomics **or** Social Science Elective	3	
IAI Humanities/Fine Arts Elective			3	
			17	

SECOND YEAR - SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MAT	205	Differential Equations	3	
PHY	202	Dynamics	3	
PHY	203	Mechanics of Materials	4	
ECO	202	Microeconomics **or** Social Science Elective	3	
IAI Life Science Elective **or** Elective			3-4	
IAI Elective			3	
			19-20	

Consult with the transfer institution to determine if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

Fall Only Courses:

EGR 101	CPS 215
CHM 201	PHY 201
CPS 215	PHY 206

Spring Only Courses:

CHM 202	PHY 203
CPS 206	PHY 205
MAT 205	PHY 214/224
PHY 202	

Recommended Social Science electives: ANT 111, ANT 202, ANT 216, GEO 112, SOC 215. For other IAI Social Science Electives, see below.

Recommended Humanities/Fine Arts Electives: HIS 103, HIS 104, HIS 213, LIT 284, LIT 295, PHL 121, PHL 200. For other IAI Humanities, see below.

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216, 240
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
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Certificate
in
CNC Machinist

Career Curriculum: MAC 2014
Minimum Hours: 32
Major Code:1.2 480510
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
ELT	102	Basic Electricity and Wiring	4	
IDM	210	Hydraulics and Pneumatics	3	
WEL	115	Metallurgy	2	
MAC	200	Machine Tool Laboratory	4	
MFT	103	Industrial Robots and PLCs	3	
			17	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
IDM	120	Safety and Environmental Management	2	
MAC	154	Introduction to CNC	2	
MAC	159	CAM Operations	2	
MAC	180	Blueprint Reading	3	
MFT	201	PLC Manufacturing Systems	3	
WEL	124	GTAW (TIG) Welding I	3	
			16	

NOTES AND INFORMATION

All students registered for this program will be required to furnish a basic tool set. The set includes the following:

- Combination square (recommend: Starrett, Mitutoyo or Fowler)
- Micrometer set 1" & 2" (recommend: Starrett, Mitutoyo or Fowler) *optional*
- 6" dial calipers (recommend: Starrett, Mitutoyo or Fowler)
- Carbide tipped scribe
- Steel toed work boots/shoes
- Safety glasses with side shields
- 6" flexible rule
- Shop apron
- Ball end Allen wrench set (standard and metric)
- Red lead pencil, grease pencil, and fine tip Sharpie
- Tool box
- 25' tape measure
- Blue jeans (100% cotton)
- Long sleeve shirt (100% cotton)
- Leather welding gloves
- Channel lock pliers
- Composition notebook (qty 2)
- 3 ring binder with 1 package of tab dividers
- Scientific calculator (TI30XA or equivalent) *no programmable calculators*
- Digital multi-meter (DMM) must measure volts, ohms, and milli-amps
- Replacement fuses for meter
- 15 amp fuses (qty 4)
- Needle nose pliers
- Lineman's pliers
- Cable stripper
- #2 Phillips screwdriver
- ¼" standard screwdriver

Note: Cost varies from different suppliers.

Career Opportunities: Beginning salaries are comparable to other technical careers with many positions offering an opportunity for quick advancement. These positions can be found in our region and throughout the nation from manufacturing companies, industrial companies, government agencies, and the mining industry.

Upon completion of the CNC Machine Certificate program, a student may find employment as a machine tool operator/programmer, CNC machinist, lather operator, mill operator, or a general machinist. This program provides the student with an opportunity to start as a higher level in the work force with quick advancement within a company possible.

A job placement service is provided for all John A. Logan College graduates in an effort to assist students in finding gainful employment. Each year new graduates prepare or update resumes and submit them to the college Placement Office for review by potential employers.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Arts Degree
in
Communication Studies

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 090101
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
Math Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective	_____	_____
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 250, 221, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Geography: GEO 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
COM 116	_____	_____
COM 140	_____	_____
COM 200	_____	_____
COM 280	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Engineering Science Degree in Computer Engineering

Transfer Curriculum AES 0096
Associate in Engineering Science:
68 Hrs. Min.
Major Code: 1.1 140901
Effective Date: Fall 2023

IAI GECC RECOMMENDATIONS (27-39 semester credits)
Since completion of the A.E.S degree does not complete the Illinois General Education Core Curriculum, students will need to complete the general education requirements of the school to which they transfer.

IAI INFORMATION: This guide follows the guidelines established by the IAI Engineering major Panel for an Associates in Engineering Science Degree. This guide is not designed to complete the full IAI GECC component. You will need to fulfill the remaining IAI GECC courses at your transfer institution.

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101 **or** SCI 100 STEM Fundamentals	1	
MAT	131	Calculus I	5	
ENG	101	English Composition I	3	
CHM	151	Chemical Principles	5	
EGR	101	Engineering Graphics **or** Elective	3	
			17	

FIRST YEAR - SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MAT	201	Calculus II	5	
PHY	205	University Physics I	5	
CPS	206	Computer Science I	4	
ENG	102	English Composition II	3	
			17	

SECOND YEAR - FALL SEMESTER

Dept.	No.		Hrs.	Grade
MAT	202	Calculus III	3	
PHY	206	University Physics II	5	
CPS	215	Computer Science II	4	
ECO	201	Macroeconomics **or** Social Science Elective	3	
IAI Elective			3	
			18	

SECOND YEAR - SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MAT	205	Differential Equations	3	
PHY	214	Intro to Circuit Analysis **or** PHY 224 Electric Circuit Analysis w/Lab	3-4	
ECO	202	Microeconomics **or** Social Science Elective	3	
IAI Life Science Elective **or** Elective			3-4	
IAI Fine Arts/Humanities Elective			3	
			15-17	

Consult with the transfer institution to determine if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

Fall Only Courses:
EGR 101 CPS 215
CHM 201 PHY 201
CPS 215 PHY 206

Spring Only Courses:
CHM 202 PHY 203
CPS 206 PHY 205
MAT 205 PHY 214/224
PHY 202

Recommended Social Science electives: ANT 111, ANT 202, ANT 216, GEO 112, SOC 215. For other IAI Social Science Electives, see below.

Recommended Humanities/Fine Arts Electives: HIS 103, HIS 104, HIS 213, LIT 284, LIT 295, PHL 121, PHL 200. For other IAI Humanities, see below.

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216, 240
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and time lines of this document.

Associate in Applied Science
Toward a Degree in
Computer Forensics

Career Curriculum CIS 2012
Minimum Hours: 71
Major Code: 1.2 111003
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
CIS	208	Security Awareness	3	
CIS	230	Operating Systems	3	
CRJ	103	Introduction to Criminal Justice	3	
CRJ	105	Criminal Behavior	3	
MAT	120	Elementary Statistics or MAT 119 Elementary Statistics with Integrated Review[3]	3	
			16	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	200	Network Essentials	3	
CIS	171	Intro to Scripting	4	
CIS	206	Managing Network Environment I	3	
OFT	207	Computer Applications for Business	3	
CIS	209	Introduction to Cybercrimes	3	
ENG	101	English Composition I OR ENG 113 Professional Technical Writing*	3	
			19	

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
PHL	121	Introduction to Logic	3	
IAI Social & Behavioral Science Elective[2]			3	
			6	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CIS	216	Cloud Technology[1]	3	
CIS	219	Ethical Hacking[1]	3	
CRJ	209	Criminal Law	3	
ELT	214	Fundamentals of Computing Hardware	3	
CIS	229	Digital Forensics[1]	3	
			15	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	213	Penetration Testing[1]	3	
CIS	231	VPNs and Firewalls	3	
CRJ	205	Investigation Techniques	3	
ELT	218	Intro to Network Technologies[1]	3	
COM	115	Speech OR COM 116 Speech Interpersonal Communication	3	
			15	

NOTES AND INFORMATION

Fall Only Courses:

ELT 214 CRJ 209
CIS 229
CIS 216
CIS 219

Spring Only Courses:

CIS 231 CIS 213
CIS 209
ELT 218
CRJ 205

*Requires a grade of "C" or higher.

[1] These courses have a prerequisite.

[2] PSY 132 is recommended.

[3] Or any higher level MAT course

Career Opportunities: This degree is for students that want to work in a computer forensics environment with electronic devices that may hold evidence that could be used in a court of law. The extent of the analyses could be as simple as a personal computer or as complex as a main server for a large corporation. Preparation for COMPTIA certifications can be obtained through this degree. Graduates will be qualified for careers in computer forensics in federal, state and local agencies, law enforcement organizations, and in the private sector.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Applied Science
Toward a Degree in
Computer Information Systems

Career Curriculum CIS 0400
Minimum Hours: 62
Major Code: 1.2 110103
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
CIS	200	Network Essentials	3	
CIS	206	Managing Network Environment I	3	
OFT	207	Computer Application for Business	3	
ENG	101	English Composition I[1] OR ENG 113 Professional Technical Writing[1]	3	
MAT	120	Elementary Statistics or MAT 119 Elementary Statistics with Integrated Review OR BUS 111 Business Mathematics[4]	3	
			16	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	100	Business Accounting OR ACC 200 Financial Accounting I	3	
OFT	120	Database Management	3	
CIS	208	Security Awareness	3	
CIS	209	Introduction to Cybercrimes	3	
CIS	230	Operating Systems	3	
			15	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
BUS	110	Introduction to Business	3	
OFT	104	Spreadsheet Design	3	
CIS	216	Cloud Technology[3]	3	
CIS	171	Introduction to Scripting	4	
PHL	121	Introduction to Logic	3	
			16	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	220	Advanced Spreadsheet Design[3]	3	
CIS	231	VPNs and Firewalls	3	
ECO	201	Introduction to Macroeconomics OR ECO 202 Introduction to Microeconomics	3	
COM	115	Speech OR COM 116 Interpersonal Communication	3	
Elective[2]			3	
			15	

NOTES AND INFORMATION

Fall Only Courses:
CIS 200 CIS 216
CIS 206 CIS 225

Spring Only Courses:
CIS 209 CIS 231
CIS 220

*OFT 115 or equivalent is a recommended prerequisite for this program. Students who do not meet prerequisite should take OFT 115 their first semester of enrollment.

Students planning to capstone with SIU should follow the appropriate capstone curriculum guide.

[1] Requires a grade of "C" or higher.

[2] Students may choose electives from the following classes: CIS 213 Penetration Testing OR ELT 218 Introduction to Network Technologies

[3] These courses have a prerequisite.

[4] Or any higher level MAT course

Career Opportunities: This degree is for students that want to work in a computer environment and work with computer applications as well as administer a network. This degree will concentrate more on computer applications and networking than on business office practices. Preparation for MOS certifications can be obtained through this degree. This degree will also capstone to SIU through Information Systems Technologies and Health Care Management.

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Certificate
in
Computer Information Systems

Career Curriculum: CIS 0401
Minimum Hours: 34
Major Code: 1.2 110401
Effective Date: Fall 2024

FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
CIS	200	Network Essentials	3	
CIS	206	Managing Network Environment I	3	
OFT	207	Computer Application in Business	3	
ENG	101	English Composition I[1] OR ENG 113 Professional Technical Writing[1]	3	
MAT	120	Elementary Statistics or MAT 119 Elementary Statistics with Integrated Review OR BUS 111 Business Mathematics	3	
			16	

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	100	Business Accounting OR ACC 200 Financial Accounting I	3	
OFT	104	Spreadsheet Design		
OFT	120	Database Management	3	
CIS	208	Security Awareness	3	
CIS	209	Introduction to Cybercrimes	3	
CIS	230	Operating Systems	3	
			18	

NOTES AND INFORMATION

[1] Requires a grade of "C" or higher.

Career Opportunities: Upon successful completion of this program, students will have the minimum skills necessary to maintain an existing small business information system; perform the duties necessary to enter, store, retrieve, transfer, update, and maintain computerized information; and possess the required technical knowledge to ensure the proper care of equipment and software.

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Certificate
in
Computer Networking

Career Curriculum: CIS 1206
Minimum Hours: 24
Major Code: 1.2 110202
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
OFT	120	Database Management	3	
CIS	200	Network Essentials	3	
CIS	206	Managing Network Environments I	3	
ELT	214	Fundamentals of Computing Hardware	3	
			12	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	208	Security Awareness	3	
CIS	230	Operating Systems	3	
ELT	210	Supporting Computer Operating Systems	3	
ELT	218	Introduction to Networking Technologies	3	
			12	

NOTES AND INFORMATION

Fall Only Courses:

CIS 200
CIS 206
ELT 214

Spring Only Courses:

ELT 210
ELT 218

Upon completion, students can sit for the following standard exams: CompTia A+, Net+, Security+.

Career Opportunities: Upon successful completion of this certificate, the student will be prepared to design, repair, and maintain a computer system as well as troubleshoot and administer a network.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Science Degree
in
Computer Science
Business Applications Track

Transfer Curriculum 000A5 0087
Associate in Science: 63 Hrs. Min.
Major Code: 1.1 110701
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. The degree requirements as listed do not complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
PHL 121 or Humanities Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 125 (3) or IAI MAT Elective	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
ECO 201 or Social Science Elective	_____	_____
ECO 202 or Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES) 7-8 HOURS
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
BIO 101 (4) or Life Science Elective	_____	_____
PHY 155 (5) or Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

Additional Associate in Science Degree Requirements:
(Courses should be applicable to desired degree)

PHY 155 (5)	_____	_____
MAT 131 (5)	_____	_____

	Sem.	Grade
ORI 100 (1)	_____	_____
CPS 206 (4) **(spring semester course)**	_____	_____
CPS 215 (4) **(fall semester even number years)**	_____	_____
MAT 119 (3) or MAT 120 or Elective	_____	_____
PHY 156	_____	_____
BIO 105, 110 or Elective	_____	_____
Elective	_____	_____

NOTE: Students beginning this program in even number years, fall semester, may take a math elective as a substitution for CPS 215.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Science Degree
in
Computer Science
Traditional Track

Transfer Curriculum 000AS 0087
Associate in Science: 63 Hrs. Min.
Major Code: 1.1 110701
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. The degree requirements as listed do not complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
PHL 121 or Humanities Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 131 (5)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
ECO 201 (3) or Social Science Elective	_____	_____
ECO 202 (3) or Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216, 240
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202
Political Science: PSC 131, 211, 212, 213, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
BIO 101 (4) or Life Science Elective	_____	_____
PHY 205 (5) – Spring Only	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

Additional Associate in Science Requirements:
(Courses should be applicable to desired major)

PHY 206 (5) – Fall Only or Physical or Life Science Elective	_____	_____
MAT 201 (5) or MAT 125 (3) or MAT Elective	_____	_____

	Sem.	Grade
ORI 100 (1)	_____	_____
CPS 206 (4) **(spring semester course)**	_____	_____
CPS 202/MAT 125 (3) **(fall semester odd num. years)** or Elective	_____	_____
CPS 215 (4) **(fall semester in even num. years)**	_____	_____
MAT 201 (5) or General Elective	_____	_____
MAT 221 (3) **(spring semester even num. years)** or Elective	_____	_____
CHM 151 (5) or General Elective	_____	_____
CHM 152 (5) or General Elective	_____	_____

NOTE: Students beginning this program in even number years, fall semester, may take MAT 202 or MAT 205 as a substitution for CPS 215.

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Associate in Applied Science
Toward a Degree in
Computer Support & Networking

Career Curriculum 00ELT 3015
Minimum Hours: 62
Major Code: 1.2 470104
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
CIS	200	Network Essentials	3	
CIS	206	Managing Network Environments I[2]	3	
ELT	102	Basic Electricity and Wiring	4	
ELT	111	Digital Electronics I	3	
MAT	113	or MAT 112 Introduction to Contemporary Mathematics	3	
			17	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	208	Security Awareness	3	
ELT	180	Ethics in Technology	3	
ELT	150	Applied Solid State Electronics[4]	3	
ELT	112	Digital Electronics II	3	
PHY	121	Technical Physics	3	
			15	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ELT	222	Applications of Artificial Intelligence	3	
ELT	200	Introduction to Microprocessors	3	
ELT	214	Fundamentals of Computing Hardware	3	
ENG	101	English Composition I[1] OR ENG 113 Professional Technical Writing	3	
COM	115	Speech OR COM116 Interpersonal Communication	3	
			15	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	213	Penetration Testing[1]	3	
ELT	210	Supporting Computer Operating Systems	3	
ELT	215	IOT and Embedded Systems[1]	3	
ELT	218	Introduction to Network Technologies	3	
IAI Social and Behavioral Science Elective			3	
			15	

OPTIONAL:
INT 101 Internship 1-4 hours[3]

NOTES AND INFORMATION

Fall Only Courses:

ELT 111 ELT 222
ELT 214
ELT 200

Spring Only Courses:

CIS 213 ELT 215
ELT 112 ELT 210
ELT 150 ELT 218
ELT 180

[1] Requires a grade of "C" or higher.

[2] These courses have a prerequisite.

[3] Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

[4] MFT 103 (Fall) may be taken as a substitute for ELT 150 (Spring)

Career Opportunities: Entry-level IT Technician, Entry-level IT Security, PC Repair Person, Wireless Network Administrator, Entry-Level Wireless Network Security Administrator, Entry-level Server Administrative Network Technician.

JALC ELT Programs are education members of:

Institute of Electrical and Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08854

Association for Computing Machinery
1601 Broadway, 10th Floor
New York, NY 10019-7434

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JALC
www.jalc.edu

Associate in Applied Science
Toward a Degree in
Construction Management Technology

Career Curriculum 00CMG 0033
Minimum Hours: 70
Major Code: 1.2 522001
Effective Date: Fall 2022

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
CMG	100	Construction Orientation	1	
CMG	104	Building Layout	4	
CMG	110	Structural Framing I	4	
ENG	101	English Composition I[1] OR	3	
ENG 113 Professional Technical Writing[1]				
MAT	113	OR MAT 112 Introduction to Contemporary	3	
Mathematics OR			16	
MAT 100 Mathematics for Applied Technologies				

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CMG	105	Estimating Techniques	3	
CMG	107	Construction Document Interpretation	3	
CMG	108	Construction Materials	4	
CMG	111	Structural Framing II	3	
IAI Social and Behavioral Science Elective			3	_____
COM	115	Speech OR COM 116	3	_____
		Interpersonal Communication	19	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
Business Elective[2]			3	_____
CMG	207	Construction Administration	2	_____
CMG	208	Processes in Estimating	3	_____
CMG	211	Commercial Construction	3	_____
CMG	220	Construction Scheduling	3	_____
PHY	121	Technical Physics	3	_____
			17	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CMG	209	Environmental Systems	3	_____
CMG	212	Construction Business Management	3	_____
CMG	215	Green Building in the 21st Century	3	_____
CMG	218	CAD for Construction	3	_____
CMG	221	Land Development	3	_____
CMG	226	Statics for Structures	3	_____
			18	

OPTIONAL

Dept.	No.		Hrs.	Grade
INT	101	Internship[3]	1-3	_____

NOTES AND INFORMATION

[1] Must be completed with a "C" or higher.

[2] Business Electives: ACC 100, ACC 200, BUS 110, BUS 222, CIS 101, ECO 201, ECO 202

[3] Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

Additional Information: Students interested in or pursuing an Associate in Applied Science (AAS) degree should investigate the Capstone Option and participating majors at SIUC. Individuals who apply and are approved for a degree program under Capstone are able to earn a bachelor's degree in just 60 semester credits beyond the AAS degree. The general education or University Core Curriculum requirement for majors under Capstone is set at 30 semester credits rather than 41.

One of the Capstone options available to Construction Management Technology degree holders is a major in Technical Resource Management (TRM) which can lead to a bachelor's degree with an emphasis in Construction Management.

For Capstone Option consideration and approval, candidates must submit a Capstone Option application along the Undergraduate Admission application, must earn the AAS degree and must have an earned GPA of at least 2.5 (A= 4.0). Approval means that you can complete bachelor's degree requirements in just 60 planned semester credits beyond the AAS degree.

Career Opportunities: Cost engineer; field engineer; project coordinator; construction manager; project manager; office engineer; scheduler; estimator; safety inspector.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Applied Science
Toward a Degree in
Cosmetology

Career Curriculum 00COS 0007
Minimum Hours: 65
Major Code: 1.2 120401
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
COS	101	Cosmetology Theory I[1]	6	
COS	111	Cosmetology Laboratory I[1]	11	
			18	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
COS	102	Cosmetology Theory II[1]	5	
COS	112	Cosmetology Laboratory II[1]	11	
			16	

FIRST YEAR - SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
COS	113	Cosmetology Lab III[1]	4	
COS	114	Cosmetology Internship[1]	2	
			6	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
PSC	131	American Government OR HIS 201 United States History I OR HIS 202 United States History II	3	
PSY	132	General Psychology	3	
COM	115	Speech	3	
MAT	113	OR MAT 112 Introduction to Contemporary Mathematics*[2] OR MAT 120 Elementary Statistics[2] OR BUS 111 Business Mathematics	3	
			12	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	100	Business Accounting	3	
BIO	100	Biology for Non-Science Majors	4	
OFT	207	Computer Applications	3	
ENG	101	English Composition I[1, 2]	3	
			13	

NOTES AND INFORMATION

* Or any higher math course.

[1] Requires a grade of "C" or higher.

[2] Recommended for transfer students. Students transferring to SIU-C's WED program must take ENG 101 and MAT 113 or MAT 120.

Additional Information:

The Cosmetology Program is designed to give students thorough training in the arts, skills, and applied sciences that deal with adornment through care and treatment of the hair, nails, and skin.

The Cosmetology Program meets the standards of the Department of Financial and Professional Regulation-Division of Professional Regulation, State of Illinois, in total hours, teaching staff, equipment, facilities, library, and course content.

Graduates are prepared for licensure by the Department of Financial and Professional Regulation-Division of Professional Regulation, State of Illinois, upon passing the Illinois Cosmetology examination. This qualifies the graduate for employment and an Associate in Applied Science degree.

Career Opportunities: Cosmetologist, salon owner, salon manager, manicurist/pedicurist/nail technician, hairstylist/hair dresser, sales representative.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Certificate
in
Cosmetology

Career Curriculum: 00COS 0056
Minimum Hours: 40
Major Code: 1.2 120401
Effective Date: Fall 2023

FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
COS	101	Cosmetology Theory I[1]	6	
COS	111	Cosmetology Laboratory I[1]	11	
			18	

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
COS	102	Cosmetology Theory II[1]	5	
COS	112	Cosmetology Laboratory II[1]	11	
			16	

SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
COS	113	Cosmetology Laboratory III[1]	4	
COS	114	Cosmetology Internship Program[1] (Summer Only)	2	
			6	

NOTES AND INFORMATION

* COS 260 Cosmetology Review (Spring Only) is an optional refresher course to meet IDFPR licensure requirements.

[1]Students must maintain a "C" in all cosmetology courses.

Additional Information: The Cosmetology Program is designed to give students thorough training in the arts, skills, and applied sciences that deal with adornment through care and treatment of the hair, nails, and skin.

Regulations, State of Illinois, in total hours, teaching staff, equipment, facilities, library, and course content.

Graduates are prepared for licensure by the Department of Financial and Professional Regulation-Division of Professional Regulations, State of Illinois, upon passing the Illinois Cosmetology examination. This qualifies the graduate for employment.

Career Opportunities: Cosmetologist, salon owner, salon manager, manicurist/pedicurist/nail technician, hairstylist/hair dresser, sales representative.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Certificate
in
Cosmetology Teacher Program

Career Curriculum: 00COS 0057
Minimum Hours:13
Major Code: 1.2 120413
Effective Date: Fall 2023

SEMESTER HOURS

Dept.	No.		Hrs.	Grade
COS	250	Instructional Strategies[1, 2]	5	
COS	251	Cosmetology Teacher Program[1, 2]	8	
			13	

NOTES AND INFORMATION

*Prerequisite: Illinois Cosmetology License.

[1] Courses are taught on an independent basis and can be taken in either the fall, spring or summer semester.

[2] Students must maintain a "C" or higher in all cosmetology courses.

Career Opportunities: Cosmetology teacher in the state of Illinois with the opportunity for reciprocity in other states in equal agreement.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Applied Science
Toward a Degree in
Criminal Justice

Career Curriculum CRJ 0550
Minimum Hours: 61
Major Code: 1.2 430107
Effective Date: Fall 2022

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
ALH	101	Cardiopulmonary Resuscitation	1	_____
CRJ	103	Introduction to Criminal Justice	3	_____
CRJ	105	Criminal Behavior	3	_____
ENG	113	Professional Technical Writing[1]	3	_____
PSC	131	American Government	3	_____
Any IAI Science Elective			3	_____
			17	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CRJ	203	Introduction to Security	3	_____
CRJ	205	Investigation Techniques	3	_____
LIT	284	Ethnic Literature in America OR HIS 101 Western Civilization I	3	_____
MAT	113	OR MAT 112 Introduction to Contemporary Mathematics OR MAT 100 Math for Applied Technologies*	3	_____
PSY	132	General Psychology	3	_____
			15	

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
COM	115	Speech	3	_____
			3	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CRJ	115	Policing, OR INT 101[3]	3	_____
CRJ	209	Criminal Law	3	_____
CRJ	218	Introduction to Corrections OR INT 101[3]	3	_____
CRJ	223	Juvenile Justice	3	_____
SPN	101	Elementary Spanish I OR ASL 141	4	_____
			13	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	207	Computer Applications for Business OR CIS 209 Introduction to Cybercrimes[2]	3	_____
CRJ	219	Criminal Procedure	3	_____
CRJ	220	Probation, Parole, and Community-Based Corrections	3	_____
CRJ	221	Police Administration	3	_____
SPN	102	Elementary Spanish II OR ASL 142	4	_____
			13	

NOTES AND INFORMATION

*Or any higher math course.

*All core courses (CRJ) must be completed with a "C" or higher.

[1] Requires a grade of "C" or higher.

[2] Spring only.

[3] INT 101 requires the completion of 225 clock hours.

Policing Required Electives-Track One

CRJ	115	Policing, OR INT 101	3	_____
CRJ	221	Police Administration	3	_____

Corrections Required Electives-Track Two

CRJ	218	Introduction to Corrections, OR INT 101	3	_____
CRJ	220	Probation, Parole, and Community-Based Corrections	3	_____

Additional Information: The Criminal Justice A. A. S. degree program meets the objectives of students considering careers in policing, the courts, corrections, juvenile justice, and private security, as well as preparing students for transfer and maximizing articulation with baccalaureate programs in Administration of Justice, Criminal Justice, Police Science, etc.

Career Opportunities: Positions in law enforcement: Administrative Agencies (local, state, federal, natural resource); Courts (security, administration, probation); Corrections (local, state, federal, parole); Juvenile Justice (law enforcement, probation, corrections); Private Security (loss prevention, asset protection, investigations, human resources)

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Arts Degree
in
Criminal Justice

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 430107
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
PHL 111 or Humanities Elective	_____	_____
PHL 121 or Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 112 or MAT 113 (3) or MAT 131 (5) or MAT Elective	_____	_____

IAI Mathematics Electives: MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 201, MAT 202, MAT 209, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
SOC 133 or Social Science Elective	_____	_____
PSY 132 or Social Science Elective	_____	_____
PSC 131 or PSY 200 or Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
BIO 100 (4) or Life Science Elective	_____	_____
PHS 107 (3) or Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

SELECT COURSES FROM THIS LISTING USING THE ARTICULATION NOTES AS A GUIDE

	Sem.	Grade
ORI 100 (1)	_____	_____
CRJ 103 (3)	_____	_____
CRJ 105 (3)	_____	_____
CRJ 218 (3)	_____	_____
CRJ 223 (3)	_____	_____
Foreign Language (4)	_____	_____
Foreign Language (4)	_____	_____
CRJ 209 (3) or Elective	_____	_____
CRJ 219 (3) or Elective	_____	_____
HIS 103 (3) or HIS 104 (3) or Elective	_____	_____

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JALC
www.jalc.edu

Certificate
in
Customer Service

Career Curriculum: 00BUS 0021
Minimum Hours: 24
Major Code: 1.2 520411
Effective Date: Fall 2024

FALL SEMESTER

Dept.	No.		Hrs.	Grade
OFT	116	Keyboarding I[1]	3	
OFT	135	Office Language Skills	3	
BUS	255	Customer Service	3	
OFT	207	Computer Applications for Business	3	
			12	

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	100	Business Accounting OR ACC 200 Financial Accounting I	3	
BUS	235	Business Communication	3	
MGT	112	Principles of Management	3	
COM	115	Speech OR COM 116 Interpersonal Communication	3	
			12	

NOTES AND INFORMATION

Fall Only Courses	Spring Only Courses
BUS 255	MGT 112

[1] Proficiency exams are available for OFT 116 (requiring a production test as well as 40 wpm with no more than three errors on a three-minute straight-copy timing) and OFT 117 (requiring 55 wpm with no more than three errors on a three-minute straight-copy timing) for students entering the program with a sound background in keyboarding. See your advisor or the chairperson of the Business Department for information.

Career Opportunities: Students successfully completing this program will receive a Certificate of Achievement. This one-year curriculum provides students with the training required to fill support services positions such as a customer service representative or associate in any type of business or other organization.

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Associate in Applied Science
Toward a Degree in
Cyber-Security/Information Assurance

Career Curriculum CIS 2015
Minimum Hours: 65
Major Code: 1.2 111003
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
OFT	207	Computer Applications for Business	3	
CIS	170	CISCO I	5	
CIS	200	Network Essentials	3	
CIS	206	Managing Network Environment I	3	
MAT	120	Elementary Statistic OR MAT 119 Elementary Statistics with Integrated Review OR BUS 111 Business Mathematics	3	
			18	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	208	Security Awareness	3	
CIS	230	Operating Systems	3	
CIS	270	CISCO II[1]	4	
ENG	113	Professional Technical Writing OR ENG 101 English Composition*	3	
Elective – Track 1 or Track 2[3]			3	
			16	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CIS	171	Intro to Scripting	4	
CIS	216	Cloud Technology[1]	3	
CIS	219	Ethical Hacking[1]	3	
ELT	214	Fundamentals of Computing Hardware	3	
IAI Social and Behavioral Science Elective[2] OR			3	
If following Track I: CIS 229			16	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	213	Penetration Testing[1]	3	
CIS	231	Firewalls and VPN's[1]	3	
PHL	121	Introduction to Logic	3	
COM	115	Speech OR COM 116 Interpersonal Communication	3	
Elective – Track 1 or Track 2[3] OR			3	
If following Track I: IAI Social & Behavioral Science Elective[2]			15	

NOTES AND INFORMATION

Fall Only Courses:

CIS 170 CIS 229
ELT 214
CIS 216
CIS 219

Spring Only Courses:

CIS 270 ELT 210
CIS 209* ELT 218
CIS 213
CIS 231

*Course requires a grade of "C" or above

[1] These courses have a prerequisite.

[2] PSY 132 is recommended.

[3] **Track 1 Electives** – CIS 209 – Introduction to Cybercrimes-spring only class, CIS 229 – Digital Forensics[1]- fall only class. CIS 209* is prerequisite to CIS 229.

[3] **Track 2 Electives** – ELT 210 – Supporting Computer Operating Systems, ELT 218 – Intro to Network Technologies. Both classes taught spring semesters only.

Note: Students planning on following Track 1 should take CIS 209 during the first year, spring semester and CIS 229 during the second year, fall semester. The IAI Social Science course may then be taken during the second year, spring semester.

Career Opportunities: This degree is for students that want to work in a small to medium size business environment with routers, firewalls, and VPN's managing develop security policies and design networks while keeping data secure. Preparation for COMPTIA, Net+, A+, CCENT and CCNA certifications can be obtained through this degree. Graduates will be qualified for careers in cybersecurity and information assurance in federal, state and local agencies, and the private sector.

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JALC
www.jalc.edu

Certificate
in
Dental Assisting*

Career Curriculum: DNA 0039
Minimum Hours: 28
Major Code: 1.2 510601
Effective Date: Fall 2023

FALL SEMESTER

Dept.	No.		Hrs.	Grade
DNA	100	Oral & Dental Anatomy	2	
DNA	102	Dental Assisting Procedures I	4	
DNA	104	Dental Radiography I	3	
DNA	107	Dental Materials	3	
DNA	108	Head and Neck Anatomy	2	
DNA	110	Infection Control	1	
			15	

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
DNA	101	Dental Emergencies and Pathology	2	
DNA	103	Dental Assisting Procedures II	2	
DNA	105	Dental Radiography II	2	
DNA	106	Preventive Dental Health Education	3	
DNA	109	Dental Office Procedures	2	
DNA	112	Dental Assisting Externship	2	
			13	

NOTES AND INFORMATION

*** Students must maintain a grade of "C" or higher in all courses.**

Additional Information:
The Dental Assisting Program prepares students to become highly competent individuals possessing the skills and knowledge necessary for performing the many tasks required to provide quality dental care. As a member of the dental health team, the dental assistant is responsible for providing such services as assisting the dentist with operative and surgical procedures, manipulating of dental materials, taking radiographs, providing oral health instructions, and performing office management skills. Classroom theory, laboratory practice, and clinical training on campus and in the dental office are included in this certificate program.

Career Opportunities: To obtain employment in a private dental office or state facility. Duties include working directly with dentist, laboratory duties and office experiences. Dental assistants must be reliable, work well with others and have good manual dexterity. This occupation is projected to grow in the next few years.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Applied Science
Toward a Degree in
Digital Media Technology

Career Curriculum: DMT 2022
Minimum Hours: 62
Major Code: 1.2 090908
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
MAT	113	Contemporary Math or IAI MAT	3	_____
DMT	105	Symbolism & Logo Design	3	_____
DMT	115	Layout Design	3	_____
ENG	101	English Composition I[1] OR ENG 113 Professional Technical Writing[1]	3	_____
IAI Humanities or Fine Arts			3	_____
			16	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
DMT	160	Typography	3	_____
DMT	185	Production Design Technologies	3	_____
DMT	240	Packaging Design	3	_____
DMT	170	Video Game Industry & Design	3	_____
COM	115	Speech OR COM 116 Interpersonal Communication	3	_____
			15	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ART	296	Photography I	3	_____
DMT	205	Digital Imaging Technologies	3	_____
DMT	250	Intro to Web Design	3	_____
DMT	260	Interactive Design	3	_____
DMT	265	Branding & Multimedia Design	3	_____
			15	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
IAI Social Behavior Science			3	_____
INT	101	Internship	1	_____
DMT	220	Animation I	3	_____
DMT	230	Video Production I	3	_____
DMT	280	Advanced Layout Design	3	_____
MKT	224	Advertising	3	_____
			16	

NOTES AND INFORMATION

[1] Requires a grade of "C" or higher.

Career Opportunities: The program will prepare graduates to enter the profession of Digital Media Technology in Video Systems Technicians, Video Graphics, Special Effects, and Animation, Audio-Video Designers and Engineers, Audio – Video System Service Technicians, Desktop Publishing Specialists, Web Page Designers, Graphic Designers, Commercial Artists, Illustrators, Production Managers, Audio/Video Operations, Control Room Technician, Broadcast Technicians, Merchandising Managers, Visual Merchandise Managers and Interactive Media Specialists. The program is primarily targeted toward traditional high school graduates with interests in modern digital media creation. However, many of the courses included in the program guide stand on their own as skills learning courses that could be used to provide needed training for someone in an existing career, or an opportunity for previous graduates of the Graphic Design program to add to their skillset.

Beginning salaries are comparable to other technical careers with the possibility of advancement within a particular company. A job placement service is provided for all John A. Logan College graduates to help students find employment.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Certificate
in
Digital Media Technology

Career Curriculum: DMT2024
Minimum Hours: 27
Major Code: 1.2 090908
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
DMT	105	Symbolism & Logo Design	3	_____
DMT	115	Layout Design	3	_____
DMT	205	Digital Imaging Technologies	3	_____
DMT	265	Branding & Multimedia Design	3	_____
			12	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
DMT	160	Typography	3	_____
DMT	185	Production Design Technologies	3	_____
DMT	220	Animation I	3	_____
DMT	230	Video Production I	3	_____
DMT	240	Packaging Design	3	_____
			15	

NOTES AND INFORMATION

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Career Opportunities: The program will prepare graduates to enter the profession of Digital Media Technology in Video Systems Technicians, Video Graphics, Special Effects, and Animation, Audio-Video Designers and Engineers, Audio – Video System Service Technicians, Desktop Publishing Specialists, Web Page Designers, Graphic Designers, Commercial Artists, Illustrators, Production Managers, Audio/Video Operations, Control Room Technician, Broadcast Technicians, Merchandising Managers, Visual Merchandise Managers and Interactive Media Specialists. The program is primarily targeted toward traditional high school graduates with interests in modern digital media creation. However, many of the courses included in the program guide stand on their own as skills learning courses that could be used to provide needed training for someone in an existing career, or an opportunity for previous graduates of the Graphic Design program to add to their skillset.

Beginning salaries are comparable to other technical careers with the possibility of advancement within a particular company. A job placement service is provided for all John A. Logan College graduates to help students find employment.

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JALC
www.jalc.edu

Certificate
in
Director's Credential

Career Curriculum: 00CHC 0018
Minimum Hours: 8
Major Code: 1.2 190709
Effective Date: Spring 2011

Dept.	No.		Hrs.	Grade
ECE	279	Management Internship[1]	4	
ECE	280	Professional Development	4	
			8	

NOTES AND INFORMATION

* Prerequisite: A.A.S. in Early Childhood Education

[1] One year of full-time early childhood education management experience in a licensed center will waive this course.

Additional Information: John A. Logan College Early Childhood Education Program is approved by the Illinois Network of Child Care Resources & Referral Agencies (INCCRRA) as an Illinois Director Credential Entitled Institution. John A. Logan College works directly with Gateways to Opportunity, a branch of INCCRRA to award this credential. As an entitled Illinois Director Credential (IDC) institution, John A. Logan College Early Childhood Education Program will verify the attainment of the IDC requirements and submit recommendation to the statewide Professional Development Advisory Council (PDAC) for review and confirmation. Upon the approval of PDAC, the IDC will be awarded. Core knowledge and skills will be validated in 5 areas:

1. General Education
2. Early Childhood/School-age Knowledge
3. Management Knowledge & Skills
4. Management & Teaching Experience
5. Professional Contributions to the Field

Students interested in the Illinois Director Credential should see the Early Childhood Education academic advisor. Students can complete the requirements for the IDC by:

1. First completing the AAS Degree in Early Childhood Education;
2. Completing the child care Management Internship (ECE 279); and
3. Completing 2 professional development activities (ECE 280).

The Illinois Director Credential prepares students to work more effectively as child care advocates and administrators in early childhood programs. The attainment of the IDC is one to be proud of. It serves as a symbol of individual achievement and demonstration of leadership and commitment beyond the scope of daily routine management through professional contributions to the field. The IDC is a tool to promote high standards of excellence, professionalism among staff, and quality care and education of children enrolled in early childhood programs. For more information about the IDC credential, call 1-888-548-8080 or visit Gateways to Opportunity website @ www.ilgateways.com.

Career Opportunities: Assistant director, director, supervisor, coordinator, or child care advocate in child care center or other early childhood programs, organizations or social services for children and their families.

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JALC
www.jalc.edu

Associate in Arts Degree
in
Early Childhood Education

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 131210
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
ART 111, MUS 105, or THE 113	_____	_____
LIT 264 or Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 209 OR IAI Math Elective	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective	_____	_____
Social Science Elective	_____	_____
PSY 132	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100	_____	_____
EDC 202	_____	_____
MAT 208 or Elective	_____	_____
EDC 203	_____	_____
PEDE 202	_____	_____
HTH 110	_____	_____
ECE 120	_____	_____
ECE 160	_____	_____
ECE 245	_____	_____
ECE 260	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Applied Science
Toward a Degree in
Early Childhood Education**

Career Curriculum ECE 0005
Minimum Hours: 63
Major Code: 1.2 190709
Effective Date: Spring 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
ECE	150	Infancy Development[1]	3	_____
ECE	151	Health, Safety, and Nutrition[1]	3	_____
ECE	160	Child, Growth, and Development[1]	3	_____
ECE	161	Early Childhood Practicum[1]	1	_____
ECE	272	Language and Literacy Development[1]	3	_____
PSY	132	General Psychology	3	_____
			17	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ALH	101	Cardiopulmonary Resuscitation	1	_____
ECE	120	Guiding Play and Learning[1]	3	_____
ECE	220	Infant Toddler Curriculum[1]	3	_____
ECE	265	Early Childhood Curriculum[1]	3	_____
ENG	101	English Composition I	3	_____
PSY	262	Child Psychology	3	_____
			16	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ECE	260	Child, Family, and Community[1]	3	_____
ECE	267	Child Care Laboratory[1]	5	_____
LIT	264	Literature for Children	3	_____
IAI Math or BUS 111 Business Mathematics			3	_____
COM	115	Speech OR COM 116	3	_____
			17	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ECE	240	Observation and Assessment[1]	3	_____
ECE	245	The Exceptional Child[1]	3	_____
ECE	266	Pre-School Administration[1]	3	_____
ECE	268	Child Care Laboratory[1]	5	_____
			14	

NOTES AND INFORMATION

[1] Requisite: All ECE courses require a grade of C or higher.

This program can be completed mostly online with the exception of on-site practicum hours.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Certificate
in
Early Childhood Education
Family Childcare

Career Curriculum: ECE 0006
Minimum Hours: 30
Major Code: 1.2 190709
Effective Date: Fall 2020

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
ALH	101	Cardiopulmonary Resuscitation	1	
ECE	151	Health, Safety, and Nutrition	3	
ECE	160	Child, Growth, and Development	3	
ECE	260	Child, Family, and Community Relations	3	
ENG	101	English Composition I	3	
PSY	132	General Psychology	3	
			17	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ECE	171	Family Child Care Practicum*	1	
ECE	220	Infant Toddler Curriculum OR ECE 265 Early Childhood Curriculum	3	
ECE	240	Observation and Assessment	3	
ECE	266	Preschool Administration	3	
MAT	108	College Algebra OR MAT 120 Elementary Statistics OR BUS 111 Business Mathematics	3-4 / 13-14	

NOTES AND INFORMATION

Students completing this certificate will also earn the Illinois Gateways to Opportunity, Family Child Care Credential.

*Gateways Level 3 credential requires the minimum of 20 hours of practicum experience: 10 hours of supervised work experience in early childhood classroom and 10 hours of supervised experience in a licensed family child care home is required, totaling 20 hours of practicum experience.

Additional Information: Currently the Department of Children and Family Services (DCFS) requires licensed "Group Day Care Home" providers to complete 30 hours of college credit. This allows the Group Day Care Home to care for up to 16 children with the support of a full-time and part-time assistant. This DCFS educational requirement does not apply to a licensed "Day Care Home" provider serving 8 children alone or serving 12 children with the support of an assistant. In order to meet high-quality program standards, all child care providers seeking accreditation and higher child care reimbursement rates will benefit from additional educational requirements.

Career Opportunities: The Family Child Care Certificate program prepares individuals to provide professional, high-quality care and early education to children in a **home setting**. Please note: The completion of 60 college credit hours or an associate degree is required for teachers in child care centers and assistant teachers in public schools.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Certificate
in
Early Childhood Education
Gateways ECE Level 2

Career Curriculum: ECE 0007
Minimum Hours: 16
Major Code: 1.2 190709
Effective Date: Fall 2021

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ECE	151	Health, Safety, and Nutrition	3	_____
ECE	160	Child, Growth, and Development	3	_____
ECE	161	Early Childhood Practicum	1	_____
ECE	272	Language & Literacy Development	3	_____
			10	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ECE	120	Guiding Play and Learning	3	_____
ECE	265	Early Childhood Curriculum	3	_____
			6	

NOTES AND INFORMATION

Fall Only Class	Spring Only Classes
ECE 151	ECE 120
ECE 272	ECE 265

Students who complete this certificate program meet the requirements for the **Gateways Level 2 ECE Credential**. All coursework in this certificate program work toward the ECE Associate in Applied Science Degree.

Career Opportunities: Individuals completing this certificate are better qualified to work as assistant teachers in child care centers. These individuals are also better qualified to provide quality child care in their homes.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Certificate
in
Early Childhood Education
Gateways ECE Level 3

Career Curriculum: ECE 0008
Minimum Hours: 28
Major Code: 1.2 190709
Effective Date: Fall 2021

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ECE	151	Health, Safety, and Nutrition	3	_____
ECE	160	Child, Growth, and Development	3	_____
ECE	161	Early Childhood Practicum	1	_____
ECE	260	Child, Family & Community	3	_____
ECE	272	Language & Literacy Development	3	_____
			13	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ECE	120	Guiding Play and Learning	3	_____
ECE	265	Early Childhood Curriculum	3	_____
ENG	101	English Composition	3	_____
PSY	132	General Psychology	3	_____
MAT	108	College Algebra or MAT 120	3	_____
		Elementary Statistics or BUS 111	15	
		Business Math		

NOTES AND INFORMATION

Fall Only Class	Spring Only Classes
ECE 151	ECE 120
ECE 260	ECE 265
ECE 272	

Students who complete this certificate program meet the requirements for the **Gateways Level 3 ECE Credential**. All coursework in this certificate program work toward the ECE Associate in Applied Science Degree.

Career Opportunities: Individuals completing this certificate are better qualified to work as assistant teachers in child care centers. These individuals are also better qualified to provide quality child care in their homes.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Certificate
in
Early Childhood Education (Career)**
Infant Toddler

Career Curriculum: ECE0009
Minimum Hrs.: 35
Major Code: 1.2 190709
Effective Date: Spring 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
ECE	150	Infancy Development	3	____
ECE	151	Health, Safety, and Nutrition	3	____
ECE	160	Child, Growth, and Development	3	____
ECE	161	Early Childhood Practicum	1	____
ECE	260	Child, Family, and Community	3	____
ECE	272	Language and Literacy Development	3	
ORI	100	College 101	1	
			17	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
ECE	220	Infant Toddler Curriculum	3	____
ECE	240	Observation and Assessment	3	____
ECE	265	Early Childhood Curriculum	3	____
PSY	132	General Psychology	3	____
ENG	101	English Composition I	3	____
MAT	108	College Algebra OR MAT 120 Elementary Statistics OR BUS 111 Business Mathematics	3-4	____
			18-19	

NOTES AND INFORMATION

Students completing this certificate will also earn the Illinois Gateways to Opportunity, Level 3 Infant Toddler Credential.

Gateways level 3 credential requires the minimum of 10 hours of supervised experience with infants, toddlers, and their families **or 450 hours of documented work experience with infants, toddlers, and their families.

Career Opportunities: Infant toddler care is in great demand, with few options for working parents. The Infant Toddler Certificate prepares individuals to provide high-quality child care in a center-based program or home environment to the youngest and most vulnerable age group. While these individuals qualify to work as assistant teachers with older age groups; this certificate program emphasizes high quality care with infants and toddlers which make them especially attractive candidates to work with infants and toddlers in center-based programs. And, also makes these individuals better prepared to provide high-quality child care service in their homes.

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JALC
www.jalc.edu

Associate in Arts Degree
in
Economics

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 450601
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
Math Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT
201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
ECO 201	_____	_____
ECO 202	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100(1)	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Engineering Science Degree in Electrical Engineering

Transfer Curriculum AES 0096
Associate in Engineering Science:
68 Hrs. Min.
Major Code: 1.1 141001
Effective Date: Fall 2023

IAI GECC RECOMMENDATIONS (27-39 semester credits)
Since completion of the A.E.S degree does not complete the Illinois General Education Core Curriculum, students will need to complete the general education requirements of the school to which they transfer.

IAI INFORMATION: This guide follows the guidelines established by the IAI Engineering major Panel for an Associates in Engineering Science Degree. This guide is not designed to complete the full IAI GECC component. You will need to fulfill the remaining IAI GECC courses at your transfer institution.

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101 **or** SCI 100 STEM Fundamentals	1	
MAT	131	Calculus I	5	
ENG	101	English Composition I	3	
CHM	151	Chemical Principles	5	
EGR	101	Engineering Graphics **or** Elective	3	
			17	

FIRST YEAR - SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MAT	201	Calculus II	5	
PHY	205	University Physics I	5	
CPS	206	Computer Science I **or** CHM 152 Chemical Principles w/Qualitative Analysis	4-5	
ENG	102	English Composition II	3	
			17-18	

SECOND YEAR - FALL SEMESTER

Dept.	No.		Hrs.	Grade
MAT	202	Calculus III	3	
PHY	206	University Physics II	5	
ECO	201	Macroeconomics **or** Social Science Elective	3	
IAI Humanities/Fine Arts Elective			3	
IAI Life Science Elective			3-4	
			17-18	

SECOND YEAR - SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MAT	205	Differential Equations	3	
PHY	214	Intro to Circuit Analysis **or** PHY 224 Electric Circuit Analysis w/Lab	3-4	
ECO	202	Microeconomics **or** Social Science Elective	3	
COM	115	Speech	3	
IAI Fine Arts/Humanities Elective			3	
IAI Elective			3	
			18-19	

Consult with the transfer institution to determine if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

Fall Only Courses:
EGR 101 CPS 215
CHM 201 PHY 201
CPS 215 PHY 206

Spring Only Courses:
CHM 202 PHY 203
CPS 206 PHY 205
MAT 205 PHY 214/224
PHY 202

Recommended Social Science electives: ANT 111, ANT 202, ANT 216, GEO 112, SOC 215. For other IAI Social Science Electives, see below.

Recommended Humanities/Fine Arts Electives: HIS 103, HIS 104, HIS 213, LIT 284, LIT 295, PHL 121, PHL 200. For other IAI Humanities, see below.

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216, 240
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Applied Science
Toward a Degree in
Electrical Engineering Technology

Career Curriculum ELT 3012
Minimum Hours: 66
Major Code: 1.2 150303
Effective Date: Fall 2023

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
ELT	102	Basic Electricity and Wiring	4	_____
ELT	111	Digital Electronics I	3	_____
MAT	111	Pre-Calculus	5	_____
MFT	103	Industrial Robots and PLCs	3	_____
			16	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	103	Applied DC/AC Circuits	4	_____
ELT	112	Digital Electronics II	3	_____
ELT	150	Applied Solid State Electronics	3	_____
ENG	101	English Composition I[1] OR ENG 113 Professional Technical Writing[1]	3	_____
MAT	131	Calculus I	5	_____
			18	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
COM	115	Speech OR COM 116 Interpersonal Communication	3	_____
ELT	151	Applied Solid State Circuits	3	_____
ELT	200	Introduction to Microprocessors	3	_____
ELT	214	Fundamentals of Computing Hardware	3	_____
PHY	155	College Physics I	5	_____
			17	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	210	Supporting Computer Operating Systems	3	_____
ELT	215	IOT and Embedded Systems	3	_____
ELT	218	Introduction to Network Technologies	3	_____
ELT	220	Special Projects in Electronics	3	_____
ELT	224	Power Distribution and Motors	3	_____
			15	

NOTES AND INFORMATION

[1] Requires a grade of "C" or higher.

Fall only courses:	Spring only courses:	
ELT 111	ELT 103	ELT 218
ELT 151	ELT 112	ELT 220
ELT 200	ELT 150	ELT 224
ELT 214	ELT 210	
MFT 103	ELT 215	

Career Opportunities: The graduate in Electronics Engineering Technology will be prepared for entry-level careers in areas such as: Product development and support Technician, Field engineering/service Technician, Test Engineering Technician, Technical documentation, Technical sales/marketing, Telecommunications and wireless systems development and support, Research and development, Quality assurance, Technical documentation.

JALC ELT Programs are education members of:

IEEE
Institute of Electrical and Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08854

Association for Computing Machinery
1601 Broadway, 10th Floor
New York, NY 10019-7434

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Certificate
in
Electronics Technician

Career Curriculum: 00ELT 3014
Minimum Hours: 26
Major Code: 1.2 470101
Effective Date: Fall 2023

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ELT	102	Basic Electricity and Wiring	4	
ELT	111	Digital Electronics I[1]	3	
ENG	101	English Composition I[1] OR ENG 113 Professional Technical Writing	3	
MAT	113	OR MAT 112 Introduction to Contemporary Mathematics	3	
ORI	101	College 101	1	
			14	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	150	Applied Solid State Electronics	3	
ELT	112	Digital Electronics II	3	
ELT	215	IOT and Embedded Sytems[1]	3	
PHY	121	Technical Physics	3	
			12	

NOTES AND INFORMATION

Fall Only Courses:
ELT 102
ELT 111

Spring Only Courses:
ELT 150 ELT 215
ELT 112

[1] Requires a grade of "C" or higher.

Career Opportunities: Entry-level Technician, Sales Associate, Quality Control Technician, Customer Services Technician/Representative, Electronics Repair Associate/Technician

JALC ELT Programs are education members of:

Institute of Electrical and Electronics Engineers
445 Hoes Lane
Piscatawav. NJ 08854

Association for Computing Machinery
1601 Broadway, 10th Floor
New York, NY 10019-7434

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JALC
www.jalc.edu

Associate in Applied Science
Toward a Degree in
Electronics Technology

Career Curriculum 00ELT 3010
Minimum Hours: 65
Major Code: 1.2 150303
Effective Date: Fall 2023

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
ELT	102	Basic Electricity and Wiring	4	
ELT	111	Digital Electronics I	3	
MAT	113	OR MAT 112 Introduction to Contemporary Mathematics	3	
COM	115	Speech OR COM 116 Interpersonal Communication	3	
MFT	103	Industrial Robots and PLCs	3	
			17	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	103	Applied DC/AC Circuits	4	
ELT	104	Introduction to VFDs	2	
ELT	112	Digital Electronics II	3	
ELT	150	Applied Solid State Electronics	3	
MFT	201	PLC Manufacturing Systems	3	
			15	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ELT	151	Applied Solid State Circuits	3	
ELT	200	Introduction to Microprocessors	3	
ELT	214	Fundamentals of Computing Hardware	3	
ENG	101	English Composition I[1] OR ENG 113 Professional Technical Writing[1]	3	
IAI Social and Behavioral Science Elective			3	
			15	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	210	Supporting Computer Operating Systems	3	
ELT	215	IOT and Embedded Systems	3	
ELT	218	Introduction to Network Technologies	3	
ELT	220	Special Projects in Electronics	3	
ELT	224	Power Distribution and Motors	3	
PHY	121	Technical Physics	3	
			18	

NOTES AND INFORMATION

[1] Requires a grade of "C" or higher.

Fall only courses:
ELT 111, ELT 214, ELT 151, MFT 103, ELT 200

Spring only courses:
ELT 103, ELT 150, ELT 218, MFT 201, ELT 104, ELT 210, ELT 220, ELT 112, ELT 215, ELT 224

Career Opportunities: The Electronics Technician has career opportunities in many entry-level areas such as: Electronic equipment installation and repair, Maintenance Technician, Broadcast Communications Technician, System Technician, Plant Technician, Telephone Technician, Fiber Optic Technician, Telecommunications Technician and Technical Report Writers. The typical job related activities may involve assembly, installation, maintenance, testing, troubleshooting and repair.

JALC ELT Programs are education members of:

IEEE
Institute of Electrical and Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08854

Association for Computing Machinery
1601 Broadway, 10th Floor
New York, NY 10019-7434

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JALC
www.jalc.edu

Associate in Arts Degree
in
Elementary Education

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 131202
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
ART 101, 102, 111, MUS 105, THE 113 or Fine Arts Elective	_____	_____
LIT 280 or HIS 213 or Humanities Elective	_____	_____
Humanities/Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 119 or MAT 120 or 282 (3)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
HIS 202 or Social Science Elective	_____	_____
PSC 131 or Social Science Elective	_____	_____
PSY 132 or Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
SCI 210A or Life Science Elective	_____	_____
SCI 210B or Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
HTH 110 (2) or Elective	_____	_____
MAT 108 (4)	_____	_____
MAT 208 (3)	_____	_____
MAT 209 (3)	_____	_____
EDC 202 or Elective	_____	_____
EDC 203 or Elective	_____	_____
PEDE 202 or Elective	_____	_____
Electives (6)	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Applied Science
Toward a Degree in
Emergency Medical Services

Career Curriculum EMS 0101
Minimum Hours: 66
Major Code: 1.2 510904
Effective Date: Fall 2020

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
BIO	205	Human Anatomy and Physiology I	4	_____
EMS	250	Paramedic I	12	_____
			17	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
EMS	251	Paramedic II	9	_____
EMS	251A	Paramedic II Clinical	3	_____
			12	

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
EMS	252	Paramedic III	9	_____
EMS	252A	Paramedic III Clinical	3	_____
			12	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
EMS	253	Paramedic IV	9	_____
EMS	253A	Paramedic IV Clinical	3	_____
			12	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
BIO	206	Human Anatomy and Physiology II	4	_____
ENG	101	English Composition[1] OR ENG 113 Professional & Technical Writing[1]	3	_____
MAT	113	OR MAT 112 Introduction to Contemporary Mathematics[2] OR MAT 104 Mathematics for Allied Health*	3	_____
COM	115	Speech[2] OR COM 116 Interpersonal Communication	3	_____
			13	

NOTES AND INFORMATION

- Prior to entrance into the EMS Program:
  Students must successfully complete EMT 111. American Heart Association Basic Life Support Cardiopulmonary Resuscitation is the prerequisite for EMT 111.
  Upon successful completion of EMT 253 the student will be eligible for the Illinois paramedic licensing examination.

***** Or any higher math course.

[1] Requires a grade of "C" or higher.

[2] Recommended for transfer students.

The John A Logan College Paramedic program has received a Letter of Review by the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). This letter is NOT a CAAHEP accreditation status. Letter of Review is recognized by the National Registry of Emergency Medical Technicians (NREMT) for eligibility to take the NREMT's Paramedic credentialing examination(s). However, it is NOT a guarantee of eventual accreditation.

To contact CoAEMSP:
8301 Lakeview Parkway Suite 111-312
Rowlett, TX 75088
214-703-8445
FAX 214-703-8992
www.coaemsp.org

Career Opportunities: Graduates of the program are qualified to take the State Certification Examination which is required for paramedic licensure in the state of Illinois. Licensed paramedics have employment opportunities in hospitals, ambulance services, fire departments, colleges and within various governmental programs.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Certificate
in
Emergency Medical Services

Career Curriculum: EMS 0102
Minimum Hours: 49
Major Code: 1.2 510904
Effective Date: Fall 2020

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
EMS	250	Paramedic I	12.0	
			13.0	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
EMS	251	Paramedic II	9.0	
EMS	251A	Paramedic II Clinical	3.0	
			12	

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
EMS	252	Paramedic III	9.0	
EMS	252A	Paramedic III Clinical	3.0	
			12	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
EMS	253	Paramedic IV	9.0	
EMS	253A	Paramedic IV Clinical	3.0	
			12	

NOTES AND INFORMATION

Students must complete EMT 111--Emergency Medical Technician I prior to entering the EMS program.

Current Illinois EMT-Basic (EMT-B) or EMT-Intermediate (EMT-I) certification is required.

The John A Logan College Paramedic program has received a Letter of Review by the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). This letter is NOT a CAAHEP accreditation status. Letter of Review is recognized by the National Registry of Emergency Medical Technicians (NREMT) for eligibility to take the NREMT's Paramedic credentialing examination(s). However, it is NOT a guarantee of eventual accreditation.

To contact CoAEMSP:
8301 Lakeview Parkway Suite 111-312
Rowlett, TX 75088
214-703-8445
FAX 214-703-8992
www.coaemsp.org

Career Opportunities: Graduates of the program will be eligible to sit for the Illinois Department of Public Health, EMT-Paramedic (EMT-P) licensing exam which is required for paramedic licensure in the state of Illinois. Licensed paramedics have employment opportunities in hospitals, ambulance services, fire departments, colleges and within various governmental programs.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Certificate
in
Emergency Medical Technician

Career Curriculum: EMT 2021
Minimum Hours: 12
Major Code: 1.2 510810
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
EMT	111	Emergency Medical Technician	12	_____

NOTES AND INFORMATION

Students completing EMT 111 must turn 18 years of age, finished with or be receiving HS diploma or equivalent, and have valid CPR Healthcare Provider Card certification prior to the end of EMT 111.

Career Opportunities: Emergency Medical Technician (EMT)

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Arts Degree
in
English

Transfer Curriculum 000AA 0086
Minimum Hours: 63
Major Code: 1.1 230101
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
LIT 280 or Humanities Elective	_____	_____
LIT 281, Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective	_____	_____
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
LIT 210 or Elective	_____	_____
LIT 230 or Elective	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Arts Degree
in
English Education

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 131305
Effective Date: Fall 2023

GENERAL EDUCATION (IAI, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
LIT 280 or Humanities Elective	_____	_____
LIT 281, Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSY 132 or Social Science Elective	_____	_____
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
EDC 202 or Elective	_____	_____
EDC 203 or Elective	_____	_____
LIT 210 or Elective	_____	_____
LIT 230 or Elective	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Arts Degree
in
Environmental Resources and Geography

Transfer Curriculum 000AA 0086
Minimum Hours: 63
Major Code: 1.1 150507
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

AI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
GEO 112	_____	_____
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
PHS 107 or Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
SCI 215 or Elective	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Applied Science
Toward a Degree in
Heating and Air Conditioning

Career Curriculum HAC 0095
Minimum Hours: 71
Major Code: 1.2 470201
Effective Date: Fall 2021

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
HAC	102	Residential Electrical Wiring	4	
HAC	121	Heating I	4	
HAC	140	Weatherization	3	
MAT	113	Introduction to Contemporary Mathematics OR MAT 100 Mathematics for Applied Technologies OR MAT 120 Elementary Statistics	3	
ORI	100	College 101	1	
WEL	120	Oxyful Welding, Cutting and Brazing	3	
			18	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ENG	101	English Composition I[1] OR ENG 113 Professional Technical Writing[1]	3	
HAC	105	Basic Sheet Metal Layout	3	
HAC	107	Electrical Controls and Circuitry	3	
HAC	122	Heating II	4	
HAC	131	Refrigeration & Air Conditioning I	4	
			17	

FIRST YEAR – SUMMER SEMESTER (OPTIONAL)

Dept.	No.		Hrs.	Grade
INT	101	Internship[2]	1-3	
			1-3	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CMG	107	Construction Document Interpretation	3	
HAC	106	Advanced Sheet Metal Layout	2	
HAC	132	Refrigeration and Air Conditioning II	4	
HAC	222	Advanced Heating Systems	3	
HAC	240	Installation of HVAC Systems	3	
IAI Social & Behavioral Science Elective			3	
			18	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
HAC	142	Commercial Refrigeration	4	
HAC	207	Advanced Controls and Circuitry	3	
HAC	224	Geothermal Systems	3	
HAC	279	ICE Testing	2	
IAI Physical/Life Science OR			3	
IAI Humanities/Fine Arts Elective				
COM	115	Speech OR COM 116 Interpersonal Communication	3	
			18	

NOTES AND INFORMATION

Fall Only Courses:

HAC 102
HAC 106
HAC 121
HAC 132
HAC 140
HAC 222
HAC 240

Spring Only Courses:

HAC 105
HAC 107
HAC 122
HAC 131

HAC 142
HAC 207
HAC 224
HAC 279

[1] Requires a grade of "C" or higher.

[2] Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

Additional Information: This program prepares students for careers in the heating and air conditioning industry. The curriculum provides theory as well as sufficient laboratory experience to prepare graduates for immediate employment. Students will be trained for competency in installing, operating, troubleshooting, and maintaining all types of environmental control equipment. The graduate will receive an AAS degree.

All students registered for heating and air conditioning classes will be required to furnish a basic tool set. The basic tool set will be necessary by the beginning of the fifth week of the semester. The set includes the following:

Nutdrivers
- Nutdriver ND5 ¼"
- Nutdriver ND7 5/16"
- Manifold Gauge Set

Pliers
- 7" Diagonal Pliers
- 7 ½" Longnose Pliers
- 6" Slip Joint Pliers
- ARC Joint 9-1/2" Pliers

Screwdrivers
- Phillips Stubby Screwdriver
- #2 x 4" Phillips Screwdriver
- Flat Stubby Screwdriver
- 3/16" x 6" Slotted Screwdriver
- 5/16" x 6" Slotted

Sockets
- 1/4" Socket Set
- 3/8" Socket Set

Wrenches
- 6" Adjustable Wrench
- 8" Adjustable Wrench
- 10" Adjustable Wrench
- 12" Adjustable Wrench
- Hex Wrench Set
- Service Valve Wrench

Additional Tools
- Wire Strippers
- AW Sperry SPR Clamp-On Amp Meter
- UEI M110A Multimeter
- Pocket Thermometer
- Inspection Mirror
- Sling Psychromater
- Red and Green Tin Snips
- Tinners Hammer
- Dividers

Note: Costs of supplies vary by supplier. Tools may be purchased at Sears, Snap-On, True Value, etc.

The Heating & Air Condition Program is accredited by the:

Partnership of Air Conditioning, Heating, and Refrigeration Accreditors (PAHRA)
2111 Wilson Blvd., Suite 500
Arlington, VA 22201-3001

Career Opportunities: Technician, installer, maintenance, service manager, self-employment.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Certificate
in
Heating and Air Conditioning

Career Curriculum: HAC 0006
Minimum Hours: 47
Major Code: 1.2 470201
Effective Date: Fall 2021

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
HAC	102	Residential Electrical Wiring	4	
HAC	121	Heating I	4	
MAT	113	Introduction to Contemporary Mathematics OR MAT 100 Mathematics for Applied Technologies OR MAT 120 Elementary Statistics	3	
WEL	120	Oxyful, Welding, Cutting and Brazing	3	
			15	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
HAC	105	Basic Sheet Metal Layout	3	
HAC	107	Electrical Controls and Circuitry	3	
HAC	122	Heating II	4	
HAC	131	Refrigeration & Air Conditioning I	4	
			14	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CMG	107	Construction Document Interpretation	3	
HAC	106	Advanced Sheet Metal Layout	2	
HAC	132	Refrigeration & Air Conditioning II	4	
HAC	140	Weatherization	3	
HAC	222	Advanced Heating Systems	3	
HAC	240	Installation of HVAC Systems	3	
			18	

SECOND YEAR – SPRING SEMESTER (OPTIONAL)

Dept.	No.		Hrs.	Grade
INT	101	Internship[1]	1-3	
			1-3	

NOTES AND INFORMATION

[1] Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

Additional Information: This program prepares students for careers in the heating and air conditioning industry. The curriculum provides theory as well as sufficient laboratory experience to prepare graduates for immediate employment. Students will be trained for competency in installing, operating, troubleshooting, and maintaining all types of environmental control equipment. The graduate will receive a Certificate of Achievement.

All students registered for heating and air conditioning classes will be required to furnish a basic tool set. The basic tool set will be necessary by the beginning of the fifth week of the semester. The set includes the following:

Sockets
- 1/4" Socket Set

Nutdrivers
- Nutdriver ND5 1/4"
- Nutdriver ND7 5/16"

Screwdrivers
- Phillips Stubby Screwdriver
- #2 x 4" Phillips Screwdriver
- Flat Stubby Screwdriver
- 3/16" x 6" Slotted Screwdriver
- 5/16" x 6" Slotted Screwdriver

Pliers
- Sidecutters
- 7 1/2" Longnose Pliers
- Channel Locks

Wrenches
- 6” Adjustable Wrench
- 8" Adjustable Wrench
- 10" Adjustable Wrench
- 12" Adjustable Wrench
- Hex Wrench Set
- Service Valve Wrench
- Combination Wrench Set 1/4" to 3/4"

Additional Tools
- Wire Strippers
- Clamp-On Amp Meter
- Digital Multimeter (must read D.C. microamps-MA)
- Manifold Gauge Set
- Pocket Thermometer
- Inspection Mirror
- Sling Psychrometer
- Red and Green Tin Snips
- Tinners Hammer
- Dividers

Note: Cost varies from different suppliers. Tools may be purchased at Sears, Snap-On, True Value, etc.

Career Opportunities: Technicians, installers or maintenance personnel.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Arts Degree
in
History

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 540101
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective	_____	_____
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and one must include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
HIS 101 (3) and HIS 102 (3) **or**		
HIS 103 (3) and HIS 104 (3)	_____	_____
Foreign Language I (4)	_____	_____
Foreign Language II (4)	_____	_____
Foreign Language III (4) or Elective	_____	_____
Foreign Language IV (4) or Elective	_____	_____
HIS 201 (3)	_____	_____
HIS 202 (3)	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Arts Degree in History Education

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 131328
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fina Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSY 132 or Social Science Elective	_____	_____
PSC 131 or Social Science Elective	_____	_____
SOC 133 or Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Physical Science Elective	_____	_____
Life Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105,110, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
HIS 101 (3) and HIS 102 (3) **or**	_____	_____
HIS 103 (3) and HIS 104 (3)	_____	_____
HIS 201 (3)	_____	_____
HIS 202 (3)	_____	_____
EDC 202 or Elective (3)	_____	_____
EDC 203 or Elective (3)	_____	_____
Single Foreign Language (8) or Electives	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Certificate
in
Home Performance Specialist

Career Curriculum: HAC 2016
Minimum Hours: 25
Major Code: 1.2 151701
Effective Date: Fall 2018

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CMG	100	Construction Orientation	1	
CMG	110	Wood Frame Construction	4	
HAC	102	Residential Electrical Wiring	4	
HAC	140	Weatherization	3	
			12	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CMG	107	Construction Document Interpretation	3	
CMG	215	Green Building in the 21st Century	3	
HAC	131	Refrigeration I	4	
HAC	224	Geothermal Systems	3	
			13	

NOTES AND INFORMATION

Fall Only Courses		Spring Only Courses	
CMG	100	HAC	131
CMG	110	HAC	224
HAC	102	CMG	215
HAC	140		

Career Opportunities: Energy Auditor, Home Performance Coordinator, Energy Consultant, Installation of Home Performance products (ERV's, Insulation services, and HRV systems), Sales Consultant, Building Inspector

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Engineering Science Degree in Industrial Engineering

Transfer Curriculum AES 0096
Associate in Engineering Science:
68 Hrs. Min.
Major Code: 1.1 143501
Effective Date: Fall 2023

IAI GECC RECOMMENDATIONS (27-39 semester credits)
Since completion of the A.E.S degree does not complete the Illinois General Education Core Curriculum, students will need to complete the general education requirements of the school to which they transfer.

IAI INFORMATION: This guide follows the guidelines established by the IAI Engineering major Panel for an Associates in Engineering Science Degree. This guide is not designed to complete the full IAI GECC component. You will need to fulfill the remaining IAI GECC courses at your transfer institution.

Consult with the transfer institution to determine if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101 **or** SCI 100 STEM Fundamentals	1	
MAT	131	Calculus I	5	
ENG	101	English Composition I	3	
CHM	151	Chemical Principles	5	
EGR	101	Engineering Graphics **or** Elective	3	
			17	

FIRST YEAR - SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MAT	201	Calculus II	5	
PHY	205	University Physics I	5	
CPS	206	Computer Science I	4	
ENG	102	English Composition II	3	
			17	

SECOND YEAR - FALL SEMESTER

Dept.	No.		Hrs.	Grade
MAT	202	Calculus III	3	
PHY	206	University Physics II	5	
PHY	201	Statics	3	
ECO	201	Macroeconomics **or** Social Science Elective	3	
IAI Humanities/Fine Arts Elective			3	
			17	

SECOND YEAR - SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MAT	205	Differential Equations	3	
PHY	202	Dynamics	3	
PHY	203	Mechanics of Materials	4	
ECO	202	Microeconomics **or** Social Science Elective	3	
IAI Life Science Elective or Elective			3-4	
IAI Elective			3	
			19-20	

Fall Only Courses:

EGR 101	CPS 215
CHM 201	PHY 201
CPS 215	PHY 206

Spring Only Courses:

CHM 202	PHY 203
CPS 206	PHY 205
MAT 205	PHY 214/224
PHY 202	

Recommended Social Science electives: ANT 111, ANT 202, ANT 216, GEO 112, SOC 215. For other IAI Social Science Electives, see below.

Recommended Humanities/Fine Arts Electives: HIS 103, HIS 104, HIS 213, LIT 284, LIT 295, PHL 121, PHL 200. For other IAI Humanities, see below.

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216, 240
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Certificate
in
Industrial PLC Systems

Career Curriculum: 00ELT 3013
Minimum Hours: 29
Major Code: 1.2 150303
Effective Date: Fall 2022

FALL SEMESTER

Dept.	No.		Hrs.	Grade
ELT	102	Basic Electricity and Wiring	4	
IDM	210	Hydraulics & Pneumatics	4	
MAT	100	Mathematics for Applied Technologies	3	
MFT	103	Industrial Robots and PLCs	3	
			14	

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	103	Applied DC/AC Circuits	4	
ELT	104	Introduction to VFDs	2	
ELT	150	Applied Solid State Electronics	3	
ELT	224	Power Distribution and Motors	3	
MFT	201	PLC Manufacturing Systems	3	
			15	

NOTES AND INFORMATION

Fall only courses:
IDM 210
MFT 103

Spring only courses:
ELT 103 ELT 224
ELT 104 MFT 201
ELT 150

Career Opportunities: Entry-level PLC maintenance and PLC System Programmer.

JALC ELT Programs are education members of:

IEEE
Institute of Electrical and Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08854

Association for Computing Machinery
1601 Broadway, 10th Floor
New York, NY 10019-7434

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Associate in Applied Science
Toward a Degree in
Industrial Maintenance

Career Curriculum IDM 000069
Minimum Hours: 67
Major Code: 1.2 470303
Effective Date: Fall 2023

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
CMG	110	Structural Framing I	4	_____
ELT	102	Basic Electricity and Wiring	4	_____
HAC	121	Heating I	4	_____
DRT	185	Computer Graphics I	2	_____
WEL	121	SMAW (STICK) Plate Welding I	3	_____
			18	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
COM	115	Speech or COM 116 Interpersonal Communication	3	_____
ELT	150	Applied Solid State Electronics	3	_____
HAC	131	Refrigeration and Air Conditioning I	4	_____
IDM	120	Safety and Environmental Management	2	_____
IAI Social and Behavioral Science Elective			3	_____
			15	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CMG	107	Construction Document Interpretation	3	_____
IDM	210	Hydraulics & Pneumatics	3	_____
MAC	200	Machine Tool Lab	4	_____
MFT	103	Industrial Robots & PLCs	3	_____
WEL	122	GMAW (MIG) Plate Welding	3	_____
			16	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MAT	113	OR MAT 112 Introduction to Contemporary Mathematics or MAT 100 Mathematics for Applied Technologies or MAT 119 or MAT 120 Elementary Statistics	3	_____
ELT	224	Power Distribution and Motors	3	_____
ENG	101	English Composition I[1] or ENG 113 Professional Technical Writing[1]	3	_____
HAC	107	Electrical Controls and Circuitry	3	_____
MFT	201	PLC Manufacturing Systems	3	_____
IAI Physical/Life Science or IAI Humanities/ Fine Arts Elective			3-5	_____
			18-20	

SECOND YEAR – SUMMER SEMESTER – OPTIONAL

Dept.	No.		Hrs.	Grade
INT	101	Internship[2]	1-3	_____

NOTES AND INFORMATION

[1] Requires a grade of "C" or higher.

Fall only courses:	Spring only courses:	
ELT 102	ELT 150	IDM 120
HAC 121	ELT 224	MFT 201
IDM 210	HAC 131	
MFT 103		

[1]Requires a grade of "C" or higher.

[2]Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

All students in this program will be required to furnish a basic tool set. The set includes the following:

Pliers
Needle Nose Pliers
Side Cutter (Diagonal) Pliers
Lineman's Pliers

Additional Tools
Pocket Knife for Stripping Cable (Lock-Back) or Cable Stripper
Wire Strippers
Digital Multimeter (DMM) - must measure volts, ohms, and milli-amps

Note: Cost varies from different suppliers.

Career Opportunities: Industrial Maintenance/repair position, facilities maintenance

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Certificate
in
Information System Technician

Career Curriculum: ELT 0106
Minimum Hours:15
Major Code: 1.2 470104
Effective Date: Fall 2023

Dept.	No.		Hrs.	Grade
ELT	111	Digital Electronics I	3	_____
ELT	210	Supporting Computer Operating Systems	3	_____
ELT	214	Fundamentals of Computing Hardware	3	_____
ELT	218	Introduction to Network Technologies	3	_____
MAT	113	OR MAT 112-Intro to Contemporary Math	3	_____
			15	

NOTES AND INFORMATION:

Career Opportunities: computer hardware engineer, computer technician, computer support specialists, network/computer support administrator, network installer.

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JALC
www.jalc.edu

Associate in Arts Degree
in
International Studies

Transfer Curriculum: 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 302001
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (9 HOURS)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (9 HOURS)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective (3)	_____	_____
HIS 101 (3) or Humanities Elective	_____	_____
HIS 102 (3) or Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (3 HOURS)

	Sem.	Grade
MAT Elective (3)	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 209, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (9 HOURS)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
ECO 201 (3)	_____	_____
ECO 202 (3)	_____	_____
PSC 212 or PSC 213 (3) or Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (7-8 HOURS)
One course must include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
Two years single Foreign Language (16)	_____	_____

(**Select a language through SPN 202, FRE 202 or GER 202**).
Note: Considering the wide variety of degree program options and focus, select courses accordingly with the assistance of an advisor and/or your transfer institution.

	Sem.	Grade
ORI 100 (1)	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

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IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

Associate in Applied Science
Interpreter Preparation

Career Curriculum IPP 0093
Minimum Hours: 70
Major Code: 1.2 161603
Effective Date: Spring 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
ENG	101	English Composition I[2]	3	_____
ASL	141	American Sign Language (ASL I) [1]	4	_____
COM	170	Nonverbal Communication	3	_____
ANT	216	Cultural Anthropology OR SOC 221 Race and Ethnicity	3	_____
			14	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
BIO	100	Biology for Non-Science Majors	4	_____
ASL	142	American Sign Language (ASL II)[1]	4	_____
IPP	151	Deaf Studies/Culture[1]	3	_____
IPP	201	Introduction to Interpreting[1]	4	_____
IPP	240	Fingerspelling and Numbers[1]	3	_____
			18	

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
COM	115	Speech OR COM 116 Interpersonal Communication	3	_____
			3	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ASL	143	American Sign Language (ASL III) [1]	5	_____
IPP	211	ASL Linguistics I[1]	3	_____
IPP	222	Interpreting ASL-English[1]	4	_____
IPP	231	Interpreting I[1]	4	_____
IPP	249	Field Experience I[1]	3	_____
			19	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
IPP	212	ASL Linguistics II[1]	3	_____
IPP	223	Introduction to Transliterating[1]	3	_____
IPP	250	Field Experience II[1]	3	_____
IPP	251	Interpreting II[1]	4	_____
MAT	113	OR MAT 112 Introduction to Contemporary Mathematics[3] OR BUS 111 Business Mathematics	3	_____
			16	

NOTES AND INFORMATION:

[1]All Program majors are required to have received a grade of "C" or higher in **ALL ASL and IPP** courses to continue in major.

[2] ENG 101 requires a grade of "C" or higher.

[3] Students transferring to SIU-C should take MAT 113 or MAT 112.

Career Opportunities: Graduates of this program could work as interpreters in the community, in colleges, Vocational Rehabilitation interpreting for employment training and job coaching, recreational activities and entertainment, and other places that interpreters are needed such as the public school system, they can tutor deaf and hard of hearing children, and provide other support services for deaf and hard of hearing children.

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JALC
www.jalc.edu

Associate in Science Degree
in
Mathematics

Transfer Curriculum 000AS 0087
Associate in Science: 63 Hrs. Min.
Major Code: 1.1 270101
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. The degree requirements as listed do not complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (2 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective (3)	_____	_____
PHL 121 or Humanities Elective (3)	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 131 (5)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective (3)	_____	_____
Social Science Elective (3)	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
BIO 101 (4) or Life Science Elective	_____	_____
PHY 205 (5) Spring Only or Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 110, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

Additional Associate in Science Degree Requirements
(Courses should be applicable to the desired major)

	Sem.	Grade
MAT 201-(5)	_____	_____
PHY 206 (5) Fall Only or Physical or Life Science Elective	_____	_____

	Sem.	Grade
ORI 100 (1)	_____	_____
CPS 206 (4) or Elective	_____	_____
MAT 202 (5)	_____	_____
MAT 205 (3) or General Elective	_____	_____
MAT 221 (3) or General Elective	_____	_____
PHY 205 (5) Spring Only or General Elective	_____	_____
PHY 206 (5) Fall Only or General Elective	_____	_____
Foreign Language (8) or General Electives	_____	_____

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JALC
www.jalc.edu

Associate in Arts Degree
in
Mathematics Education

Transfer Curriculum: 000AA 0086
Associate of Arts: 63 Hrs. Min.
Major Code: 1.1 270101
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (2 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective (3)	_____	_____
Humanities Elective (3)	_____	_____
Fine Arts or Humanities Elective (3)	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 131 (5)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSY 132 (3)	_____	_____
Social Science Elective (3)	_____	_____
Social Science Elective (3)	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
PHY 205 (5) Spring Only or Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
MAT 201 (5)	_____	_____
MAT 202 (3) or MAT 205 (3) or Elective	_____	_____
MAT 221 (3)	_____	_____
EDC 202 (3)	_____	_____
EDC 203 (3)	_____	_____
EDC 208 (3) or Elective	_____	_____
One Year Foreign Language or Elective (8)	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Engineering Science Degree in Mechanical Engineering

Transfer Curriculum AES 0096
Associate in Engineering Science:
68 Hrs. Min.
Major Code: 1.1 141901
Effective Date: Fall 2023

IAI GECC RECOMMENDATIONS (27-39 semester credits)
Since completion of the A.E.S degree does not complete the Illinois General Education Core Curriculum, students will need to complete the general education requirements of the school to which they transfer.

IAI INFORMATION: This guide follows the guidelines established by the IAI Engineering major Panel for an Associates in Engineering Science Degree. This guide is not designed to complete the full IAI GECC component. You will need to fulfill the remaining IAI GECC courses at your transfer institution.

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101 **or** SCI 100 STEM Fundamentals	1	
MAT	131	Calculus I	5	
ENG	101	English Composition I	3	
CHM	151	Chemical Principles	5	
EGR	101	Engineering Graphics **or** Elective	3	
			17	

FIRST YEAR - SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MAT	201	Calculus II	5	
PHY	205	University Physics I	5	
CPS	206	Computer Science I **or** CHM 152 Chemical Principles w/Qualitative Analysis	4-5	
ENG	102	English Composition II	3	
			17-18	

SECOND YEAR - FALL SEMESTER

Dept.	No.		Hrs.	Grade
MAT	202	Calculus III	3	
PHY	206	University Physics II	5	
PHY	201	Statics	3	
ECO	201	Macroeconomics **or** Social Science Elective	3	
IAI Life Science Elective **or** Elective			3-4	
			17-18	

SECOND YEAR - SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MAT	205	Differential Equations	3	
PHY	202	Dynamics	3	
PHY	203	Mechanics of Materials	4	
PHY	214	Intro to Circuit Analysis **or** PHY 224 Electric Circuit Analysis w/Lab	3-4	
ECO	202	Microeconomics **or** Social Science Elective	3	
IAI Elective			3	
			19-20	

Consult with the transfer institution to determine if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

Fall Only Courses:
EGR 101 CPS 215
CHM 201 PHY 201
CPS 215 PHY 206

Spring Only Courses:
CHM 202 PHY 203
CPS 206 PHY 205
MAT 205 PHY 214/224
PHY 202

Recommended Social Science electives: ANT 111, ANT 202, ANT 216, GEO 112, SOC 215. For other IAI Social Science Electives, see below.

Recommended Humanities/Fine Arts Electives: HIS 103, HIS 104, HIS 213, LIT 284, LIT 295, PHL 121, PHL 200. For other IAI Humanities, see below.

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216, 240
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Applied Science
Toward a Degree in
Mechatronics Engineering Technology

Career Curriculum 00ELT 3012
Minimum Hours: 68
Major Code: 1.2 150612
Effective Date: Fall 2023

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
ELT	102	Basic Electricity and Wiring	4	
ELT	111	Digital Electronics I	3	
MAT	111	Precalculus	5	
MFT	103	Industrial Robots & PLCs	3	
			16	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	103	Applied DC/AC Circuits	4	
ELT	112	Digital Electronics II	3	
ELT	150	Applied Solid State Electronics	3	
MFT	201	PLC Manufacturing Systems	3	
MAT	131	Calculus I	5	
			18	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ELT	151	Applied Solid State Circuits	3	
ELT	214	Fundamentals of Computing Hardware	3	
IDM	210	Hydraulics & Pneumatics	3	
PHY	155	College Physics I	5	
ENG	101	English Composition 1[2] OR ENG 113 Professional Technical Writing[2]	3	
			17	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
COM	115	Speech OR COM 116 Interpersonal Communication	3	
EGR	101	Engineering Graphics	3	
ELT	104	Introduction to VFDs	2	
ELT	210	Supporting Computer Operating Systems	3	
ELT	218	Introduction to Network Technologies	3	
ELT	224	Power Distribution and Motors	3	
			17	

NOTES AND INFORMATION

[2] Requires a grade of "C" or higher.

Fall only courses:	Spring only courses:	
ELT 111	ELT 103	ELT 218
ELT 151	ELT 104	ELT 224
ELT 214	ELT 112	MFT 201
IDM 210	ELT 150	
MFT 103	ELT 210	

Career Opportunities: Industrial Maintenance Engineering technicians solve technical problems in research and development, manufacturing, sales, construction, inspection, and maintenance. In manufacturing, the Industrial Maintenance Engineering technician may assist engineers and scientists, especially in research and development. Duties many include quality control, inspecting products and processes, conducting tests, repairing, and maintaining industrial equipment or collecting data.

JALC ELT Programs are education members of:

Institute of Electrical and Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08854

Association for Computing Machinery
1601 Broadway, 10th Floor
New York, NY 10019-7434

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JALC
www.jalc.edu

Associate in Arts Degree
in
Media Arts

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 090402
Effective Date: Fall 2024

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.=

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113
IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT Elective	_____	_____

IAI Mathematics Electives:
MAT 112, 113, 116, 117, 119, 120, 125/CPS 202, 131, 201, 202, 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective	_____	_____
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216, 240
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202
Political Science: PSC 131, 211, 212, 213, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
IAI PHYSICAL/LIFE SCIENCES (2 COURSES)-7 CREDITS
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215
IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
COM 116	_____	_____
COM 201	_____	_____
COM 210	_____	_____
COM 215	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
COM 219	_____	_____
Elective	_____	_____
Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Certificate
in
Medical Assistant*

Career Curriculum: MDA 2006
Minimum Hours: 35
Major Code:1.2 510801
Effective Date: Fall 2024

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
OFT	115	Keyboarding[1]	1	
NAD	101	Nursing Assistant Training[2]	7	
			8	

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
MDA	101	Introduction to Medical Assisting	1	
ALH	217	Medical Terminology	3	
MDA	128	Administrative Skills for Medical Assisting	8	
			12	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MDA	130	Pharmacology	3	
MDA	132	Medical Clinic Procedures	4	
MDA	133	Medical Office Laboratory Procedures	2	
MDA	134	Practical Skills for Medical Assisting[3]	6	
			15	

NOTES AND INFORMATION

*** All MDA courses must be taken in the sequence stated in the curriculum. Students must maintain a "C" or higher in all courses in order to graduate from the program.**

Drug screening, immunizations and criminal background checks are required for MDA 134.

[1] Proficiency exam is available for OFT 115 for students entering the program with a sound background in keyboarding. See your advisor or the chairperson of the Business, Computer and Mathematics Departments.

[2] NAD 101 must be completed by the end of the first semester or prior to application into the Medical Assistant program. Registration with the Illinois Department of Health-Health Care Worker Registry is required for background check purposes only.

[3] MDA 134 course requirements can be fulfilled by completing 160 hours of practical experience. Students may choose an Externships in the Spring or an Apprenticeship in the Fall and Spring semesters.

Career Opportunities: This certificate program is a concentrated program of study in medical assisting designed to train individuals to become multi-skilled professionals in an ambulatory healthcare setting. Medical assistants are allied health professionals who function as a member of a health care delivery team and perform routine, yet essential, administrative and clinical procedures.

Graduates are eligible to sit for the following certification exams:

- National Center for Competency Testing (NCCT)

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JALC
www.jalc.edu

Certificate
in
Medical Clerk

Career Curriculum: 00BUS 0017
Minimum Hours: 18
Major Code: 1.2 510716
Effective Date: Fall 2024

FALL SEMESTER

Dept.	No.		Hrs.	Grade
OFT	116	Keyboarding I[1]	3	
OFT	135	Office Language Skills	3	
ALH	217	Medical Terminology	3	
			9	

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
OFT	280	Computer Applications for the Medical Office	3	
OFT	270	Medical Office Procedures	3	
OFT	207	Computer Applications for Business	3	
			9	

NOTES AND INFORMATION

Spring Only Courses:
OFT 270
OFT 280

[1] Proficiency exam is available for OFT 116 (requiring a production test as well as 40 wpm with no more than three errors on a three-minute straight-copy timing) for students entering the program with a sound background in keyboarding. See your advisor or the chairperson of the Business Education Department for information.

Career Opportunities: Positions as a medical office receptionist, medical file clerk, hospital clerk, medical records clerk, intake clerk, and those formerly known as ward clerks.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Applied Science
Toward a Degree in
Medical Laboratory Technology

Career Curriculum MLT 0093
Minimum Hours: 65
Major Code: 1.2 511004
Effective Date: Spring 2011

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
BIO	205	Human Anatomy and Physiology I	4	
			4	

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
BIO	206	Human Anatomy and Physiology II	4	
CHM	141	General, Organic, and Biochemistry I[1]	4	
Any IAI Math		OR MAT 108 College Algebra	3-4	
MLT	120	Introduction to Clinical Lab	3	
			14-15	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
BIO	226	General Microbiology	4	
CHM	142	General, Organic, and Biochemistry II	4	
MLT	121	Serology	1.5	
MLT	122	Clinical Microscopy	1.5	
MLT	123	Phlebotomy	3	
			13	

SECOND YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
ENG	101	English Composition I[2]	3	
COM	115	Speech	3	
			6	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
MLT	223	Immunohematology (1st 10 1/2 weeks)	4	
MLT	228	Hematology and Hemostasis (1st 10 1/2 weeks)	5	
MLT	251	Clinical Rotation I (Last 6 1/2 weeks)	3	
			12	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MLT	225	Clinical Chemistry (1st 10 1/2 weeks)	4	
MLT	229	Applied Clinical Microbiology (1st 10 1/2 weeks)	5	
MLT	252	Clinical Rotation II (Last 6 1/2 weeks)	3	
PSY	132	General Psychology	3	
			15	

NOTES AND INFORMATION

*Retention in the MLT program requires that the MLT students earn a grade of "C" or better in all MLT and natural science courses (chemistry, microbiology, anatomy and physiology). The student must achieve a "C" average in the MLT curriculum in order to graduate. If a student fails an MLT or a required natural science course, the course must be repeated with a passing grade ("A", "B", or "C"). MLT courses are only offered once a year, so the student will have to wait to take courses until the prerequisite course has been completed with a passing grade. All courses must be taken in sequence as specified by course prerequisites unless permission is granted by the program director. "C" average = 2.0 on a 4- pt. scale; 3.0 on a 5-pt. scale.

Biology 205 should be taken prior to beginning the program.

[1] Students must have consent of instructor if they take MAT 108 concurrently.

[2] Requires a grade of "C" or higher.

Career Opportunities: Medical laboratory technician**.**

Major Employers: Clinical laboratories of hospitals, clinics, physician's offices, and other health care facilities performing laboratory procedures and diagnostic tests

MLT Program admission is non-discriminatory, but certain personal and physical attributes are key to success in the profession. These may include the following: good general physical health, good vision (may be corrected), good color vision, and good manual dexterity.

The MLT Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences, 5600 N. River Rd., Suite 720, Rosemont, IL 60018-5119, telephone: (773) 714-8880. Students who have completed the program requirements are eligible to take the national certification examination offered by the Board of Certification of the American Society of Clinical Pathologists (ASCP). The certified graduate may then use the title "MLT (ASCP)."

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Arts Degree
in
Music

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 500912
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
MUS 105	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective	_____	_____
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

Aural Skills, *Theory:	Sem.	Grade
ORI 100 (1)	_____	_____
MUS 108 (1)	_____	_____
MUS 109 (1)	_____	_____
MUS 121 (3)	_____	_____
MUS 122 (3)	_____	_____
MUS 208 (1)	_____	_____
MUS 209 (1)	_____	_____
MUS 221 (3)	_____	_____
MUS 222 (3)	_____	_____

*Music Majors take an evaluation exam during the first full week of MUS 121. Those needing remediation are required to take MUS 110 concurrently with MUS 121.

Ensemble:	Sem.	Grade
ORI 100 (1)	____	_____
MUS 101A or 102A (1)	____	_____
MUS 101A or 102A (1)	____	_____
MUS 101A or 102A (1)	____	_____
MUS 101A or 102A (1)	____	_____
Applied Music Instruction (Piano)	Sem.	Grade
ORI 100 (1)	____	_____
MUS 106 (1)	____	_____
MUS 111B (1)	____	_____
MUS 111B (1)	____	_____
MUS 111B (1)	____	_____
MUS 225 or Elective (3)	____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Fine Arts Degree
in
Music Education

Transfer Curriculum 00AFA 0089
Associate in Arts: 67 Hours
Major Code: 1.1 131312
Effective Date: Fall 2023

IAI GECC RECOMMENDATIONS (27-39 semester credits)
Since completion of the A.F.A degree does not complete the Illinois General Education Core Curriculum, students will need to complete the general education requirements of the school to which they transfer.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)

	Sem.	Grade
MUS 225 (3)	_____	_____
Fine Art Elective	_____	_____
Humanities Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113
IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
Math Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (1 COURSE)

	Sem.	Grade
PSY 132 or PSC 131 or Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
IAI Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215
IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 67 hours for the degree.)

	Sem.	Grade
ORI 100 (1)	_____	_____
EDC 202 or Elective	_____	_____
EDC 203 or Elective	_____	_____

	Sem.	Grade
Aural Skills, *Theory:		
MUS 108 (1)	_____	_____
MUS 109 (1)	_____	_____
MUS 121 (3)	_____	_____
MUS 122 (3)	_____	_____
MUS 208 (1)	_____	_____
MUS 209 (1)	_____	_____
MUS 221 (3)	_____	_____
MUS 222 (3)	_____	_____

*Music Majors take an evaluation exam during the first full week of MUS 121. Those needing remediation are required to take MUS 110 concurrently with MUS 121.

	Sem.	Grade
Ensemble		
MUS 101A or 102A (1)	____	_____
MUS 101A or 102A (1)	____	_____
MUS 101A or 102A (1)	____	_____
MUS 101A or 102A (1)	____	_____

	Sem.	Grade
Applied Music Instruction (Piano and Primary):		
MUS 106 (1)	____	_____
MUS 111B (1)	____	_____
MUS 111B (1)	____	_____
MUS 111B (1)	____	_____
MUS 211 (2)	____	_____
MUS 211 (2)	____	_____
MUS 211 (2)	____	_____
MUS 211 (2)	____	_____

PROGRAM INFORMATION: This program guide includes recommendations for the Associates in Fine Arts (AFA) degree. This degree requires up to 67 credits and does not require the full IAI GECC component, which can be completed upon transfer.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Fine Arts
in
Music Performance

Transfer Curriculum 00AFA 0088
Associate in Arts: 67 Hours
Major Code: 1.1 500901
Effective Date: Fall 2023

IAI GECC RECOMMENDATIONS (27-39 semester credits)
Since completion of the A.F.A degree does not complete the Illinois General Education Core Curriculum, students will need to complete the general education requirements of the school to which they transfer.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
MUS 105	_____	_____
Humanities Elective	_____	_____
MUS 225	_____	_____

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
Math Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119,MAT 120, MAT 125/CPS 202, MAT131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES) (7-8 hours)
One course must include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 67 hours)

	Sem.	Grade
ORI 100 (1)	_____	_____
MUS 108	_____	_____
MUS 109	_____	_____
MUS 208	_____	_____
MUS 209	_____	_____
MUS 121	_____	_____
MUS 122	_____	_____
MUS 221	_____	_____
MUS 222	_____	_____

*Music Majors take an evaluation exam during the first full week of MUS 121. Those needing remediation are required to take MUS 110 concurrently with MUS 121.

Ensemble:

	Sem.	Grade
MUS 101A or MUS 102A	_____	_____
MUS 101A or MUS 102A	_____	_____
MUS 101A or MUS 102A	_____	_____
MUS 101A or MUS 102A	_____	_____

Applied Music Instruction (Piano and Primary):

	Sem.	Grade
MUS 106	_____	_____
MUS 111B	_____	_____
MUS 111B	_____	_____
MUS 111B	_____	_____
MUS 211	_____	_____
MUS 211	_____	_____
MUS 211	_____	_____
MUS 211	_____	_____

PROGRAM INFORMATION: This program guide includes recommendations for the Associates in Fine Arts (AFA) degree. This degree requires up to 67 credits and does not require the full IAI GECC component, which can be completed upon transfer.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Applied Science
Associate Degree Nursing (ADN)*
Full-Time Program

Career Curriculum: ADN 15
Minimum Hours: 64.5
Major Code: 1.2 513801
Effective Date: Fall 2023

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
ORI	212	ADN Orientation	.5	
ALH	101	Cardiopulmonary Resuscitation OR ALH 102 CPR Recertification[1]	.5-1	
CHM	141	General, Organic, and Biochemistry I*	4	
			5-5.5	

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ADN	201	Health Assessment and Nursing Care	4	
ADN	202	Nursing Care of Adult I	7	
ADN	221	Family Nursing	5	
ADN	230	Advanced Pharmacology I	1.5	
			17.5	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ADN	213	Nursing Today & Tomorrow	2	
ADN	218	Mental Health Issues in Nursing	3	
ADN	220	Nursing Care of Adult II	7	
ADN	231	Advanced Pharmacology II	1.5	
BIO	226	Microbiology*	4	
			17.5	

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

NOTES AND INFORMATION

*** Students must complete either CHM 141 OR BIO 226 PRIOR to starting the ADN program. Students must maintain "C" or higher in all courses. All students must complete the practical nursing curriculum. All PN courses must be completed with a "C" or better prior to beginning ADN courses. It is strongly recommended that all ADN general education courses are completed prior to beginning the ADN program. Active and unencumbered Illinois LPN license is required prior to entering the first year, fall semester classes. The following courses are included in the minimum hours of this degree:**

Course			Credit Hours
BIO	205	Human Anatomy and Physiology I	4
BIO	206	Human Anatomy and Physiology II	4
PNE	101	Fundamentals of Nursing	3
PNE	105	Nursing Throughout the Life Cycle	1
PNE	161	Pharmacology in Nursing	2
PNE	171	Pharmacology in Nursing II	2
PNE	204	Adult Nursing I	2
PNE	206	Adult Nursing II	2
PNE	207	Medical/Surgical Clinic	3
PNE	208	Mental Health Nursing	1
PNE	209	I.V. Therapy (or comparable I.V. course)	.5
		TOTAL CREDIT HOURS	**24.5**

A national licensure examination test must be passed in order to be employed in this career.

[1] Students must be certified in CPR annually (ALH 101) before starting Clinical Rotations.

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Additional Information: The Associate Degree Nursing Program provides practical nurses the opportunity to achieve an associate degree in nursing and take the NCLEX-RN Exam; builds on the practical nurse program of education in communication skills, nursing process, anatomy, physiology, pathophysiology, pharmacology, and basic nursing skills; provides appropriate educational opportunities to prepare the graduate to adhere to standards and scope of practice as set forth in the Illinois Nursing Act and American Nursing Association; and creates an environment that encourages lifelong learning and professional development.

This unique program is designed to prepare the student for the practice of professional nursing as defined in the Illinois Nurse Practice Act of 2017 and meets the requirements for schools approved for associate degree nursing by the Illinois Department of Financial Professional Regulation (IDFPR).

The applicant should contact the Testing Services Office at the College. The Associate Degree Nursing Program entry packet can be located at the following link www.jalc.edu/admissions/restricted-allied-health-admission. The steps to be followed are specified in the packet.

In addition to completing a college application, the applicant must be able to do the following:

- provide proof of successful completion of an approved school of practical nursing
- successfully complete the associate degree nursing pre-entrance examination and the ASSET Test
- must possess an unencumbered active Illinois LPN license.

The selection procedures are listed in the admissions packet.

JALC
www.jalc.edu

Associate in Applied Science Nursing-ADN (Hybrid Online) Full-Time Program

Career Curriculum: ADN 16
Minimum Hours: 66.5
Major Code: 1.2 513801
Effective Date: Spring 2024

FALL SEMESTER

Dept.	No.		Hrs.	Grade
CHM	141	General, Organic, and Biochemistry I*	4	_____

The above coursework must be completed before starting the ADN Hybrid Online Program.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ALH	101	Cardiopulmonary Resuscitation OR ALH 102 CPR Recertification[1]	.5-1.0	_____
ORI	212	ADN Orientation	.5	_____
ADN	203	Intro to Conceptual Framework[1]	3	_____
ADN	206	Cardiovascular Nursing Interventions	3	_____
ADN	212	Psychiatric Nursing Interventions	2	_____
BIO	226	Microbiology *	4	
			13-13.5	

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
ADN	205	Respiratory Nursing Intervention	3	_____
ADN	223	Pediatric Nursing Interventions	2	_____
			5	

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ADN	207	Metabolic/Endocrine Nursing Interventions	3	_____
ADN	210	GI/GU Nursing Interventions	3	_____
ADN	226	Neuro/Sensory Nursing Interventions	3	_____
ADN	230	Advanced Pharmacology I	1.5	_____
			10.5	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ADN	224	Obstetrical Nursing Interventions	2	_____
ADN	225	Ortho/Derm Nursing Interventions	3	_____
ADN	228	Nursing Leadership Today & Tomorrow	3	_____
ADN	231	Advanced Pharmacology II	1.5	_____
			9.5	

NOTES AND INFORMATION:

*Students must complete either CHM 141 OR BIO 226 **PRIOR** to starting the ADN Hybrid Online program and the remaining course **MUST BE** completed during the first year spring semester.

Students must maintain "C" or higher in all courses. All students must complete the practical nursing curriculum and be listed as good standing as an LPN on IDFPR with LPN licensure.

All courses listed below must be completed with a "C" or better prior to beginning ADN Hybrid Online courses. The following courses are included in the minimum hours of this degree:

Course			Credit Hours
BIO	205	Human Anatomy and Physiology I	4
BIO	206	Human Anatomy and Physiology II	4
PNE	101	Fundamentals of Nursing	3
PNE	105	Nursing Throughout the Life Cycle	1
PNE	161	Pharmacology in Nursing	2
PNE	171	Pharmacology in Nursing II	2
PNE	204	Adult Nursing I	2
PNE	206	Adult Nursing II	2
PNE	207	Medical/Surgical Clinic	3
PNE	208	Mental Health Nursing	1
PNE	209	I.V. Therapy (or comparable I.V. course)	.5
		TOTAL CREDIT HOURS	**24.5**

A national licensure examination test must be passed in order to be employed in this career.

[1] Students must be certified in CPR annually (ALH 102 CPR Recertification) before starting Clinical Rotations.

Additional Information: The Associate Degree Nursing Program provides practical nurses the opportunity to achieve an associate degree in nursing and take the NCLEX-RN Exam; builds on the practical nurse program of education in communication skills, nursing process, anatomy, physiology, pathophysiology, nutrition, pharmacology, psychology, and basic nursing skills; provides appropriate educational opportunities to prepare the graduate to adhere to standards and scope of practice as set forth in the Illinois Nursing Act; and creates an environment that encourages lifelong learning and professional development.

This unique program is designed to prepare the student for the practice of professional nursing as defined in the Illinois Nursing Act and meets the requirements for schools approved for associate degree nursing by the Illinois Department of Professional Regulation.

Admission packets can be viewed online at Restricted Allied Health Admission at www.jalc.edu/admissions/restricted-allied-health-admission. The steps to be followed are specified in the packet.

In addition to completing a college application, the applicant must be able to do the following:

- provide proof of successful completion of an approved school of practical nursing
- successfully complete the associate degree nursing pre-entrance examination
- provide proof of sound health to practice nursing; and be eligible for nursing licensure in Illinois.

The selection procedures are listed in the admissions packet.

Career Opportunities: Specializations include obstetrics, surgery, intensive care unit, medical/surgical, emergency room, pediatrics, dialysis, case management, public health, insurance, office nursing and administration, home health.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Applied Science
Associate Degree Nursing (ADN)*
Part-Time Program

Career Curriculum ADN 15
Minimum Hours: 64.5
Major Code: 1.2 513801
Effective Date: Fall 2023

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
ORI	212	ADN Orientation	.5	
ALH	101	Cardiopulmonary Resuscitation OR ALH 102 CPR Recertification[1]	.5-1	
CHM	141	General, Organic, and Biochemistry I*	4	
			5-5.5	

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ADN	201	Health Assessment and Nursing Care	4	
ADN	202	Nursing Care of Adult I	7	
			11	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ADN	218	Mental Health Issues in Nursing	3	
ADN	230	Advanced Pharmacology I	1.5	
			4.5	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ADN	221	Family Nursing	5	
BIO	226	General Microbiology[2*]	4	
			9	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ADN	213	Nursing Today & Tomorrow	2	
ADN	220	Nursing Care of Adult II	7	
ADN	231	Advanced Pharmacology II	1.5	
			10.5	

NOTES AND INFORMATION

*** Students must complete either CHM 141 OR BIO 226 PRIOR to starting the ADN program. Students must also maintain "C" or higher in all courses. All students must complete the practical nursing curriculum. All PN courses must be completed with a "C" or better prior to beginning ADN courses. It is strongly recommended that all ADN general education courses are completed prior to beginning the ADN program. Active and unencumbered Illinois LPN license is required prior to entering the first year, fall semester classes. The following courses are included in the minimum hours of this degree:**

Course		Credit Hours
BIO 205	Human Anatomy and Physiology I	4
BIO 206	Human Anatomy and Physiology II	4
PNE 101	Fundamentals of Nursing	3
PNE 105	Nursing Throughout the Life Cycle	1
PNE 161	Pharmacology in Nursing	2
PNE 171	Pharmacology in Nursing II	2
PNE 204	Adult Nursing I	2
PNE 206	Adult Nursing II	2
PNE 207	Medical-Surgical Nursing II	3
PNE 208	Mental Health Nursing	1
PNE 209	I.V. Therapy (or comparable I.V. course)	.5
TOTAL CREDIT HOURS		**24.5**

A national licensure examination test must be passed in order to be employed in this career.

[1] Students must be certified in CPR annually before starting Clinical Rotations.

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Additional Information: The Associate Degree Nursing Program provides practical nurses the opportunity to achieve an associate degree in nursing and take the NCLEX-RN Exam; builds on the practical nurse program of education in communication skills, nursing process, anatomy, physiology, pathophysiology, pharmacology, and basic nursing skills; provides appropriate educational opportunities to prepare the graduate to adhere to standards and scope of practice as set forth in the Illinois Nurse Practice Act of 2017 and American Nursing Association, and creates an environment that encourages lifelong learning and professional development.

This unique program is designed to prepare the student for the practice of professional nursing as defined in the Illinois Nurse Practice Act of 2017 and meets the requirements for schools approved for associate degree nursing by the Illinois Department of Financial and Professional Regulation (IDFPR).

The applicant should contact the Testing Services Office at the College. The Associate Degree Nursing Program entry packet can be located at the following link http://www.jalc.edu/admissions/restricted-allied-health-admission . The steps to be followed are specified in the packet.

In addition to completing a college application, the applicant must be able to do the following:

- provide proof of successful completion of an approved school of practical nursing
- successfully complete the associate degree nursing pre-entrance examination and the ASSET Test
- possess an unencumbered active Illinois LPN license.

The selection procedures are listed in the admissions packet.

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JALC
www.jalc.edu

Certificate
in
Nursing Assistant

Career Curriculum: 00NAD 0055
Minimum Hours: 7
Major Code: 1.2 513902
Effective Date: Fall 2008

Dept.	No.		Hrs.	Grade
NAD	101	Nursing Assistant Training	7	
			7	

NOTES AND INFORMATION

Additional Information: This course is designed for students interested in becoming nursing assistant. Students receive training that will enable them to work in hospitals, long-term care facilities, or other health care facilities. A criminal background check is completed as a part of the program. This program is approved by the Illinois Department of Public Health.

Career Opportunities:

- Acute Care Hospitals
- Nursing Homes Long-term Care
- Rehabilitation Centers
- Assisted Living Centers
- Home Health

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JALC
www.jalc.edu

Certificate
in
Office Assistant

Career Curriculum: 00BUS 0016
Minimum Hours: 21
Major Code: 1.2 520401
Effective Date: Fall 2024

FALL SEMESTER

Dept.	No.		Hrs.	Grade
OFT	116	Keyboarding I[1]	3	
OFT	135	Office Language Skills	3	
OFT	207	Computer Applications for Business	3	
			9	

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ENG	101	English Composition	3	
OFT	237	Office Procedures	3	
MAT	113	OR MAT 112 Introduction to Contemporary Mathematics[2] OR BUS 111 Business Mathematics[2]	3	
COM	115	Speech[2] OR COM 116 Interpersonal Communication	3	
			12	

NOTES AND INFORMATION

[1] Proficiency exam is available for OFT 116 (requiring a production test as well as 40 wpm with no more than three errors on a three-minute straight-copy timing) for students entering the program with a sound background in keyboarding. See your advisor or the chairperson of the Business Education Department for information.

[2] Students pursuing the Health Care Management Capstone Option at SIUC or a baccalaureate degree at another institution should take MAT 113 or MAT 112 and COM 115.

Career Opportunities: Positions as an office assistant or a general office clerk are available in almost every area of the economy. Those industries employing the largest number include local government, general medical and surgical hospitals, elementary and secondary schools, colleges, universities, professional schools, and employment services.

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JALC
www.jalc.edu

Certificate
in
Personal Trainer

Career Curriculum: PED2023
Minimum Hours: 34
Major Code: 1.2 310507
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
BIO	105	Humans in Society	4	_____
PED	126	Beginning Weight Training	1	_____
ALH	101	Cardiopulmonary Resuscitation	1	_____
PED	149	Intro to Personal Training	3	_____
PED	151	Fitness Assessment & Program Design	3	_____
PTR	250	Personal Training Beginner Practicum	4	_____
			17	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
SPM	101	Intro to Sport Management	3	_____
PSY	132	Psychology	3	_____
HTH	100	Nutrition	3	_____
PED	152	Group Fitness Instruction	3	_____
PTR	251	ACE Certification Prep	1	_____
PTR	252	Personal Training Advanced Practicum	4	_____
			17	

NOTES AND INFORMATION

Career Opportunities:

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Certificate
in
Phlebotomy

Career Curriculum PHB2023
Minimum Hours:16
Major Code: 1.2 511009
Effective Date: Fall 2024

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
ALH	101	Cardiopulmonary Resuscitation	1	_____
HIT	217	Medical Terminology	3	_____
MLT	120	Intro to Clinical Laboratory	3	_____
PHB	101	Phlebotomy Didactic	2	_____
PHB	102	Phlebotomy Practicum	6	_____
			16	

NOTES AND INFORMATION

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and time lines of this document.

Associate in Arts Degree
in
Physical Education/Kinesiology Teacher Education

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (9 HOURS)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (9 HOURS)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Fine Arts or Humanities Elective		

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (3 HOURS)

	Sem.	Grade
Math Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (9 HOURS)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSY 132 or Social Science Elective	_____	_____
Social Science Elective	_____	_____
Social Science Elective		

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (7 HOURS)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
BIO 105 or Elective	_____	_____
EDC 202 or Elective	_____	_____
EDC 203 or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Science Degree
in
Physics

Transfer Curriculum 000AS 0087
Associate in Science: 63 Hrs. Min.
Major Code: 1.1 400801
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. The degree requirements as listed do not complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four-year institution.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher) (3)	_____	_____
ENG 102 (C grade or higher) (3)	_____	_____
COM 115 Speech (3)	_____	_____

IAI HUMANITIES AND FINE ARTS (2 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective (3)	_____	_____
Humanities Elective (3)	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 131 (5)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (6 HOURS)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective (3)	_____	_____
Social Science Elective (3)	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216, 240
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202
Political Science: PSC 131, 211, 212, 213, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
IAI PHYSICAL/LIFE SCIENCES (2 COURSES)-7 CREDITS
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
BIO 101 (4) or Life Science Elective (4-3)	_____	_____
PHY 205 (5) – Spring Only	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

Additional Associate in Science Degree Requirements
(Courses should be applicable to the desired major)

	Sem.	Grade
MAT 201 (5)	_____	_____
PHY 206 (5) - Fall Only	_____	_____

	Sem.	Grade
ORI 100 (1) or SCI 100 (1)	_____	_____
CHM 151 or Elective (5-3)	_____	_____
CHM 152 of Elective (5-3)	_____	_____
MAT 202 or Elective (3)	_____	_____
MAT 221 or Elective (3)	_____	_____
Foreign Language or Elective	_____	_____

IAI PHYSICS MAJOR PANEL INFORMATION
Take PHY 205 (IAI PHY 911), PHY 206 (PHY 912), MAT 131 (MTH 901) and CHM 151 (CHM 911).

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Arts Degree
in
Political Science

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs.
Major Code: 1.1 451001
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113
IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
Math Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSC 131	_____	_____
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215
IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
PSC 211 or Elective	_____	_____
PSC 212 or Elective	_____	_____
PSC 213 or Elective	_____	_____
PSC 289 or Elective	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Certificate
in
Nursing-Practical Nursing
Full-Time Program

Career Curriculum: 00LPN 0061
Minimum Hours: 35.5
Major Code: 1.2 513901
Effective Date: Fall 2024

FIRST SEMESTER - SUMMER

Dept.	No.		Hrs.	Grade
ORI	111	PN Orientation[1]	.5	_____

SECOND SEMESTER – FALL

Dept.	No.		Hrs.	Grade
ALH	101	Cardiopulmonary Resuscitation OR ALH 102 CPR Recertification [1]	.5-1	_____
BIO	205	Anatomy & Physiology I [2]	4	_____
PNE	101	Fundamentals of Nursing	3	_____
PNE	102	Nursing Procedures	2	_____
PNE	103	Clinical Nursing	1.5	_____
PNE	105	Nursing throughout the Life Cycle	1	_____
PNE	161	Pharmacology in Nursing I	2	_____
PNE	208	Mental Health Nursing	1	_____
COM	115	Speech OR COM 116 Interpersonal Communication	3	_____
			18 – 18.5	

THIRD SEMESTER – SPRING

Dept.	No.		Hrs.	Grade
BIO	206	Anatomy & Physiology II	4	_____
PNE	171	Pharmacology in Nursing II	2	_____
PNE	183	Maternal and Newborn Health	1.5	_____
PNE	184	Obstetric Clinical	.5	_____
PNE	193	Pediatric Nursing	1.5	_____
PNE	204	Adult Nursing I	2	_____
PNE	206	Adult Nursing II	2	_____
PNE	207	Medical/Surgical Clinic	3	_____
PNE	209	I.V. Therapy	.5	_____
			17	

NOTES AND INFORMATION

* Students must maintain a "C" or higher in all courses.
Students will be **required** to complete ALH 101 OR ALH 102 the Fall semester. No student will be exempt from this requirement.

[1] Students must be certified in CPR annually before starting clinical rotation.

[2] BIO 205 Human Anatomy and Physiology I must be completed by the end of the first semester or prior to program admittance. No prior credit will be given if a grade lower than a "C" was earned. It is strongly recommended that students without a high school or college background in biology take BIO 100 or 101 or 105 prior to BIO 205.

Additional Information:

The Practical Nursing Program is designed to provide an individual with the knowledge and skills to function as a safe and effective member of the health care team in the role of the practical nurse. Classroom theory, laboratory practice, and clinical experience are included in this three-semester certificate program. This program is accredited by the Illinois Department of Professional Regulations, and the ICCB. The accreditation and approval of these agencies allow a graduate of the program to do the following:

1. Write the NCLEX-PN Examination. (This is the licensing examination that a graduate of any nursing program must pass in order to be employed as a practical nurse.)
2. Be employed as a practical nurse in any health care setting of choice, including state and federal institutions.

In addition to completing a College application, the applicant must be able to do the following: provide proof of graduation from an accredited high school, or possess a G.E.D. certificate; successfully complete the practical nursing pre-entrance examination, including mathematics and communication, ASSET Test or COMPASS Test, and provide proof of sound health to practice nursing.

The selection procedures are listed in the admission packet.
http://www.jalc.edu/nursing/practical-nursing-program

Career Opportunities:

- Medical office practices
- Flu clinics
- Home Health; Private Duty (especially disabled pediatric homebound patients)
- Nursing Homes
- Assisted Living Centers
- Senior Citizen Centers
- Rehabilitation Centers

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and time lines of this document.

JALC
www.jalc.edu

Certificate
in
Nursing-Practical Nursing
Part-Time Program

Career Curriculum: 00LPN 0061
Minimum Hours: 35.5
Major Code: 1.2 513901
Effective Date: Fall 2023

FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	111	PN Orientation[1]	.5	_____
BIO	205	Human Anatomy and Physiology I[2]	4	_____
BIO	206	Human Anatomy and Physiology II[3]	4	_____
COM	115	Speech OR COM 116 Interpersonal Communication[3]	3	_____
			11.5	

The above coursework must be completed in the time frame denoted in notes and information.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ALH	101	Cardiopulmonary Resuscitation or ALH 102 CPR Recertification[4]	.5-1	_____
PNE	101	Fundamentals of Nursing	3	_____
PNE	102	Nursing Procedures	2	_____
PNE	103	Clinical Nursing	1.5	_____
PNE	161	Pharmacology in Nursing I	2	_____
			9-9.5	

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
PNE	105	Nursing throughout the Life Cycle	1	_____
PNE	193	Pediatric Nursing	1.5	_____
			2.5	

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
PNE	171	Pharmacology in Nursing II	2	_____
PNE	204	Adult Nursing I	2	_____
PNE	209	I.V. Therapy	.5	_____
			4.5	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
PNE	183	Maternal and Newborn Health	1.5	_____
PNE	184	Obstetric Clinical	.5	_____
PNE	206	Adult Nursing II	2	_____
PNE	207	Medical/Surgical Clinic	3	_____
PNE	208	Mental Health Nursing	1	_____
			8	

NOTES AND INFORMATION

* Students must maintain a "C" or higher in all courses.

[1] Students must complete ORI 111 4-6 weeks before start of the LPN program.

[2] BIO 205 Human Anatomy and Physiology I must be completed by the end of the first semester or prior to program admittance. No prior credit will be given if a grade lower than a "C" was earned. It is strongly recommended that students without a high school or college background in biology take BIO 100 or 101 or 105 prior to BIO 205.

[3] BIO 206 and COM 115 or COM 116 must be completed prior to program completion.

[4] Students must be certified in CPR annually before starting clinical rotation. Students will be required to complete ALH 101 during the first-year spring semester.

Additional Information:

The Practical Nursing Program is designed to provide an individual with the knowledge and skills to function as a safe and effective member of the health care team in the role of the practical nurse. Classroom theory, laboratory practice, and clinical experience are included in this four-semester certificate program. This program is accredited by the Illinois Department of Professional Regulations, and the ICCB. The accreditation and approval of these agencies allow a graduate of the program to do the following:

1. Write the NCLEX-PN Examination. (This is the licensing examination that a graduate of any nursing program must pass in order to be employed as a practical nurse.)

2. Be employed as a practical nurse in any health care setting of choice, including state and federal institutions.

In addition to completing a College application, the applicant must be able to do the following: provide proof of graduation from an accredited high school, or possess a G.E.D. certificate; successfully complete the practical nursing pre-entrance examination, including mathematics and communication, ASSET Test or COMPASS Test, and provide proof of sound health to practice nursing.

The selection procedures are listed in the admission packet.
http://www.jalc.edu/nursing/practical-nursing-program

Career Opportunities:

- Medical office practices
- Flu clinics
- Home Health; Private duty (especially disabled pediatric home bound patients)
- Nursing Homes
- Assisted Living Centers
- Senior Citizen Centers
- Rehabilitation Centers
- Hospitals

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JALC
www.jalc.edu

Associate in Arts Degree
Pre-BSN

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code:1.1 511105
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (9 HOURS)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (9 HOURS)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
PHL 111 Ethics and Moral Problems	_____	_____
PHL 121 or Humanities or Fine Arts Elective[1]	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (3 HOURS)

	Sem.	Grade
MAT 119 or MAT 120 Elementary Statistics	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (9 HOURS)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSY 132	_____	_____
SOC 133 or SOC 221	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (7-8 HOURS)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
BIO 105 or Life Science Elective[1]	_____	_____
CHM 141 (4)	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
BIO 205 Anatomy & Physiology I (4)	_____	_____
BIO 206 Anatomy & Physiology II(4)	_____	_____
BIO 226 Microbiology (4)	_____	_____
CHM 142 General, Organic & Biochemistry II or Elective [1](4)	_____	_____
HTH 100 Human Nutrition or Elective[1](3)	_____	_____
MAT 108 College Algebra or MAT 112 or MAT 113 Contemporary Math or Elective (3)	_____	_____
Elective (3)	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Science Degree
in
Pre-Chiropractic

Transfer Curriculum 000AS 0087
Associate in Science: 63 Hrs. Min.
Major Code: 1.1 511106
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. The degree requirements as listed do not complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four-year institution.

IAI COMMUNICATIONS (9 HOURS)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (6 HOURS)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective (3)	_____	_____
PHL 121 or Humanities Elective (3)	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (3 HOURS)

	Sem.	Grade
MAT Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (6 HOURS)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSY 132 (3)	_____	_____
Social Science Elective (3)	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216, 240
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202
Political Science: PSC 131, 211, 212, 213, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 221, 250, 263, 264

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

Additional Associate in Science Degree Requirements
(Courses should be applicable to the desired major)

	Sem.	Grade
MAT 108 (4)	_____	_____
BIO 102 (4)	_____	_____

	Sem.	Grade
ORI 100 (1) or SCI 100 (1)	_____	_____
MAT 109 (3)	_____	_____
CHM 151 (5)	_____	_____
CHM 152 (5)	_____	_____
CHM 201 (5)	_____	_____
CHM 202 (5)	_____	_____
PHY 156 (5)	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

IAI PHYSICAL/LIFE SCIENCES (9 HOURS)
One course must include a lab component.

	Sem.	Grade
BIO 101 (4)	_____	_____
PHY 155 (5)	_____	_____

JALC
www.jalc.edu

Associate in Arts Degree
in
Pre-Law

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs.
Major Code: 1.1 220001
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
PHL 121 or Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
Math Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSC 131 or Social Science Elective	_____	_____
PSC 212 or Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
PSC 220 or Elective	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Science Degree
in
Pre-Pharmacy

Transfer Curriculum 000AS 0087
Associate in Science: 63 Hrs. Min.
Major Code: 1.1 511103
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. The degree requirements as listed do not complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four-year institution.

IAI COMMUNICATIONS (9 HOURS)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (6 HOURS)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
PHL 111 or PHL 121 or PHL 131 (3)	_____	_____
IAI Literature Course (3)	_____	_____

IAI Fine Arts Electives:
Literature: LIT 275

IAI MATHEMATICS (3 HOURS)

	Sem.	Grade
MAT 282 (3)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (6 HOURS)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSY 132 or SOC 133 (3)	_____	_____
ECO 201 or ECO 202 (3)	_____	_____

IAI PHYSICAL/LIFE SCIENCES (9 HOURS)
One course must include a lab component.

	Sem.	Grade
BIO 101 (4)	_____	_____
PHY 155 (5)	_____	_____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

Additional Associate in Science Degree Requirements
(Courses should be applicable to the desired major)

	Sem.	Grade
BIO 102 (4)	_____	_____
MAT 131 (4)	_____	_____

	Sem.	Grade
ORI 100 (1) or SCI 100 (1)	_____	_____
BIO 205 (4)	_____	_____
BIO 206 (4)	_____	_____
BIO 226 (4)	_____	_____
CHM 151 (5)	_____	_____
CHM 152 (5)	_____	_____
CHM 201 (5)	_____	_____
CHM 202 (5)	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Science Degree
in
Pre-Physical Therapy

Transfer Curriculum 000AS 0087
Associate in Science: 63 Hrs. Min.
Major Code: 1.1 511109
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. The degree requirements as listed do not complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four-year institution.

IAI COMMUNICATIONS (9 HOURS)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (6 HOURS)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective (3)	_____	_____
PHL 111 (3)	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI MATHEMATICS (3 HOURS)

	Sem.	Grade
MAT 282 (3)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (6 HOURS)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSY 132 (3)	_____	_____
SOC 133 (3)	_____	_____

IAI PHYSICAL/LIFE SCIENCES (9 HOURS)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
BIO 101 (4)	_____	_____
PHY 155 (5)	_____	_____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

Additional Associate in Science Degree Requirements
(Courses should be applicable to the desired major)

	Sem.	Grade
MAT 108 (4)	_____	_____
BIO 102 (4)	_____	_____

	Sem.	Grade
ORI 100 (1) or SCI 100 (1)	_____	_____
CHM 151 or CHM 141 (5-4)	_____	_____
CHM 152 or CHM 142 (5-4)	_____	_____
BIO 105 or BIO 205 (4)	_____	_____
MAT 131 (5)	_____	_____
MAT 109 (4)	_____	_____
PHY 156 (5)	_____	_____
HIT 217 (3)	_____	_____
PSY 270 (3)		

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Science Degree
in
Pre-Physicians Assistant

Transfer Curriculum 000AS 0087
Associate in Science: 63 Hrs. Min.
Major Code: 1.1 511102
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. The degree requirements as listed do not complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four-year institution.

IAI COMMUNICATIONS (9 HOURS)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher) (3)	_____	_____
ENG 102 (C grade or higher) (3)	_____	_____
COM 115 Speech (3)	_____	_____

IAI HUMANITIES AND FINE ARTS (6 HOURS)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective (3)	_____	_____
Humanities Elective (3)	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113
IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (3 HOURS)

	Sem.	Grade
MAT 282 (3)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (6 HOURS)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSY 132 (3)	_____	_____
Social Science Elective (3)	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216, 240
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202
Political Science: PSC 131, 211, 212, 213, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (9 HOURS)
One course must include a lab component.

	Sem.	Grade
BIO 101 (4)	_____	_____
PHY 155 (5)	_____	_____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

Additional Associate in Science Degree Requirements
(Courses should be applicable to the desired major)

	Sem.	Grade
MAT Elective (3-5 credits)	_____	_____
BIO 205 (4)	_____	_____
	Sem.	Grade
ORI 100 (1) or SCI 100 (1)	_____	_____
HIT 217 (3)	_____	_____
BIO 206 (4)	_____	_____
Credits applicable to intended BS Degree		
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Science Degree
in
Pre-Professional Dental, Medicine, Optometry, and Podiatry

Transfer Curriculum 000AS 0087
Associate in Science: 63 Hrs. Min.
Major Code: 1.1 511199
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. The degree requirements as listed do not complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four-year institution.

IAI COMMUNICATIONS (9 HOURS)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (6 HOURS)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective (3)	_____	_____
PHL 121 (3)	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI MATHEMATICS (3 HOURS)

	Sem.	Grade
MAT 282 (3)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (6 HOURS)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSY 132 (3)	_____	_____
SOC 133 (3)	_____	_____

IAI PHYSICAL/LIFE SCIENCES (9 HOURS)
One course must include a lab component.

	Sem.	Grade
BIO 101 (4)	_____	_____
PHY 155 (5)	_____	_____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

Additional Associate in Science Degree Requirements
(Courses should be applicable to the desired major)

	Sem.	Grade
BIO 102 (4)	_____	_____
MAT 108 (4)	_____	_____

	Sem.	Grade
ORI 100 (1) or SCI 100 (1)	_____	_____
MAT 109 (3)	_____	_____
PHY 156 (5)	_____	_____
PSY 200 (3)	_____	_____
CHM 151 (5)	_____	_____
CHM 152 (5)	_____	_____
CHM 201 (5)	_____	_____
CHM 202 (5)	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Science Degree
in
Pre-Veterinary Medicine

Transfer Curriculum: 000AS 0087
Associate in Science: 63 Hrs. Min.
Major Code: 1.1 011302
Effective Date: Spring 2024

GENERAL EDUCATION (IAI GECC, 37 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. The degree requirements as listed do not complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (2 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective (3)	_____	_____
Humanities Elective (3)	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 282 or Math Elective (3-5)	_____	_____

MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective (3)	_____	_____
Social Science Elective (3)	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
BIO 101 (4)	_____	_____
PHY 155 (5)	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 110, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

Additional Associate in Science Degree Requirements
(Courses should be applicable to the desired major)

	Sem.	Grade
BIO 102 (4)	_____	_____
MAT 108 (4)	_____	_____

	Sem.	Grade
ORI 100 (1) or SCI 100 (1)	_____	_____
MAT 109 (3)	_____	_____
CHM 151 (5)	_____	_____
CHM 152 (5)	_____	_____
CHM 201 (5)	_____	_____
PHY 156 (5)	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Arts Degree
in
Psychology

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs.
Major Code: 1.1 420101
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
PHL 121 or Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 119 or MAT 120 or 282	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSY 132 (Recommended in the first semester)	_____	_____
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and one must include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)		
PSY 200-offered in spring only	_____	_____
PSY 270-offered in fall only	_____	_____
PSY 203 or Elective (PSY 203-offered in spring only)	_____	_____
PSY 262 or Elective	_____	_____
PSY 285 or Elective (PSY 285-offered in fall only)	_____	_____
Foreign Language (6-8)	_____	_____
MAT 108, 111, 112,113, or 131 or Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

Associate in Applied Science
Toward a Degree in
Small Business Management

Career Curriculum BUS 2006
Minimum Hours: 61
Major Code: 1.2 520201
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
BUS	110	Introduction to Business	3	
ENG	101	English Composition I[1]	3	
MAT	113	OR MAT 112 Introduction to Contemporary Mathematics OR BUS 111 Business Mathematics	3	
MKT	113	Principles of Marketing	3	
MKT	130	Sales	3	
			16	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	100	Business Accounting	3	
IAI Humanities/Fine Arts Elective OR IAI Physical Science/Life Science Elective			3	
COM	115	Speech	3	
Business Elective[2]			3	
Business Elective[2]			3	
			15	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
BUS	222	Legal/Social Environment of Business	3	
BUS	235	Business Communication	3	
BUS	255	Customer Service	3	
OFT	207	Computer Applications for Business	3	
ECO	201	Introduction to Macroeconomics OR ECO 202 Introduction to Microeconomics	3	
			15	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	105	Payroll Accounting	3	
MGT	112	Principles of Management	3	
MGT	228	Small Business Management	3	
MKT	224	Advertising	3	
PSY	132	General Psychology	3	
			15	

NOTES AND INFORMATION

Fall Only Courses:

BUS 255
MKT 130
MKT 113

Spring Only Courses:

ACC 105 MKT 224
OFT 105
MGT 112
MGT 228

[1] Requires a grade of "C" or higher.

[2] Business electives may include the following prefixes: ACC, BUS, CIS, ECO, MGT, MKT (recommended OFT 104, OFT 120, CIS 220, CIS 240)

Career Opportunities: entry-level management positions in retail management, sales management, office management, and restaurant management; possible career opportunities within local, state, and federal government agency facilities.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Arts Degree
in
Social Work

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs.
Major Code: 1.1 440701
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113
IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 120, 282, or Math Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSC 131 or Social Science Elective	_____	_____
PSY 132 or Social Science Elective	_____	_____
ECO 201, 202, or Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
BIO 100 or BIO 101	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215
IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
SOCW 275 (3)	_____	_____
SOCW 280 (3)	_____	_____
SOC 133 (3) or Elective	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Arts Degree
in
Sociology

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs.
Major Code: 1.1 451101
Effective Date: Spring 2024

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 120, 116, or Math Elective	_____	_____

IAI Mathematics Electives:
MAT 112, MAT 113, MAT 116, MAT 117, MAT 119, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
SOC 133	_____	_____
ANT 111, 216, or Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
SOC 220 (3) or Elective	_____	_____
SOC 221 (3) or Elective	_____	_____
SOC 263 (3) or Elective	_____	_____
SOC 250 (3) or Elective	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
Elective	_____	_____

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

JALC
www.jalc.edu

Associate in Arts Degree
in
Special Education

Transfer Curriculum 000AA 0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 131001
Effective Date: Fall 2023

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)
The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
COM 115 Speech	_____	_____

IAI HUMANITIES AND FINE ARTS (3 COURSES)
At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

	Sem.	Grade
Fine Arts Elective	_____	_____
Humanities Elective	_____	_____
Humanities or Fine Arts Elective	_____	_____

IAI Fine Arts Electives:
Art: ART 111, 220, 221, 291
Literature: LIT 275
Music: MUS 105, 225
Theater: THE 113

IAI Humanities Electives:
Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 209	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)
At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
PSY 132 or Social Science Elective	_____	_____
Social Science Elective	_____	_____
Social Science Elective	_____	_____

IAI Social and Behavioral Sciences Electives:
Anthropology: ANT 111, 202, 216
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES) 7-8 HOURS
One course must be at least 4 credit hours and include a lab component.

	Sem.	Grade
SCI 210A or Physical Science Elective	_____	_____
SCI 210B or Life Science Elective	_____	_____

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:
Chemistry: CHM 141, 151
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS
(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree. Students should select elective hours that will allow them to complete this 63-hour requirement.) Pre-requisite courses may be required before taking these electives. Consult with your advisor.

	Sem.	Grade
ORI 100 (1)	_____	_____
MAT 208 (3)	_____	_____
CIS 207 or Elective (3)	_____	_____
HTH 110 or Elective (2)	_____	_____
EDC 202 or Elective (3)	_____	_____
EDC 203 or Elective (3)	_____	_____
EDC 208 or Elective (3)	_____	_____
Elective	_____	_____
Elective	_____	_____
*Non-Western Civilization/Culture Course (3)	_____	_____

*Select one of the following as GECC credit: ANT 202, 216, GEO 112, HIS 103,104,213, PHL 200, 260, or PSC 213

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Associate in Applied Science
Toward a Degree in
Surgical Technology

Career Curriculum STP 2021
Minimum Hours: 61.5
Major Code: 1.2 510909
Effective Date: Summer 2023

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
BIO	205	Anatomy & Physiology I	4	_____
HIT	217	Medical Terminology	3	_____
MAT	104	Mathematics for Applied Health	3	_____
STP	121	Introduction to Surgical Technology	3	_____
			13	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
BIO	206	Anatomy & Physiology II	4	_____
STP	122	Principles & Practices	7	_____
STP	127	Pharmacology for Surgical Technology	3	_____
			14	

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
ENG	101	English Composition I or ENG 113[1] Professional Technical Writing	3	_____
STP	123	Surgical Procedures I	2	_____
STP	125	Clinical Rotation I	2.5	_____
			7.5	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
BIO	226	General Microbiology	4	_____
STP	225	Surgical Procedures II	5	_____
STP	226	Clinical Rotation II	5	_____
			14	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
COM	115	Speech or COM 116 Interpersonal Communication	3	_____
STP	227	Surgical Procedures III	5	_____
STP	228	Clinical Rotation III	5	_____
			13	

NOTES AND INFORMATION

The program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), by recommendation of the Accreditation Review Committee on Education in Surgical Technology. Graduates of the accredited Surgical Technology program will sit for the National Certifying Exam for Surgical Technologists. It is administered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA), which is accredited by the National Commission for Certifying Agencies (NCCA). Successful completion of this exam confers the title of Certified Surgical Technologist (CST).

The Surgical Technology Program is accredited by:
Commission on Accreditation of Allied Health Education Programs
25400 U.S. Highway 19 North
Suite 158
Clearwater, FL 33763

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John A. Logan College

Certificate
Toward a Degree in
Surveying Technician

Career Curriculum CMG 2020
Minimum Hours:14
Major Code: 1.2 151102
Effective Date: Fall 2020

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CMG	100	Construction Orientation	1	
CMG	104	Building Layout	4	
CMG	130	Surveying I	3	
			8	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CMG	131	Surveying II	3	
CMG	218	CAD for Residential Construction	3	
			6	

NOTES AND INFORMATION

Fall Only Courses:
CMG 100
CMG 104

Spring Only Courses:
CMG 218

Career Opportunities: Certified Surveying Technician

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The Surveying Technician Certificate Program (CMG2020) is an ICCB approved extension of the Construction Management Technology Associate in Applied Science Degree (CMG0033)

Associate in Applied Science
Toward a Degree in
Welding Technology

Career Curriculum WEL2010
Minimum Hours: 63
Major Code: 1.2 480508E
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	
MAT	113	OR MAT 100 Mathematics for Applied Technologies	3	
WEL	115	Metallurgy	2	
WEL	120	OXYFUEL Welding, Cutting & Brazing	3	
WEL	121	SMAW (STICK) Plate Welding I	3	
WEL	122	GMAW(MIG) Plate Welding	3	
			15	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ENG	101	English Composition I[1] OR ENG 113 Professional Technical Writing[1]	3	
MAC	180	Blueprint Reading	3	
WEL	123	SMAW(STICK) Plate Welding II	3	
WEL	124	GTAW(TIG) Plate Welding I	3	
WEL	125	Weld Testing and Inspection	3	
			15	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
IDM	210	Hydraulics and Pneumatics	3	
MAC	200	Machine Tool Laboratory	4	
COM	115	Speech OR COM 116 Interpersonal Communications	3	
DRT	185	Computer Graphics I	2	
WEL	126	SMAW(STICK) Welding III	3	
WEL	127	Welding & Metal Fabrication	3	
			18	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CMG 107 Construction Document Interpretation			3	
IAI Physical/Life Science OR IAI Humanities/ Fine Arts Elective			3-5	
IAI Social and Behavioral Science Elective			3	
WEL	128	Pipe Welding	3	
WEL	129	GTAW(TIG) Welding II	3	
			15-17	

NOTES AND INFORMATION

Fall only courses:

IDM 210
MAC 200

[1] Requires a grade of "C" or higher.

Prerequisite: **OSHA 10-hour General Certification**

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Career Opportunities: Upon successful completion of the AAS degree, the student will have the opportunity to enter the workforce as a welding technician. The program will prepare graduates for entry into union trades positions including boilermakers, plumbers & pipefitters, structural steel workers, rail car repair and general maintenance; small and medium job shops.

JALC Welding Program is an educational member of:

American Welding Society
8669 NW 36 Street
Suite 130
Doral, FL 33166

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JALC
www.jalc.edu

Certificate
in
Welding Technology

Career Curriculum 00WEL0060
Minimum Hours: 23
Major Code: 1.2 480508
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
WEL	115	Metallurgy	2	
WEL	120	Oxyfuel Welding, Cutting and Brazing	3	
WEL	121	SMAW(STICK) Plate Welding I	3	
WEL	122	GMAW(MIG) Plate Welding I	3	
			11	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MAC	180	Blueprint Reading	3	
WEL	123	SMAW(STICK) Plate Welding II	3	
WEL	124	GTAW(TIG) Plate Welding I	3	
WEL	125	Weld Testing & Inspection	3	
			12	

NOTES AND INFORMATION

Prerequisite: OSHA 10-hour General Certification

Career Opportunities: Upon successful completion of the Welding Technology Certificate, the student will have the opportunity to enter the workforce as a welding technician. The program will prepare graduates for entry into union trades positions including boilermakers, plumbers & pipefitters, structural steel workers, rail car repair and general maintenance; small and medium job shops.

JALC Welding Program is an educational member of:

American Welding Society
8669 NW 36 Street
Suite 130
Doral, FL 33166

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Certificate
in
BASIC GMAW (MIG)Welding Technology

Career Curriculum: WEL 62
Minimum Hours: 8
Major Code: 1.2 480508
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
WEL	115	Metallurgy	2	_____
WEL	120	OXYFUEL Welding, Cutting & Brazing	3	_____
WEL	122	GMAW (MIG) Plate Welding	3	_____
			8	

NOTES AND INFORMATION

Prerequisite: OSHA 10-hour General Certification

Career Opportunities: Upon successful completion of the Welding Technology Certificate, the student will have the opportunity to enter the workforce as a welding technician. The program will prepare graduates for entry into union trades positions including boilermakers, plumbers & pipefitters, structural steel workers, rail car repair and general maintenance; small and medium job shops.

JALC Welding Program is an educational member of:

American Welding Society
8669 NW 36 Street
Suite 130
Doral, FL 33166

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Certificate
in
Basic GTAW (TIG)Welding Technology

Career Curriculum WEL 61
Minimum Hours: 9
Major Code: 1.2 480508
Effective Date: Spring 2022

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MAC	180	Blueprint Reading	3	_____
WEL	124	GTAW(TIG) Plate Welding I	3	_____
WEL	129	GTAW(TIG) Welding II	3	_____
			9	

NOTES AND INFORMATION

Prerequisite: OSHA 10-hour General Certificate

Career Opportunities: Upon successful completion of the Welding Technology Certificate, the student will have the opportunity to enter the workforce as a welding technician. The program will prepare graduates for entry into union trades positions including boilermakers, plumbers & pipefitters, structural steel workers, rail car repair and general maintenance; small and medium job shops.

JALC Welding Program is an educational member of:

American Welding Society
8669 NW 36 Street
Suite 130
Doral, FL 33166

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Certificate
in
Basic SMAW (Stick)Welding Technology

Career Curriculum: WEL 60
Minimum Hours: 8
Major Code: 1.2 480508
Effective Date: Fall 2024

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
WEL	115	Metallurgy	2	
WEL	120	OXYFUEL Welding, Cutting & Brazing	3	
WEL	121	SMAW (STICK) Plate Welding I	3	
			8	

NOTES AND INFORMATION

Prerequisite: OSHA 10-hour General Certification

Career Opportunities: Upon successful completion of the Welding Technology Certificate, the student will have the opportunity to enter the workforce as a welding technician. The program will prepare graduates for entry into union trades positions including boilermakers, plumbers & pipefitters, structural steel workers, rail car repair and general maintenance; small and medium job shops.

JALC Welding Program is an educational member of:

American Welding Society
8669 NW 36 Street
Suite 130
Doral, FL 33166

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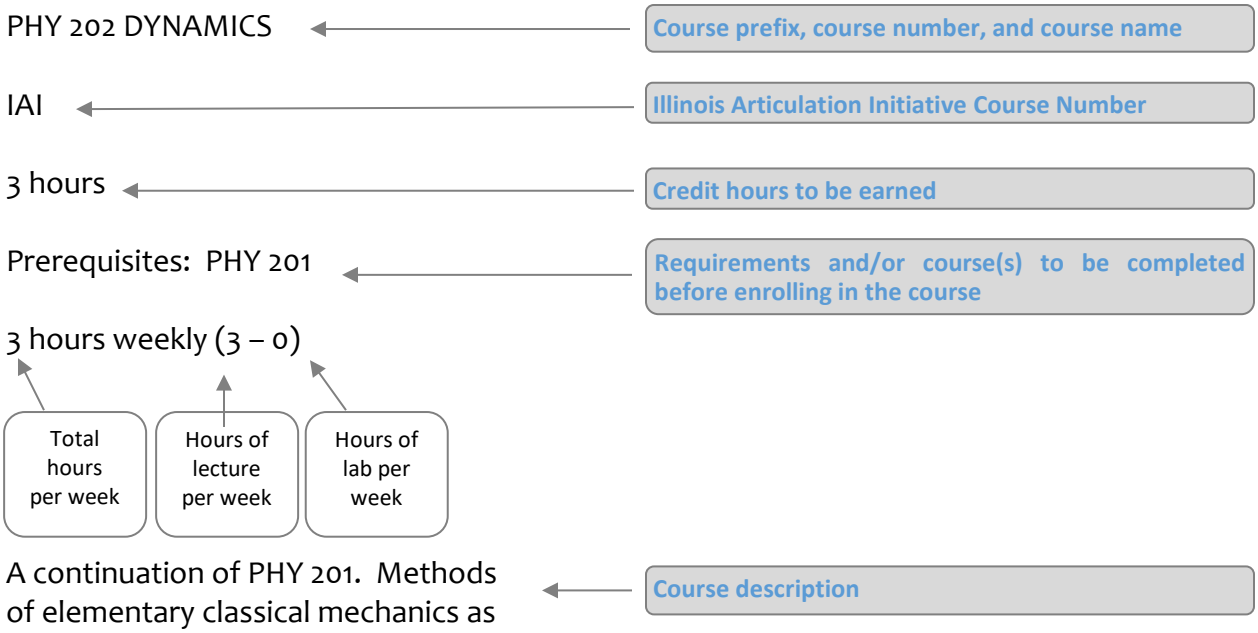
Course Descriptions

Detailed course descriptions for course offerings in all subject areas are linked below. The following diagram describes how to find key information for each course.

Course Descriptions Explained



Please follow the links below for current detailed course descriptions in all subject areas:

Subject Area and Link to PDF
Accounting (ACC)
Adult Cardiac Diagnostic Medical Sonography (DMS)
Agriculture (AGR)
Air Force ROTC (AFS)
Allied Health (ALH)
American Sign Language (ASL)
Anthropology (ANT)
Army Military Science (AMS)
Art (ART)
Associate Degree Nursing (ADN)
ATI 200 Applied Technologies Internship (ATI)

Automotive Collision Technology (ACT)
Automotive Services Technology (AST)
Biological Science (BIO)
Business (BUS)
Chemistry (CHM)
Communication (COM)
Computer Information Systems (CIS)
Computer Science (CPS)
Construction Management Technology (CMG)
Cosmetology (COS)
Criminal Justice (CRJ)
Dental Assisting (DNA)
Digital Media Technology (DMT)
Drafting Technology (DRT)
Early Childhood Education (ECE)
Economics (ECO)
Education (EDC)
Electronics (ELT)
Emergency Medical Services (EMS)
Emergency Medical Technician (EMT)
Engineering Graphics (EGR)
English (ENG)
French (FRE)
Geography (GEO)
German (GER)
Health (HTH)
Health Information Technology (HIT)
Heating and Air Conditioning (HAC)
History (HIS)
Hospitality (HSP)
Independent Study (IDS)
Industrial Maintenance (IDM)
Industrial Processes (IND)
Interdisciplinary (Special) Topics (ITD)
Internship (INT)
Interpreter Preparation (IPP)
Literature (LIT)
Machine Tools (MAC)
Management (MGT)
Manufacturing Technology (MFT)
Marketing (MKT)
Mathematics (MAT)
Medical Assistant (MDA)
Medical Laboratory Technology (MLT)
Music (MUS)
Nursing Assistant Training (NAD)
Orientation (ORI)
Personal Trainer (PTR)
Philosophy (PHL)
Phlebotomy (PHB)

Physical Education Development (PED)
Physical Education Development/Education Courses (PEDE)
Physical Science (PHS)
Physics (PHY)
Political Science (PSC)
Practical Nursing (PNE)
Psychology (PSY)
Recreation (REC)
Science, Integrated (SCI)
Social Work (SOCW)
Sociology (SOC)
Spanish (SPN)
Sports Management (SPM)
Surgical Technology (STP)
Surveying (SRV)
Theater (THE)
Travel and Tourism (TRT)
Volunteerism (VOL)
Welding (WEL)

Accounting (ACC)

ACC 100 Business Accounting

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is a practical accounting course for non-accounting majors. It includes a study of the elements of accounting, accounting procedures, conceptual framework, business transactions, common journals, posting, trial balance, worksheet, adjusting entries, income statement, balance sheet, statement of owner's equity, closing entries, post-closing trial balance, accounting for cash, accounting for purchases and sales, and payroll accounting.

ACC 105 Payroll Accounting

3 Hours

Prerequisites: ACC 100 or ACC 200 or consent of department chair

3 hours weekly (3-0)

Introduction to payroll accounting as related to business. Includes law related to payroll, wages and salaries, social security taxes, income tax withholding, unemployment compensation taxes, and payroll transactions.

ACC 200 Financial Accounting I

IAI – BUS 903

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Financial Accounting is designed to be a complete learning package for the first accounting course at the college level. Financial Accounting presents accounting as an information system that produces summary financial statements, primarily for users external to a business or other enterprise. Students study the forms of business organizations and the common transactions entered into by businesses. The emphasis is on understanding and applying basic accounting principles and other concepts that guide the reporting of the effect of transactions and other economic events on the financial condition and operating results of a business. How to analyze and interpret historical financial statements and the limitation of using these in making forward-looking business decisions are included. The course will expose the students to such topics as ethics, alternative forms of business organizations, typical business practices, legal instruments and financial statements. Woven throughout all of this is the step-by-step instruction needed to understand and apply the concepts, principles, and practices of the modern accounting system according to generally accepted accounting principles.

ACC 201 Financial Accounting II

IAI – BUS 903

3 Hours

Prerequisites: ACC 200

3 hours weekly (3-0)

Financial Accounting II is designed to complement the learning process started in Financial Accounting I. This course will continue the study of the forms of business organization and the transactions required for the owner's equity section of partnerships and corporations. The primary content will be accounting for current and long-term assets and liabilities, stock and bond transactions from both the issuer's and the buyer's perspective, corporate financial statements, including accounting for cash flow, extraordinary items, discontinued operations, changes in accounting principles, income taxes, and financial statement analyses.

Present value will be introduced in conjunction with the valuation of both assets and liabilities.

ACC 202 Managerial Accounting

IAI – BUS 904

3 Hours

Prerequisites: ACC 201 (SIU 220) and sophomore standing

3 hours weekly (3-0)

This course provides an introduction to accounting techniques used by internal company managers when they are faced with planning, directing, controlling and decision-making activities in their organizations. Managerial accounting is presented as a system of producing information for use in internally managing a business. The course emphasizes the identification, accumulation, and interpretation of information for planning, controlling, and evaluating the performance of separate components of a business. Included is the identification and measurement of the costs of producing goods or services and how to analyze and control these costs. Decision models commonly used in making specific short- and long-term business decisions are also included. Accounting information can be used to identify and analyze alternatives and to guide the manager to a course of action that will yield the greatest benefit to the firm. While the major emphasis in financial accounting is on the accumulation and presentation of historical accounting data to external decision-makers, the emphasis in managerial accounting is on the presentation and analysis of that data to the internal decision-makers.

ACC 218 Tax Accounting

3 Hours

Prerequisites: ACC 201

3 hours weekly (3-0)

Introduction to federal income tax structure as related to the individual and to the small business person. Includes individual income tax return, gross income and exclusions, business income and expenses, itemized deductions, other incentives, credits, and special taxes.

ACC 225 Integrated Accounting on Computers

3 Hours

Prerequisites: ACC 100 or ACC 200 or consent of department chair

3 hours weekly (3-0)

Introduction to computerized accounting programs. Includes accounts payable, accounts receivable, depreciation, financial statements, general ledger, inventory, and payroll.

Adult Cardiac Diagnostic Medical Sonography (DMS)

DMS 104 Diagnostic Ultrasound Foundations
3 Hours

Prerequisites: Acceptance into Diagnostic Medical Sonography Program
3 hours weekly (3-0)

A study of clinical medicine pertinent to sonography including obtaining the clinical history and related clinical signs and symptoms from the patient chart or interview. Diagnostic testing pertinent to the ultrasound diagnosis and specialized medical terminology are discussed and defined. Medication terminology, classification and administration will be introduced. Ultrasound equipment, equipment controls, laboratory setup, and the beginning physical principles associated with diagnostic medical sonography are discussed. Quality control, medical ethics, legal issues, and ergonomics associated with diagnostic medical sonography are discussed and defined.

DMS 200 Medical Physics and Instrumentation
5 Hours

Prerequisites: DMS 104, DMS 202, DMS 204, and DMS 206
5 hours weekly (5-0)

This course will cover ultrasound instrumentation and the physical principles of sound, ultrasound, and Doppler pertinent to sonography. Emphasis will be placed on propagation principles, transducer parameters, interactive properties of ultrasound with human tissues, and quality control procedures.

DMS 202 Cardiac Anatomy and Physiology
4 Hours

Prerequisites: Acceptance into Diagnostic Medical Sonography Program
4 hours weekly (4-0)

This course is a study of the cardiac and vascular anatomy and physiology in the normal and abnormal patient. The hemodynamics, pathology, and pathophysiology of the cardiac system are discussed and analyzed. The pathology, clinical signs and symptoms, diagnostic testing, and treatment of various cardiac diseases are discussed. This is an Internet course.

DMS 204 Cardiac Ultrasound Imaging/Lab I
6 Hours

Prerequisites: Acceptance into Diagnostic Medical Sonography Program
8 hours weekly (4-4)

This course will cover the basic terminology, anatomy, instrumentation, and physical principles necessary for the student to begin two-dimensional and M-mode ultrasound scanning of the normal heart. The laboratory component of Cardiac Ultrasound Imaging is designed for the student to practice applications of basic scanning techniques and protocols with emphasis on the normal heart.

DMS 206 Cardiac Ultrasound Clinic I
3 Hours

Prerequisites: Acceptance into Diagnostic Medical Sonography Program. The student must have and maintain a current CPR certificate, a negative two-step TB test (or negative chest x-ray) and health insurance.
9 hours weekly (0-9)

This course is a supervised clinical experience, which will cover basic cardiac scanning techniques and protocols with emphasis on observation of two-dimensional and M-mode scanning of the normal heart. This course is designed for the student to observe applications of the principles and concepts taught in Cardiac Ultrasound Imaging and observe a functioning ultrasound department.

DMS 224 Cardiac Ultrasound Imaging/Lab II
6 Hours

Prerequisites: DMS 104, DMS 202, DMS 204, DMS 206
8 hours weekly (4-4)

This course will cover the basic terminology, anatomy, instrumentation, and physical principles necessary for the student to begin color flow, cardiac Doppler, and two-dimensional and M-mode ultrasound scanning of the abnormal and normal heart. The laboratory component of Cardiac Ultrasound Imaging and Lab II will cover scanning techniques and protocols with emphasis on color flow, cardiac Doppler, and two-dimensional and M-mode ultrasound scanning of the abnormal heart. This course also provides the students the opportunity to practice scanning techniques and protocols. This course is taught with problem-based learning techniques.

DMS 226 Cardiac Ultrasound Clinic II
6 Hours

Prerequisites: DMS 104, DMS 202, DMS 204, DMS 206. The student must have and maintain a current CPR certificate, a negative two-step TB test (or negative chest x-ray) and health insurance.
18 hours weekly (0-18)

The clinical component of Cardiac Ultrasound Imaging II, this course is a supervised clinical experience which will cover cardiac scanning techniques and protocols with emphasis on color flow, cardiac Doppler, and two-dimensional and M-mode ultrasound scanning of the normal heart. This course is designed for the student to practice cardiac ultrasound techniques and observe a functioning ultrasound department.

DMS 230 Cardiac Seminar
2 Hours

Prerequisites: Concurrent enrollment with DMS 246
2 hours weekly (2-0)

Advanced study of cardiac ultrasound physics and echocardiography in preparation for the certifying examinations. A review of case studies and "mock" examinations will help the student to focus on his/her individual problem areas. This is an Internet course.

DMS 236 Cardiac Ultrasound Clinic III
5 Hours

Prerequisites: DMS 200, DMS 224, DMS 226, a current CPR certificate, a negative two-step TB test (or negative chest x-ray) and health insurance
15 hours weekly (0-15)

This course is a continuation of the clinical component of Cardiac Ultrasound Imaging II, and is a supervised clinical experience covering cardiac-scanning techniques and protocols with emphasis on two-dimensional, M-modes, color flow, and cardiac Doppler ultrasound scanning of the normal and abnormal heart. The course is designed for the students to practice cardiac ultrasound techniques and observe a functioning ultrasound department.

DMS 246 Cardiac Ultrasound Clinic IV
10 Hours

Prerequisites: DMS 236, a negative two-step TB test (or negative chest x-ray) and health insurance
30 hours weekly (0-30)

The clinical component of Cardiac Ultrasound Imaging IV is a supervised clinical experience which will cover cardiac scanning techniques and protocols with emphasis on stress, transesophageal, intra-operative, and contrast echocardiograms, echo-guided maneuvers, and provocative measures utilized with echocardiograms.

AGRICULTURE (AGR)

AGR 101 Agriculture Economics

IAI AG 901

3 hours

Prerequisite: None

3 hours weekly (3-0)

An introduction to the principles of economics with a focus on the agricultural industry. The course is designed to learn or reinforce basic economic principles and apply them to agriculture. These principles include supply and demand, trade, elasticity, government policies, market efficiencies and inefficiencies, the costs of production, international trade and an introduction to macroeconomic policies.

AGR 102 Introduction to Crop Science

IAI AG 903

4 hours

Prerequisite: None

5 hours weekly (3-2)

This course will study the science and practices of the production of important agricultural crops in Illinois. In addition, the environmental factors effecting crop growth such as climate, light, air, soil composition and soil fertility will be studied. The classification and identification will be investigated as well.

AGR 103 Introduction to Horticulture

IAI AG 905

3 hours

Prerequisite: None

4 hours weekly (2-2)

An introduction to the principles and practices in the development, production, and use of horticultural crops. The course will cover the chemical, biological and environmental conditions for plant growth, as well as seed propagation and asexual reproduction. In addition, insects/diseases and their control in the greenhouse will be covered too.

AGR 104 Introduction to Soil Science

IAI AG 904

3 hours

Prerequisites: None

4 hours weekly (2-2)

An introduction to the chemical, physical, and biological properties of soils; the origin, classification, and distribution of soils and their influence on people and food production; the management and conservation of soils; and the environmental impact of soil use.

AGR 111 Introduction to Agriculture Education

IAI AG 911

3 hours

Prerequisite: None

3 hours weekly (3-0)

An introduction to the philosophy of education, in general, and career and technical education, specifically; the history of and current issues in agriculture education and the FFA; the nature of the educative process; the characteristics, duties, and responsibilities of successful teachers; the components of a successful agriculture program; the role of professional organizations in agriculture education; state teacher certification requirements; edTPA, Illinois agriculture education organizations and initiatives, and student differences for individualized instruction. Includes directed observation of agriculture teachers in school classrooms.

AGR 112 Computers in Agriculture

IAI AG 913

3 hours

Prerequisites: None

4 hours weekly (2-2)

Designed for students in agriculture with a focus on computer hardware, file manipulation, printers and the use of word processing, electronic presentations and communications, graphics, spreadsheet, database management with the MS Office Suite. Also includes solution of agriculture data-related problems and use of prepared software used in the agriculture industry.

AGR 121 Introduction to Animal Science

IAI AG 902

4 hours

Prerequisite: None

5 hours weekly (3-2)

A comprehensive view of the livestock industry as a science. Study is based upon biological principles with application to modern livestock management practices for beef, dairy cattle, swine, sheep, goats, poultry and horses. Includes animal breeds, breeding and selection; anatomy, physiology, nutrition, growth; environment, animal behavior, animal health; and current trends in the animal industry. Laboratory to supplement lectures and discussions.

AGR 122 Introduction to Agriculture Mechanics

IAI AG 906

3 hours

Prerequisite: None

4 hours weekly (2-2)

An introduction to agricultural power and machinery, agricultural electrification and applications, construction planning and tools, surveying and soil/water conservation as well as metal fabrication. A major emphasis of this introductory course will be applied applications of proper tool usage and procedures for basic agricultural mechanic skills.

AGR 141 Agricultural Sales

3 hours

Prerequisite: None

3 hours weekly (3-0)

This course provides an understanding of the basic principles underlying the sales process in agricultural supply and service firms. The student will become familiar with the role of the sales professional, the psychology of selling and the sales process.

AGR 151 Intro to Agribusiness Management

4 hours

Prerequisite: None

5 hours weekly (3-2)

The functions of management applied to the problems of agricultural supply and production businesses will be studied. Topics to be covered include resource analysis, budgeting, planning applied to agriculture production and agribusinesses, merchandise and inventory management and labor management. The major focus of this class will be on planning and budgeting.

AGR 161 Agribusiness Applications

2 hours

Prerequisites: None

2 hours weekly (2-0)

Applications of mathematics and calculations as it applies to the operation of grain and livestock farms, agriculture business and horticulture.

AGR 181 Precision Agriculture

IAI AG 907

3 hours

Prerequisites: None

4 hours weekly (2-2)

A comprehensive introduction to the tools and features of ArcGIS Desktop. Students will learn how to find, use, make and share maps. They will also learn how to build geodatabases, query data, and analyze geospatial data.

Air Force ROTC (AFS)

AFS 101 Heritage and Values, Part I

1 Hour (Same as AS101 at SIUC)

Prerequisites: Concurrent enrollment in AFS 101A

Heritage and Values I. Part 1 of a 2-part course. This is a survey course designed to introduce students to the Department of the Air Force (DAF) and provides an overview of the basic characteristics, missions, and organization of the Air and Space Forces. Course is open to all students.

AFS 101A Leadership Laboratory

2 Hours (Same as AS101A at SIUC)

Prerequisites: Concurrent enrollment in AFS 101

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Department of the Air Force second lieutenants and complement the AFROTC academic program. It is a student planned, organized, and executed practicum conducted under the supervision of the Detachment Commander and Operations Flight Commander.

AFS 102 Heritage and Values, Part II

1 Hour (Same as AS102 at SIUC)

Prerequisites: Concurrent enrollment in AFS 102A.

Heritage and Values 2. Part 2 of a 2-part course. This is a survey course designed to introduce students to the Department of the Air Force (DAF) and provides an overview of the basic characteristics, missions, communications and organization of the Air and Space Forces.

AFS 102A Leadership Laboratory

2 Hours (Same as AS102A at SIUC)

Prerequisites: Concurrent enrollment in AFS 102

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Department of the Air Force second lieutenants and complement the AFROTC academic program. It is a student planned, organized, and executed practicum conducted under the supervision of the Detachment Commander and Operations Flight Commander.

AFS 201 Team and Leadership Fundamentals, Part I

1 Hour (Same as AS201 at SIUC)

Prerequisites: Concurrent enrollment in AFS 201A

Team and Leadership Fundamentals I. Part 1 of a 2-part course. This course provides a fundamental understanding of both leadership and team building. The lessons and course flow are designed to prepare students for field training and leadership positions in the detachment.

AFS 201A Leadership Laboratory

2 Hours (Same as AS201A at SIUC)

Prerequisites: Concurrent enrollment in AFS201

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Department of the Air Force second lieutenants and complement the AFROTC academic program. It is a student planned, organized, and executed practicum conducted under the

supervision of the Detachment Commander and Operations Flight Commander.

AFS 202 Team and Leadership Fundamentals, Part II

1 Hour (Same as AS202 at SIUC)

Prerequisites: Concurrent enrollment in AFS 202A

Team and Leadership Fundamentals II. Part 2 of a 2-part course. This course provides a fundamental understanding of both leadership and team building. The lessons and course flow are designed to prepare students for field training and leadership positions in the detachment.

AFS 202A Leadership Laboratory

2 Hours (Same as AS202A at SIUC)

Prerequisites: Concurrent enrollment in AFS202

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Department of the Air Force second lieutenants and complement the AFROTC academic program. It is a student planned, organized, and executed practicum conducted under the supervision of the Detachment Commander and Operations Flight Commander.

Allied Health (ALH)

ALH 101 Cardiopulmonary Resuscitation

1 Hour

Prerequisites: None

1 hour weekly (1-0)

A basic course designed to prepare students in emergency cardiopulmonary care with emphasis on early signs of cardiopulmonary problems, immediate care of the cardiopulmonary victim, and methods of accessing the emergency medical system. Beginning first aid procedures are also discussed.

ALH 102 CPR Recertification

.5 Hour

Prerequisites: CPR certification nearing expiration or expiration within the previous 6 months

8 hours total

A recertification course designed for those whose basic CPR card is nearing expiration or has expired within the previous six months. Early identification of cardiopulmonary distress, the immediate care for the victim, and methods of obtaining appropriate assistance for the victim will be stressed.

ALH 110 Issues in Health and Patient Care

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course focuses on current legal and ethical issues in sonography and in health care delivery. An overview of sonography practice, present trends and associations will be discussed. Infection control, an analysis of death and dying and medical asepsis are introduced. Care of the patient with emphasis placed on basic human needs, communication, physical assessment skills and patient positioning is introduced.

ALH 112 Pathophysiology and Terminology

3 Hours

Prerequisites: BIO 206 with a grade of "C" or higher

3 hours weekly (3-0)

This course is designed to further the student's knowledge of pathophysiological disorders and basic terminology.

ALH 217 Medical Terminology

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is an introduction to medical terminology which includes word building principles; basic anatomy and physiology; key anatomical and physiological terms; combining forms, suffixes, and prefixes. In addition, students will learn how to listen critically for important terms, respond to others using medical terminology, and generate their own terminology-rich writing and speech.

American Sign Language (ASL)

ASL 141 American Sign Language (ASL I)

4 Hours

Prerequisites: None

4 hours weekly (4-0)

This course is designed for students who have no knowledge of American Sign Language and for individuals with previous knowledge of sign language but not American Sign Language. A grade of "C" or higher must be achieved to advance to second-year classes.

ASL 142 American Sign Language (ASL II)

4 Hours

Prerequisites: IPP 141 or equivalent

4 hours weekly (4-0)

This course is a continuation of American Sign Language I. It is designed to develop further communicative proficiencies at the intermediate level. Students will be writing transcription symbols, sentence types, time signs, pronominalization, subjects and objects, classifiers, locatives, pluralization, and temporal and distribution aspects for execution. Students will experience additional in-depth receptive and expressive proficiency development. Nonmanual aspects (grammar markers) will be featured and emphasized. Additional information about the deaf community/deaf world and its culture will be featured. A grade of "C" or higher must be achieved to advance to second-year classes.

ASL 143 American Sign Language (ASL III)

5 Hours

Prerequisites: IPP 142

5 hours weekly (5-0)

This course is a continuation of American Sign Language II. It is designed to develop further communicative proficiencies at the beginning of the advanced level.

ASL 244 ASL IV – Survey of ASL Literature

5 Hours

Prerequisites: IPP 143 and 211

5 hours weekly (5-0)

This course explores American Sign Language (ASL) literature, both in translations and in its own right. A well-rounded language program must explore literary works in the language of study. The students will study and explicate important literary works and video journalize their analysis. A grade of "C" or higher in IPP 141 and 142 must be achieved to advance to second-year classes.

Anthropology (ANT)

ANT 111 Anthropology

IAI – S1 900N

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Anthropology 111 is an introduction to the study of evolution, human origins, archaeology and the development of human society in prehistory. The student will learn about the genetic, environmental, and cultural processes affecting human variation and adaptation. Students will also study the taxonomic classifications of past and present human and non-human primates, archaeological methods and dating techniques used to establish chronologies, the beginnings of human culture, the development of "stone age" societies, the peopling of the New World, and the formation of early cities.

ANT 202 America's Diverse Cultures

IAI – S1 904D

3 Hours

Prerequisites: None

3 hours weekly (3-0)

With over 300 spoken languages representing as many ethnicities and sub-groups within the political state of America, what does it mean to be an American? The political, military, and economic structures, along with their symbols, provide Americans with a large ideal of a national life. On-the-other-hand, the wide range of social practices express the variety of patterns people maintain to meet the contingencies of daily life. This course is designed to explore the diverse patterns of American life through an ethno-historical perspective and seek some answer to the question of what it is to be American. To this end, we will understand more than ethnicities; we will examine gender, the concept of race, age, social class, assimilation and acculturation, social policy issues and social problems using historical and anthropological investigation and evidence.

ANT 216 Cultural Anthropology

IAI – S1 901N

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Cultural Anthropology is the comparative study of human culture and society. Students will examine problems central to the study of humanity and explore the nature of culture, society, language, kinship, marriage, social hierarchy, and other social creations (such as a person's identity) through ethnographic accounts and anthropological theory. Thus the diverse ways in which humans have organized to meet the contingencies of daily life will provide a deeper understanding and respect for the different patterns of culture humans have created.

Army Military Science (AMS)

AMS 101 Introduction to Military Science
1-2 Hours (Same as AMS101 at SIUC)

Prerequisites: None
Variable hours weekly depending on course credit

Introduction to basic military science focusing on leadership skills and individual tasks. This introductory course will provide the student with realistic experience in leadership and hands-on experience with a variety of army equipment. This course offers a leadership laboratory.

AMS 102 Introduction to Military Science II
1-2 Hours (Same as AMS102 at SIUC)

Prerequisites: None
Variable hours weekly depending on course credit

Expanded introduction to basic military skills focusing on squad level tactics, written orders, security, first aid, and drill and ceremony. Realistic experiences that challenge the students' ability to apply their leadership with doctrinal guidelines. This course offers a leadership laboratory.

AMS 201 Basic Leadership Skills
3 Hours (Same as AMS201 at SIUC)

Prerequisites: None
3 hours weekly (3-0)

Applied leadership in a small group context. Exercises in self-confidence, group communications, and leadership evolved from situations where the group is required to function and survive on a self-sufficient basis. Principles of survival and cooperative effort will be explored in depth, with maximum involvement of the student in leadership and problem-solving roles. Includes leadership lab.

AMS 202 Leadership Studies and Teamwork
3 Hours (Same as AMS202 at SIUC)

Prerequisites: None
3 hours weekly (3-0)

A study of the Military Management System, including the functional aspects of leadership within the military structure. Includes the presentation of military leadership traits, styles, approaches, managerial techniques, and communications. Includes a leadership laboratory.

Art (ART)

ART 101 Two-Dimensional Design

IAI – ART 907

3 Hours

Prerequisites: None

6 hours weekly (0-6)

This is a fundamental design course dealing with concepts and materials that can be applied to any two-dimensional work. Emphasis is placed on problem solving, developing perceptual skills, and critical judgment. This studio course explores fundamentals of formal systems and basic elements of visual organization. Basic health and safety issues will be taught relative to the materials used.

ART 102 Three-Dimensional Design

IAI – ART 908

3 Hours

Prerequisites: None

6 hours weekly (0-6)

Introduction to the basic elements of three-dimensional design; those ideas and concepts that concern themselves with structure and spatial organization used in investigating and solving basic sculptural problems/three-dimensional problems. Various materials will be used. Basic health and safety issues will be taught relative to the materials used.

ART 111 Art Appreciation

IAI – F2 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course attempts to develop interest, aptitude, and understanding through visual, verbal, and actual experience with media. A basis for approaching visual arts is also included. Emphasis is on exposure to the visual arts.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

ART 165 Fibers I

3 Hours

Prerequisites: None

6 hours weekly (0-6)

This is an introduction to fibers as an art form, emphasizing esthetic and technical development using existing fiber surfaces and/or fabricated surfaces. Basic health and safety issues will be taught relative to the materials used.

ART 180 Drawing I

IAI – ART 904

3 Hours

Prerequisites: None

6 hours weekly (0-6)

A basic course stressing understanding of visual perception, drawing media and drawing skills. Emphasis is placed on attaining a basic level of drawing skill, using a variety of media, solving problems in a creative and original manner, and learning how three-dimensional objects can be rendered on the flat surface. Course includes vocabulary development, critical analysis activities, and reference to historic models of drawing. Basic health and safety issues will be taught relative to the materials used.

ART 220 History of Art I

IAI – F2 901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is the first part of a three-semester survey of Western and non-Western art from prehistory to the present. The origins and nature of art in a variety of ancient civilizations from around the world, such as Ancient Mesopotamia, Egypt, Greece, China, India and the Americas will be studied. Sculptures, painting, architecture, metalwork, ceramics, textiles and other art works are studied in their social and historical contexts, with consideration of issues of style, subject matter, meaning technique and aesthetics.

ART 221 History of Art II

IAI – F2 902

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is the second part of a three-semester survey of Western and non-Western art from prehistory to the present. Art from Ancient Rome to Early Renaissance in Europe, Africa and Asia will be studied. Sculptures, painting, architecture, metalwork, ceramics, textiles and other art works are studied in their social and historical contexts, with consideration of issues of style, subject matter, meaning technique and aesthetics.

ART 223 History of Art III

3 Hours

Prerequisite: None

3hours weekly (3-0)

This course is the third part of a three-semester survey of Western and non-Western art from prehistory to the present. The focus will be on art produced from the19th century to the 21st. Sculptures, painting, architecture, metalwork, ceramics, textiles and other art works are studied in their social and historical contexts, with consideration of issues of style, subject matter, meaning technique and aesthetics.

ART 250 Ceramics I

3 Hours

Prerequisites: None

6 hours weekly (0-6)

This is an introduction to fine arts ceramics. Handbuilding processes—pinching, slab construction, and coil building—will predominate with some opportunity for beginning wheel throwing. Projects will include both vessel making and sculpture. Students will gain familiarity with clay, slips, glazes, and simple firing techniques. In addition they will be introduced to the scope of historical and contemporary ceramic art. Basic health and safety issues will be taught relative to the materials used.

ART 255 Life Drawing

3 Hours

Prerequisites: ART 180 or consent of instructor

6 hours weekly (0-6)

This is an introduction to basic concepts and procedures as experienced through a variety of drawing media that function as graphic expression. Basic information and practice in drawing the human figure and related concerns constitute the substance of this course. Basic health and safety issues will be taught relative to the materials used.

ART 256 Drawing II

IAI – ART 905

3 Hours

Prerequisites: ART 180 or consent of instructor

6 hours weekly (0-6)

This course provides the opportunity to extend knowledge and practice in drawing still life, landscape, human figure, and perspective while gaining increased control of assorted drawing media. It gives the student opportunity for additional development beyond beginning drawing and life drawing. A minimum of 120 hours of studio work is required. Basic health and safety issues will be taught relative to the materials used.

ART 260 Beginning Painting

3 Hours

Prerequisites: ART 101 or 180 or consent of instructor

6 hours weekly (0-6)

Concepts, procedures, and material are all important for the painting discipline. This course provides an opportunity to work in several different painting media. Basic information about varied paints, painting materials, and practices are part of the format. Basic health and safety issues will be taught relative to the materials used.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

ART 290 Computer Art I

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is an introduction to computer applications in the visual arts. Students will utilize computer equipment and software in approaching visual image manipulation and generation, including the integration of computer hardware, software and peripheral equipment to create and combine traditional and contemporary visualizations with art and design. Issues of personal health and safety relative to this process are thoroughly discussed and practiced.

ART 291 History of Photography

IAI – F2 904

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is about the historical development of photography as an art form from 1839 to the present, including critical analysis of types of photographs and aesthetic movements in photography. A close look at those considered established masters and others will be studied and critiqued for composition, their aesthetic and humanistic values, emphasizing photographs as expressions of the ideas and beliefs of photographers within their cultural and social content.

ART 292 Computer Art II

3 Hours

Prerequisites: ART 290

4 hours weekly (2-2)

This course continues building esthetic and technical skills begun in the introductory level course and refines those skills. Students will utilize computer equipment and professional digital imaging software, a printer and media storage devices to complete imaging projects. Foundation techniques will include proper

layout, design, resolution, printing, and techniques critical to computer art. This course will enable students to better understand the power of this art form.

ART 293 Art Preparation and Portfolio

1 Hour

Prerequisites: ART 101, ART 102, ART 180 or an

Art Elective

2 hours weekly (0-2)

This course will prepare art and art education students with skills and materials they will need to apply to BA and BFA programs. It will also teach advanced skills for preparing canvases for painting.

ART 296 Photography I

3 Hours

Prerequisites: None

4 hours weekly (2-2)

An introductory course covering the basic principles of digital photography as an art medium, including equipment selection and use, image processing, and relevant aesthetic, historic, cultural, and critical issues. Students will receive instruction on a variety of photographic subjects and will participate in photographic assignments and critiques.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

ART 297 Photography II

3 Hours

Prerequisites: ART 296

4 hours weekly (2-2)

Photography II is a production art class that requires making and editing images on a DSLR with manual exposure capable settings during time outside of the classroom. The instructor will give specific photography assignments related to the chapters in the text. The class will also participate in a month-long project documenting communities in southern Illinois. Time management and self-discipline are crucial to be successful in the course. The student will be able to express themselves freely in the photographic medium and will be critiqued by the instructor and class on how he or she can improve technically and artistically. The student will expand their ability to explain the composition, context and meaning of their personal work. There will be additional self-assigned projects throughout the semester. This course will also explore how photography has shaped culture, art and public opinion throughout the history of the medium.

Associate Degree Nursing (ADN)

ADN 201 Health Assessment and Nursing Care

4 Hours

Prerequisites: BIO 205, 206, and acceptance into the Associate Degree Nursing Program

5 hours weekly (3-2)

This course introduces the student to the concepts that are the foundation of the nursing curriculum. Emphasis is placed on the study of basic human needs and the components of the nursing process. Physical assessment skills will be reviewed utilizing a systems approach. Other topics that will be covered include venipuncture and IV therapy, methods of documentation, and principles of good interpersonal communication.

ADN 202 Nursing Care of the Adult I

7 Hours

Prerequisites: Acceptance in the Associate Degree

Nursing Program and concurrent enrollment in

ADN 201

10 hours weekly (4-6)

This course introduces concepts related to nursing care of adult and geriatric individuals experiencing acute and chronic alterations in health. Emphasis is placed on utilizing the nursing process as a framework for providing and managing care to individuals along the wellness-illness continuum. Upon completion, students should be able to apply the nursing process to individuals experiencing acute and chronic alterations in their cardiovascular, respiratory, and neurological systems. Nursing roles, psychosocial needs of the client and family, teaching/learning principles, legal/ethical implications of care, and related health trends and issues are integrated through the class.

6ADN 202S ADN Supplemental Instruction I

1 Hour

Prerequisites: Concurrent enrollment in ADN 202

2 hours weekly (0-2)

This course is designed to provide both individual and group supplemental instruction to complement the theory and clinical portions of the nursing course, ADN 202 Nursing Care of the Adult I. The purpose is to provide the student with necessary knowledge and skills to pass the national nursing exam (NCLEX-RN) and to be a safe beginning nurse practitioner. This course focuses on beginning critical thinking skills related to prioritizing nursing care and decision- making skills regarding nursing interventions for case studies of patients experiencing neurological, cardiovascular, and respiratory disorders.

This is a skill building course and is not used to calculate GPA at John A. Logan College. In addition, it will not transfer.

ADN 203 Intro to Conceptual Framework

3 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license.

3.5 hours weekly (2.5-1)

This course is designed to further the student's knowledge of the concepts that are foundational to the nursing curriculum, including assessment, pharmacological administration and intravenous therapy skills. Emphasis is placed on problem solving through application of the nursing process as well as understanding of pharmacological agents

associated with disorders commonly encountered in nursing practice. Learning opportunities include both theory content and selected nursing lab experiences.

ADN 205 Respiratory Nursing Interventions

3 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

4 hours weekly (2-2)

This course is designed to further the student's knowledge in respiratory function and those associated disorders commonly encountered in nursing practice.

ADN 206 Cardiovascular Nursing Interventions

3 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

4 hours weekly (2-2)

This course is designed to further the student's knowledge in cardiovascular function and those associated disorders commonly encountered in nursing practice.

ADN 207 MTBLC/ENDCRNE Nursing Interventions

3 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

4 hours weekly (2-2)

This course is designed to further the student's knowledge in metabolic-endocrine and reproductive function and those associated disorders commonly encountered in nursing practice.

ADN 210 GI/GU Nursing Interventions

3 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

4 hours weekly (2-2)

This course is designed to further the student's knowledge in gastrointestinal/genitourinary function and those associated disorders commonly encountered in nursing practice.

ADN 212 Psychiatric Nursing Interventions

2 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

3 hours weekly (1-2)

This course is designed to further the student's knowledge in psychiatric function and those associated disorders commonly encountered in nursing practice.

ADN 213 Nursing Today and Tomorrow

2 Hours

Prerequisites: ADN 201

3 hours weekly (1-2)

Leadership in nursing, transition into the new graduate role, and current issues in nursing are the integral components of this course. In addition, the National Patient Safety Goals will be analyzed and discussed. Global, national and local community health trends will be

investigated. Ethical topics/dilemmas will have both a clinical and discussion format.

ADN 218 Mental Health Issues in Nursing

3 Hours

Prerequisites: ADN 201

4 hours weekly (2-2)

This course includes concepts related to the nursing care of individuals experiencing alterations in social and psychological functioning. Emphasis is placed on utilizing the nursing process to provide and manage nursing care for individuals with common psychiatric disorders or mental health needs. Nursing roles, psychosocial needs of the client, and family teaching/learning principles, legal/ethical implications of care, commonly used medications, and related health trends and issues are integrated throughout the course. Upon completion, students should be able to apply psychosocial theories in the nursing care of individuals with psychiatric/mental health needs.

ADN 220 Nursing Care of the Adult II

7 Hours

Prerequisites: ADN 201, 202

10 hours weekly (4-6)

This course provides expanded concepts related to nursing care for individuals experiencing complex alterations in health. Emphasis is placed on the nurse's role as a member of a multidisciplinary team and as a manager of care for a group of individuals. Care for patients with alterations in GI-GU metabolic/ endocrine, orthopedics, and skin function will be addressed. Nursing roles, psychosocial needs of the client and family, legal/ethical implications of care, teaching/learning principles, and related health trends and issues are integrated throughout the class.

ADN 220S Supplemental Instruction I

1 Hour

Prerequisites: Previous or concurrent enrollment in ADN 220 Nursing Care of the Adult II

2 hours weekly (0-2)

This course is designed to provide both individual and group supplemental instruction to complement the theory and clinical portions of the nursing course, ADN 220 Nursing Care of the Adult II. The purpose is to provide the student with necessary knowledge and skills to pass the national nursing exam (NCLEX-RN) and to be a safe beginning nurse practitioner.

ADN 221 Family Nursing

5 Hours

Prerequisites: ADN 201

7 hours weekly (3-4)

This course includes nursing concepts related to the delivery of nursing care for the expanding family. Emphasis is placed on utilizing the nursing process as a framework for managing/providing nursing care to individuals and families along the wellness-illness continuum. Upon completion, students should be able to utilize the nursing process to deliver nursing care to mothers, infants, children, and families. The role of the associate degree nurse as a provider of care is emphasized, integrating the concepts of caring, health care trends, cultural diversity, nutrition, pharmacology, and teaching/learning principles.

ADN 223 Pediatric Nursing Interventions

2 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

3 hours weekly (1-2)

This course is designed to further the student's knowledge in pediatric interventions and those associated disorders commonly encountered in nursing practice.

ADN 224 Obstetrical Nursing Interventions

2 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

3 hours weekly (1-2)

This course is designed to further the student's knowledge in obstetrical nursing interventions and those associated disorders commonly encountered in nursing practice.

ADN 225 Ortho/Derm Nursing Interventions

3 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

4 hours weekly (2-2)

This course is designed to further the student's knowledge in orthopedic/dermatological function and those associated disorders commonly encountered in nursing practice.

ADN 226 Neuro/Sensory Nursing Interventions

3 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

4 hours weekly (2-2)

This course is designed to further the student's knowledge in neurological/sensory function and those associated disorders commonly encountered in nursing practice.

ADN 228 Nursing Leadership Today & Tomorrow

3 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

3 hours weekly (2.5-1)

Leadership in nursing, transition into the new graduate role, and current issues in nursing are the integral components of this course. In addition, the National Patient Safety Goals will be analyzed and discussed. Global, national and local community health trends will be investigated. Ethical topics/dilemmas will have both a clinical and discussion format.

ADN 230 Advanced Pharmacology I

1.5 Hours

Prerequisites: PNE 161, PNE 171

2 hours weekly (1-1)

Pharmacologic therapy plays an important role in the treatment of patients experiencing health problems. This course is designed to provide the student with further depth of study into the drugs used in treating patients experiencing cardiovascular, respiratory, neurological and psychiatric problems. Emphasis will be placed on pharmacological classifications, major drugs under each classification, physiologic mechanism of action, usual dosages, routes of administration, expected therapeutic effect, specific nursing considerations, side effects, adverse/toxic effects and patient education.

ADN 231 Advanced Pharmacology II

1.5 Hours

Prerequisites: ADN 230

2 hours weekly (1-1)

Pharmacologic therapy plays an important role in the treatment of patients experiencing health problems. This course is designed to provide the student with further depth of study into the drugs used in treating patients experiencing problems. Emphasis will be placed on pharmacological classifications, major drugs under each classification, physiologic mechanism of action, usual dosages, routes of administration, expected therapeutic effect, specific nursing considerations, side effects, adverse/toxic effects and patient education.

ORI 212 ADN Orientation

.5 Hours

Prerequisites: Admission to ADN program

.5 hours weekly (.5-0)

This course will introduce students to the ADN program entry requirements for classroom, labs, and clinicals.

Applied Technologies Internship (ATI)

ATI 200 Applied Technologies Internship
1-3 Hours

Prerequisites: Completed 12 credit hours and consent of department chair
80-240 hours during semester

The internship is on-the-job work experience that will enable the student to apply skills and knowledge acquired in the classroom to real work experiences. It is a cooperative venture involving the student, the college, and training station (employer). The internship will be closely planned and supervised by the College coordinator, so the student will obtain the student's course of study and level of development. Internship students work in a variety of applied technologies programs.

Automotive Collision Technology (ACT)

ACT 101 Introduction to Collision Repair

7 Hours

Prerequisites: None

13 hours weekly (4-9)

A study that prepares students with the foundational knowledge and skills needed to be successful in the collision repair industry. The study uses ICAR's Introduction Series and covers personal safety, terminology, tools, and vehicle construction materials. In the lab portion, emphasis will be put on personal safety, and will include the preparation, repair, and refinishing of various basic assigned projects.

ACT 111 Welding for Collision Repair

2 Hours

Prerequisites: ACT 101

4 hours weekly (1-3)

A study that prepares students with the knowledge and skills needed to perform the various welding operations specifically used in the collision repair industry. The study will cover mild steel through advanced high-strength steels, aluminum, MIG welding on thin gauge metal, plug welding, welding using the skip-stitch technique, MIG brazing, and squeeze-type-resistance-spot-welding.

ACT 121 Plastic and Composite Repair

2 Hours

Prerequisites: ACT 101

4 hours weekly (1-3)

A study of the identification, preparation, and repair of flexible, semi-flexible, and rigid plastic materials. The study will include a lab portion where repairs using airless and hot-air welders, and adhesive types of repair materials will be practiced.

ACT 151 Structural Damage Repair

9 Hours

Prerequisites: None

19 hours weekly (4-15)

A study of the repair procedures used in structural damage repair, including replacement of panels, sectioning, and straightening methods. This course will emphasize using OEM recommended procedures. This course will include hands-on instruction, including set-up, measuring, pulling, and replacement of parts to return vehicles to pre-accident condition.

ACT 161 Damage Analysis

1 Hour

Prerequisites: ACT 101

1 hour weekly (1-0)

This course will go into detail, the steps used to analyze the damage on a vehicle, post-accident. Computer based estimating will be used as the means to write a complete vehicle estimate, as well as, reviewing recommended procedures that must be considered prior to vehicle repair.

ACT 180 Detailing

2 Hours

Prerequisites: None

4 hours weekly (1-3)

This course will cover the basics on interior and exterior protection, correction, and restoration, as well as, routine maintenance needed for today's automotive finishes. The lab activities will include evaluating the surfaces, washing techniques, clay bar use, correcting and sealing

the paint, headlight restoration, and cleaning and protecting other automotive surfaces.

ACT 181 Paint Protective Film

2 Hours

Prerequisites: ACT 180

4 hours weekly (1-3)

This study will cover the uses and types of different automotive film. Including paint protective film, automotive wraps, and window tint. Lab activities will include surface preparation, installation, care, and removal of various types of automotive films.

ACT 201 Non-Structural Repair

2 Hours

Prerequisites: ACT 101 and concurrent enrollment in ACT 221

2 hours weekly (2-0)

This course of study utilizes ICAR's curriculum that is designed to prepare students for the ICAR Non-Structural ProLevel 1 certification. This lecture-based class will cover trim, hardware, movable glass, corrosion protection, electrical systems, and foams.

ACT 211 Refinishing

2 Hours

Prerequisites: ACT 101 and concurrent enrollment in ACT 221

2 hours weekly (2-0)

This course of study utilizes ICAR's curriculum that is designed to prepare students for the ICAR Refinish ProLevel 1 certification. This lecture-based class will cover hazardous material, personal, and refinish safety, solvent and waterborne application and systems, and finish repair and correction.

ACT 221 Advanced Collision Repair Lab I

4 Hours

Prerequisites: ACT 101, 111, 121, 151, and concurrent enrollment in ACT 201 and 211

12 hours weekly (0-12)

This lab will be fully hands-on and will allow principles from all previous ACT classes and from current ACT 201 and 211 to be practiced on lab parts and vehicles, and on live repair projects.

ACT 251 Advanced Collision Repair

4 Hours

Prerequisites: ACT 101, 111, 121, 151 and concurrent enrollment in ACT 261.

4 hours weekly (4-0)

This study will continue to utilize some of ICAR's more specific and advanced programs. This lecture-based class will cover topics including Aluminum panel structures, analysis, and repair, as well as, the newest and up-to-date trends and topics in the collision repair industry.

ACT 261 Advanced Collision Repair Lab II

5 Hours

Prerequisites: ACT 101, 111, 121, 151 and concurrent enrollment in ACT 251

15 hours weekly (0-15)

This final auto collision lab class is fully hands-on allowing students to work on live collision repair projects, taking them from beginning to end and returning the vehicle to the customer. Students will be able to become fully prepared for entering the collision repair industry upon successful completion of this class.

Automotive Services Technology (AST)

AST 100 Automotive Orientation and Safety

2 Hours

Prerequisites: None

2 hours weekly (2-0)

This course is designed to introduce the automotive or auto collision student to the many career opportunities. The course allows the student an opportunity to ask questions about jobs in the industry. The course covers the safety needed to know for automotive and auto collision service work. This course will also cover some of the history of the automotive industry.

AST 101 Automotive Maintenance and Light Repair

3 Hours

Concurrent Enrollment: AST 100

4 hours weekly (2-2)

A study of the basic servicing techniques required for automotive maintenance and light repair. With emphasis on automotive systems, hand tools and shop equipment, diagnostic tools and shop equipment, and preventive maintenance.

AST 170 Engine Repair

3 Hours

Prerequisites: AST 100 & AST 101

4 hours weekly (2-2)

This course is an introduction for the student into the Internal Combustion Engine (I.C.E.). This course will concentrate on engine construction, diagnosis, diagnosis, disassembly, inspection, and reassembly.

AST 171 Engine Performance I

3 Hours

Prerequisites: AST 100, 101, 170, 180, 190 or instructor permission

4 hours weekly (2-2)

This class introduces students into what systems technician's service on a regular basis. It is an introduction into the service of the engine performance systems.

AST 180 Electrical I

3 Hours

Prerequisites: AST 100, AST 101 or instructor permission

4 hours weekly (2-2)

This course is a study of the principles of electricity and general electrical system diagnosis as it pertains to the 12-volt system used in automotive systems. This course will cover batteries, series, parallel circuits, wiring diagrams, and other electrical principles.

AST 183 Braking, Steering, and Suspension I

3 Hours

Prerequisites: AST 100, 101, 180 or instructor permission

4 hours weekly (2-2)

This class will introduce the student into the brake, steering and suspension systems used in the automotive industry. This class will cover brake system fundamentals and brake safety, principles of brake operation, base brake components, along with tires, wheels, wheel bearings, suspension systems, and basic steering components.

AST 190 Electrical II

3 Hours

Prerequisites: AST 100, 101, 180 or instructor permission

4 hours weekly (2-2)

A study of the diagnosis and service of starting systems, charging systems, lighting circuits, accessories, and passive restraint and vehicle safety systems.

AST 191 Automotive Service Lab I

4 Hours

Prerequisites: AST 100, 101, 170, 171, 180, 183, 190 or instructor permission

8 hours weekly (0-8)

This course will give the student a chance to participate in a live working automotive shop. Students will be working as service writers, service technicians, quick lube specialist, parts/tool room tech, and acting service manager. Students will participate in all jobs associated with a service shop as an entry level technician, throughout this 4 day a week 16-week class students will be better prepared to work in a shop environment after graduation.

AST 201 Hybrid/EV History and Safety

2 Hours

Prerequisites: AST 100, 101, 180, 190 or instructor permission or 2 years of work experience as a certified technician.

2 hours weekly (2-0)

This course is an online only class that is required for the spring EV/Hybrid Class. This course will be the study of electric and hybrid vehicle history and safety. In this course the student will learn about the long history of electric vehicles, along with the safety requirements needed to service these vehicles safety. This is needed course before taking the EV/Hybrid class in the spring semester.

AST 202 Hybrid/EV Diagnostic and Service

3 Hours

Prerequisites: AST 100, 101, 171, 180, 183, 190, 201 or instructor permission or 2 years of work experience as a certified technician.

4 hours weekly (2-2)

This course is an online only class that is required for the spring EV/Hybrid Class. This course will be the study of electric and hybrid vehicle history and safety. In this course the student will learn about the long history of electric vehicles, along with the safety requirements needed to service these vehicles safety. This is needed course before taking the EV/Hybrid class in the spring semester.

AST 261 Engine Performance II

3 Hours

Prerequisites: AST 100, 101, 170, 171 180, 190 or instructor permission

4 hours weekly (2-2)

This class introduces students into what systems technician's service on a regular basis. It is an introduction into the service of the engine performance systems. With an emphasis on the fuel system, electronic fuel injection, ignition systems, and the emission control systems.

AST 282 Automotive HVAC

3 Hours

Prerequisites: AST 100, 101, 180, 190 or instructor permission

4 hours weekly (2-2)

This course is a study of automotive air conditioning and climate control systems.

AST 283 Brakes, Steering and Suspension II

3 Hours

Prerequisites: AST 100, 101, 180, 183, 190 or instructor permission

4 hours weekly (2-2)

This class will expand on the previous brakes and steering systems from the AST 183 class. With specifics in the power brake, electronic brake, four-wheel alignments, and other steering and suspension systems.

AST 290 Drivetrain Basics

3 Hours

Prerequisites: AST 100, 101, 180, 190 or instructor permission

4 hours weekly (2-2)

A study of the diagnosis and repair of clutches, manual transmissions, manual transaxles, differentials, and introduction into automatic transmissions. Drive shafts, CV joints, front-wheel drive, and four-wheel drive components are also covered.

AST 291 Automotive Service Lab II

4 Hours

Prerequisites: AST 100, 101, 170, 171, 180, 183, 190, 191, 261, 282, 283 or instructor permission

8 hours weekly (0-8)

This course will give the student a chance to participate in a live working automotive shop. Students will be working as service writers, service technicians, quick lube specialist, parts/tool room tech, and acting service manager. Students will participate in all jobs associated with a service shop, throughout this 4 day a week 16-week class students will be better prepared to work in a shop environment after graduation.

AST 292 Automotive Service Lab III

4 Hours

Prerequisites: AST 100, 101, 170, 171, 180, 183, 190, 191, 201, 202, 261, 282, 283, 290, 291 or instructor permission

8 hours weekly (0-8)

This course will give the student a chance to participate in a live working automotive shop. Students will be working as service writers, service technicians, quick lube specialist, parts/tool room tech, and acting service manager. Students will participate in all jobs associated with a service shop as an entry level technician, throughout this 4 day a week 16-week class students will be better prepared to work in a shop environment after graduation.

Biology (BIO)

BIO 100 Biology for Non-Science Majors

IAI – L1 900L

4 Hours

Prerequisites: None

5 hours weekly (3-2)

A course designed specifically for the non-science major student. The course provides laboratory experience and lecture concepts that help the non-science major student understand the foundations of biology. Emphasis is placed on the application of this knowledge to human concerns and endeavors. Topics to be covered include but are not limited to: process of science, biochemistry, cell science, metabolism, genetics, molecular biology, biotechnology, evolution, structure and function, and ecology.

BIO 101 Biological Science for Science Majors I

IAI – L1 910L, IAI – BIO 910

4 Hours

Prerequisites: None

5 hours weekly (3-2)

This course is designed for science majors. It is a lecture-lab course which includes the following: an introduction to biochemistry, molecular genetics, cell structure, function, and processes. The scientific method is presented in lab.

BIO 102 Biological Sciences II

IAI – L1 910L, IAI – BIO 910

4 Hours

Prerequisites: None

5 hours weekly (3-2)

Organismal biology, ecology, and evolution. An introduction to structure and function of major groups of microorganisms, fungi, animals, and plants. Emphasis on evolutionary relationships and ecological principles. Laboratory required.

BIO 105 Humans in Society

IAI – L1 904L

4 Hours

Prerequisites: None

5 hours weekly (3-2)

This course provides a wide variety of general biological concepts such as scientific process, cellular and molecular biology, human genetics and heredity, human impact on society, ecology, evolution, anatomy and physiology as it relates to humans. The course includes laboratory activities and lecture concepts suited for a beginning course into the functioning human body and its impact in the natural community. Embedded throughout the course, there will be an emphasis on developing scientific process skills.

BIO 205 Human Anatomy and Physiology I

4 Hours

Prerequisites: None

5 hours weekly (3-2)

A study of the structure, functions, and homeostatic mechanisms of the normal human body. Subjects covered include: fundamentals of the chemical basis of life; cell structure and physiology; tissues; integumentary, skeletal, muscular, central and autonomic nervous systems; and special senses. The laboratory includes dissection of a cat, small mammal, mammalian eye, and appropriate physiological experiments.

BIO 206 Human Anatomy and Physiology II

4 Hours

Prerequisites: None

5 hours weekly (3-2)

A study of the structure, function, and homeostatic mechanisms of the endocrine, circulatory, lymphatic, respiratory, digestive, urinary, and reproductive systems; defense mechanisms of the body; pregnancy; embryonic development; and inheritance. The laboratory includes dissection of cat and large mammal heart and appropriate physiological experiments.

BIO 225 Genetics

IAI – L1 906

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course examines gene structure and function. Cytogenetics, transmission genetics, molecular genetics and population genetics are explored during the semester. Special attention is given to applications of gene technology and the impact of genetic knowledge and technology on humanity.

BIO 226 General Microbiology

4 Hours

Prerequisites: None

6 hours weekly (2-4)

An introduction to the study of microorganisms, including their morphology, physiology, cultivation, classification, pathogenicity, economic importance, control, and immunity. Laboratory experiments guide students in development of laboratory procedures, sterile techniques, and data interpretation.

Business (BUS)

BUS 110 Introduction to Business

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Introduction to business functions, operations, and organization. Includes ownership and management, forms of organizations, finance, business ethics, personnel and labor-management relations, and marketing.

BUS 111 Business Mathematics

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A mathematics course designed to prepare the student to enter the business world and successfully apply math principles to everyday business problems. After a brief review of basic math, some of the topics covered are percentages, discounts, interest, discounting notes, depreciation, inventory, commissions, bank statements, account sales and account purchases, basic statistics, markup-markdown, distribution of profits, and overhead expenses. Good basic math skills are highly recommended.

BUS 121 Business Statistics

IAI – BUS 901

3 Hours

Prerequisites: MAT 108 with Minimum Grade of : C

3 hours weekly (3-0)

Introduction to statistical analysis of business and economic data and how it aids in controlling operations and in making sound business decisions. Includes descriptive measures of populations and samples, central tendency, probability and probability distributions, interval estimation, hypothesis testing, linear regression and analysis, chi-square analysis, and analysis of variance.

BUS 222 Legal/Social Environment of Business

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A study of the legal and social environment of business, with emphasis on business ethics and corporate social responsibility. Areas of concentration include the legal system and government regulation of business, formation of contracts, securities law, consumer protection law, and labor and employment.

BUS 235 Business Communication

3 Hours

Prerequisites: ENG 101

3 hours weekly (3-0)

A detailed study of business communication. Includes analysis and practice in writing a variety of messages used to communicate in business and industry. To successfully complete this course, a communication competency examination must be passed with at least 70 percent accuracy prior to the end of the semester.

BUS 255 Customer Service

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Customer service is the foundation on which business success and profitability is built. This course is about understanding the importance

of offering quality service and ensuring customer satisfaction in today's competitive marketplace. Students will learn the principles of customer service and what skills are necessary to work with customers and solve problems in all sectors: corporate, government, industry, real estate, retail, legal, wholesale, healthcare, etc.

BUS 282 Legal Terminology

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to familiarize students with the various fields of law and to develop a working knowledge of the legal terminology commonly associated with each respective field.

Chemistry (CHM)

CHM 141 General, Organic, and Biochemistry I

IAI – P1 902L

4 Hours

Prerequisites: Two years of high school algebra or MAT 062

6 hours weekly (3-3)

A first semester course of general, organic, and biochemistry sequence designed to meet the needs of students of nursing, dental hygiene, physical therapy, allied health programs, forestry, nutrition, and other majors with comparable requirements. This course covers matter, electrons and chemical bonds, formulas and equations, stoichiometry, gases, solutions, energies, acid-base reactions, radioactivity, and introduction to organic chemistry.

CHM 142 General, Organic, and Biochemistry II

4 Hours

Prerequisites: CHM 141

6 hours weekly (3-3)

Second semester course of general, organic, and biochemistry sequence designed to meet the needs of students of nursing, dental hygiene, physical therapy, allied health programs, forestry, nutrition, and other majors with comparable requirements. This course covers organic compounds and their characteristics, and biological compounds and their role in living organisms.

CHM 151 Chemical Principles

IAI – P1 902L, IAI – CHM 911

5 Hours

Prerequisites: MAT 111 or concurrent enrollment or instructor approval

7 hours weekly (3-4)

A study of the fundamental laws and concepts of chemistry, including formulas, nomenclature, atomic structure, bonding, the periodic chart, equations, stoichiometry, gas laws, and liquids and solids. Laboratory experiments investigate these concepts. A first semester course for students majoring in scientific, pre-professional, engineering, or technological programs.

CHM 152 Chemical Principles with Qualitative Analysis

IAI – CHM 912, IAI – P1 902L

5 Hours

Prerequisites: CHM 151

7 hours weekly (3-4)

A study of theory and calculations of chemical equilibrium, ionization, solubility products, redox reactions, acids and bases, and the methods and tools of analysis. The laboratory work consists of qualitative identification of common cations, and gravimetric and volumetric quantitative determinations. Second semester chemistry for science, engineering, and pre-professional majors.

CHM 201 Organic Chemistry I

IAI – CHM 913

5 Hours

Prerequisites: CHM 151

7 hours weekly (3-4)

A course in general organic chemistry intended for chemistry majors and minors and pre-professional students, this examines descriptive and theoretical organic chemistry. Topics discussed include bonding within carbon compounds, stereo-chemistry, reaction mechanisms, and organic reactions involving specific classes of compounds. In the laboratory, students will learn and utilize microscale organic techniques that are integrated with separations using GC and HPLC and with characterizations using IR and UV-Vis spectroscopy. This course is currently offered only in the fall semester.

CHM 202 Organic Chemistry II

IAI – CHM 914

5 Hours

Prerequisites: CHM 201

7 hours weekly (3-4)

This course continues the discussions of CHM 201 topics. Additional classes of organic compounds are studied for physical properties, reactions, mechanisms, and practical uses. Characterization theory is expanded with nuclear magnetic resonance (NMR) theory and mass spectrometry (M.S.). The chemistry of conjugated dienes, benzene, alcohols, aldehydes, ketones, carbohydrates, animes, and amino acids will be studied. The laboratory will expand on established microscale technique with the use of I.R., chromatography and NMR computer simulations. Communication and report writing skills will also be emphasized.

This course is currently only offered in the spring semester.

Communication (COM)

COM 105 Forensic Activities

1-3 Hours

Prerequisites: None

Students are eligible to earn a maximum of 4 credit hours, with a yearly limit of 2 hours. These hours are earned through active participation in forensic activities, carefully designed to offer students valuable contest speaking experiences and the opportunity to hone their skills in specific areas of speech concentration.

COM 115 Speech

IAI – C2 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

COM 115 combines communication theory with the practice of oral communication skills. This course: (1) develops awareness of the communication process; (2) provides inventional, organizational, and expressive strategies; (3) promotes understanding of an adaptation to a variety of communication contexts; and (4) emphasizes critical skills in listening, reading, thinking, and speaking. Students are expected to prepare and give at least three substantial speeches, including both informative and persuasive speech assignments. All classes require face-to-face performance of the three substantial speeches with the class and the instructor serving as an in-class audience.

COM 116 Interpersonal Communication

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Study of communication theory and its application to interpersonal relations. Relationship skills will be explored, analyzed, and practiced. Among the topics covered are the communication process, the self as communicator, listening, verbal and nonverbal communication, cooperation and conflict management. Students will also develop their individual interpersonal communication skills by increasing their knowledge of behavioral choices in both personal and professional relationships.

COM 140 Argumentation and Debate

IAI – MC 905

3 Hours

Prerequisites: COM 115 or 116

3 hours weekly (3-0)

Principles of reasoning, critical thinking, argumentation, and advocacy and their expression in a variety of media. Students will develop an understanding of how arguments function to influence attitudes, values, and behaviors in our public culture with an emphasis on the nature of argument, proofs and evidence, constructing arguments, fallacies of argument, and the use of logical and persuasive reasoning.

COM 170 Nonverbal Communication

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course examines the profound and overlooked contribution of nonverbal behavior to the communication processes. This course explores how body movements, facial expressions, eye behavior, chronemics, the environment, space, and dress impact communication. Nonverbal communication can

determine the effectiveness and well-being of our intimate, social, and working relationships. The importance of the cultural context of nonverbal communication will also be reviewed.

COM 180 Intercultural Communication

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Through a combination of theoretical concepts, practical strategies, and real-world examples, students will develop cultural empathy, awareness, and communication competence. The course examines the impact of cultural differences on communication patterns, interpersonal dynamics, and conflict resolution, preparing students to thrive in an increasingly interconnected and multicultural world.

COM 200 Small Group Communication

3 Hours

Prerequisites: COM 115 or COM 116

3 hours weekly (3-0)

This course explores the communication processes that occur in small groups. Students will study and apply communication theory in order to enhance their effectiveness as small group communicators. Focus is given to group formation, group membership, and decision-making and problem-solving procedures.

COM 201 Writing for Mass Media

IAI – MC 919

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Introduction to news writing includes basic techniques of news gathering, reporting, interviewing, computer-assisted reporting, editing, and layout. Some course-work may be published in the student newspaper, The Volunteer.

COM 202 Writing for Mass Media II

3 Hours

Prerequisites: JRN 201

3 hours weekly (3-0)

A continuation of news gathering and writing skills. Coursework will be published in The Volunteer student newspaper. Assignments include investigative re-porting, computer-assisted reporting, and a site visit to a local media outlet.

COM 210 New Media Production Practicum

1-4 Hours

Prerequisites: Consent of instructor

2-8 hours weekly

Students earn credit by joining The Volunteer newspaper staff, increasing their proficiency in one or more of the tasks required to produce consistently a high-quality student newspaper. Volunteer staff members gain an understanding of the collaborative nature of newspaper work through active participation in one or more of the following areas: newswriting, editing, news photography, design, layout, and/or advertising. Students use the resources available in and outside the newsroom to increase their skills.

COM 215 Introduction to New Media

IAI – MC 911

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is an introduction to the various types of mass media, their effect on the public, their development, and ways in which the consumer can be perceptive and discriminating.

COM 219 Visual Journalism

*IAI – *Pending IAI Approval*

3 Hours

Prerequisites: ART 296

4 hours weekly (2-2)

This course explores the intersection of photojournalism and various digital and print platforms. Students will develop essential skills in photography, video production, and multimedia storytelling. The course emphasizes practical application, ethical considerations, and the creation of compelling visual narratives for diverse media outlets and platforms.

COM 280 Communication Studies Practicum

3 Hours

Prerequisites: Instructor Permission

3 hours weekly (3-0)

This course provides an overview of the concepts, methods, and tools by which communication and social science research is designed, conducted, interpreted, and critically evaluated. Students will design, justify, propose, collect data, and present the findings of a socio-scientific study.

Computer Information Systems (CIS)

CIS 104 Spreadsheet Design

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is designed to provide the business student with skills and knowledge necessary to design and implement practical spreadsheet models using Microsoft Excel software. Students will use basic business mathematics skills to design problem-solving models that can be used in the analysis of data. This course will help the student prepare to take the Microsoft Certified Application Specialist Exam.

CIS 105 Current Operating Systems/Security

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is intended for beginners and intermediate end users who want to increase their understanding of computer and information security issues and practices, as well as explore the basics of a current operating system.

CIS 110 Introduction to Word Processing

2 Hours

Prerequisites: None

3 hours weekly (1-2)

This course is designed to provide the student with skills to become effective and efficient in using a popular word processing software. The student will incorporate critical thinking skills along with problem- solving techniques to master this software package. This course is designed for students who would like to master a word processing package and cover many Microsoft Certification exam topics.

CIS 120 Data Base Management

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is designed to provide the student with fundamental database concepts. The student will be able to create and maintain tables, forms, queries, and reports. Skills will go beyond that of utilizing the wizards. Customized forms and reports will be developed. Interacting with the Web, setting table relationships, and data integration with other applications will be covered. Many of the Microsoft Certification exam topics will be covered.

CIS 170 Cisco I

5 Hours

Prerequisites: None

7 hours weekly (3-4)

The CCENT Certification validates the skills required for entry-level network support positions, the starting point for many successful careers in networking. CCENT certified professionals have the knowledge and skill to install, operate, and troubleshoot a small enterprise branch network, including basic network security.

CIS 171 Introduction to Scripting

4 hours

Prerequisite: None

5 hours weekly (3-2)

This course provides students with the fundamental knowledge and skills to use scripting. It focuses on primary Windows

PowerShell command line features and techniques for use with Windows Server and other Microsoft Windows products. Students will also learn basic scripting including, loops, counters, and arrays.

CIS 200 Network Essentials

3 Hours

Prerequisites: None

3 hours weekly (2-2)

This course will provide the student with a general background in networking concepts, procedures and skills necessary in a computer network environment. This course is designed to familiarize the student with an overview of network topologies, physical network architecture, various networking operating systems and a brief introduction into Microsoft Active Directory. This class will also provide the student with necessary skills in troubleshooting and help desk topics necessary for the network's technician and software specialist.

CIS 206 Managing Network Environments I

3 Hours

Prerequisites: CIS 200 or concurrent enrollment

4 hours weekly (2-2)

This course is designed to give the student knowledge and practical experience in administering a Microsoft Server network. Students will be able to describe the principle features of a network operating system and the networking basics of active directory. Students will gain an understanding of the basic components of an information technology system. The student will work with and troubleshoot in the areas of installation of the network operating system, setting up users and groups, assignment of group policy and permissions of a network. This course will assist the student in preparing for an industry recognized certification exam.

CIS 207 Computer Applications for Business

IAI – AG 913, IAI – BUS 902

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This lecture and hands-on lab course will provide an overview of operating systems, file management techniques, Internet, email and computer conferencing software and apps, basic coding principles for web design, word processing, spreadsheets, database management and presentation software.

CIS 208 Security Awareness

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is designed to provide a security awareness overview and emphasize the importance of information systems as well as the home computer system will be covered. Issues will include personal, Internet, and organizational security. Types of security attacks will be discussed, prevention methods will be determined, and recovery plans will be developed. Policies and procedures that will assist in preventing an invasion of privacy will be covered.

CIS 209 Introduction to Cybercrimes

3 Hours

Prerequisites: Must be 18 years of age or older.

3 hours weekly (3-0)

This course will introduce students to the investigation of computer-based crimes and the

importance of preserving and correctly interpreting digital evidence. The course material will review computer crimes and associated terminology and the types of crimes committed in cyberspace. The student will also research and use data collection tools, learn proper collection and preservation of digital evidence, study domestic and international legal issues in cyberspace, and document and report data acquisition findings.

CIS 213 Penetration Testing

3 Hours

Prerequisites: CIS 208

4 hours weekly (2-2)

This course teaches students the underlying principles and many of the techniques associated with the cybersecurity practice known as penetration testing. Students will learn about the entire penetration testing process including planning, reconnaissance, scanning, exploitation, post-exploitation, and result reporting. The course will provide the fundamental information associated with each of the methods employed and insecurities identified. In all cases, remedial techniques will be explored. Students will develop an excellent understanding of current cybersecurity issues and ways that user, administrator, and programmer errors can lead to exploitable insecurities.

CIS 216 Cloud Technology

3 Hours

Prerequisites: CIS 206 with Minimum Grade: C

4 hours weekly (2-2)

Guide to Supporting Microsoft Private Clouds instructs future network administrators how to effectively implement and maintain Microsoft® private clouds with a balance of conceptual expertise and hands-on skills. Ideal for your server administration course, this text prepares students to work with large providers, such as Amazon, Microsoft®, and Google, as well as implement smaller scale cloud computing solutions within their own network environments.

CIS 219 Ethical Hacking

3 Hours

Prerequisites: CIS 209 or CIS 230 with a grade of "C" or higher

4 hours weekly (2-2)

This course provides an in-depth understanding of how to effectively protect computer networks. Students will learn the tools and penetration testing methodologies used by ethical hackers. In addition, the course provides a thorough discussion of what and who an ethical hacker is and how important they are in protecting corporate and government data from cyber-attacks. Students will learn updated computer security resources that describe new vulnerabilities and innovative methods to protect networks. Also covered is a thorough update of federal and state computer crime laws, as well as changes in penalties for illegal computer hacking.

CIS 220 Advanced Spreadsheet Design

3 Hours

Prerequisites: CIS 104

4 hours weekly (2-2)

This course is a continuation of CIS 104 and builds upon basic design skills. It provides the student with an opportunity to develop advanced techniques in the design of business applications. Advanced study of special mathematics, logical, and database statistical functions will provide the foundation for advanced program design. Problem solving for managerial and accounting decision making is

emphasized, and design techniques incorporating the use of macros, menu layout, and data transfer are included using Microsoft Excel. This course will help the student prepare to take the Microsoft Certified Application Specialist Exam.

CIS 225 Advanced Data Base Management

3 Hours

Prerequisites: CIS 120

4 hours weekly (2-2)

This course is a continuation of CIS 120. The concepts needed to develop and maintain a database system at an advanced level will be emphasized. Items that will be covered are: advanced query manipulation, table linking, macro programming, planning and creating a switchboard application as well as applying custom toolbars. Business simulated projects will be a major part of the curriculum. Upon completion of this course, the student should be prepared to take the Microsoft Certification exam.

CIS 229 Digital Forensics

3 Hours

Prerequisites: CIS 209 with a grade of "C" or higher

4 hours weekly (2-2)

Provides an introduction to Digital Forensics from a theoretical and practical perspective and an introduction to investigative tools and techniques used in the field. Personal computer operating system architectures and disk structures are reviewed and the proper use of available computer forensic hardware and software tools are examined. Other topics include the importance of digital evidence controls, the method of processing crime and incident scenes, the details of data acquisition, and the requirements of an expert witness. The course provides a range of laboratory and hands-on activities and assignments that emphasize both the theory and the practical application of computer forensic investigations.

CIS 230 Operating Systems

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Students will learn important concepts about operating systems while applying skills and knowledge to support computers in a business environment or an IT position. Students will also learn the theory and technical information professionals need as they work with today's popular operating systems, such as Windows and UNIX/Linux platforms. Topics include operating system theory, installation, upgrading, configuring, (operating system and hardware), file systems, security, hardware options, and storage, as well as resource sharing, network connectivity, maintenance, and troubleshooting. This course prepares students to understand the fundamental concepts of today's computer operating systems.

CIS 231 Firewalls and VPNs

3 Hours

Prerequisites: CIS 230 with a grade of "C" or higher

4 hours weekly (2-2)

This course examines the major network security tools in use today, with the idea that firewalls are most effective when backed by thoughtful security planning, well-designed security policies, and integrated support from anti-virus software, intrusion detection systems, and related tools. Coverage includes packet filtering, authentication, proxy servers, encryption, bastion hosts, virtual private

networks (VPNs), log file maintenance, and intrusion detection systems. The course will provide numerous realistic projects and cases incorporating cutting-edge technology and current trends, giving students the opportunity to hone and apply the knowledge and skills they will need as working professionals. Students will also learn about relevant National Institute Standards and Technology guidelines that are used by businesses and information technology professionals.

CIS 270 Cisco II
4 Hours
Prerequisites: CIS 170 with a grade of "C" or higher
4 hours weekly (3-2)
The CCNA R&S certification validates the ability to install, configure, operate, and troubleshoot medium-size routed and switched networks. CCNA certified professionals have the knowledge and skills to make connections to remote sites via a WAN, and mitigate basic security threats. CCNA R&S training covers (but is not limited to) the use of these topics: IOS, IPv6, IPv4, OSPF, Cisco Licensing, Enhanced Interior Gateway Routing Protocol (EIGRP), Serial Line Interfaces, Frame Relay interfaces VLANs, Ethernet, VLSM, and basic traffic filtering.

Computer Science (CPS)

CPS 202 Discrete Structures (Also MAT 125)

IAI – CS 915, IAI – M1 905

3 Hours

Prerequisites: MAT 108 or MAT 111 either with a grade of "C" or higher or assessment

3 hours weekly (3-0)

This course is a general education mathematics course which fulfills 3 hours of the core curriculum mathematics requirement. Topics include number systems, sets, relations and functions, logic, Boolean algebra, elementary matrix operations, combinations, permutations, counting techniques, and basic concepts of probability, graphs, and trees.

This course is ordinarily offered in the fall semester in odd numbered years.

CPS 206 Computer Science I

IAI – CS 911

4 Hours

Prerequisites: MAT 111 Pre-Calculus with a grade of "C" or higher

5 hours weekly (3-2)

The first in a sequence of courses for majors in Computer Science, Mathematics, and Engineering. Introduces a disciplined approach to problem-solving and algorithm development in addition to an introduction to procedural and data abstraction. Covers: selection, repetition, and sequence control structures; program design, testing, and documentation using good programming style; block-structured high-level programming languages; and arrays, records, and files utilizing a popular, high-level programming language.

CPS 215 Computer Science II

IAI – CS 912

4 Hours

Prerequisites: CPS 206 with a grade of "C" or higher or consent of instructor

5 hours weekly (3-2)

The second in a sequence of courses for majors in Computer Science. Covers: design and implementation of large-scale problems; abstract data types; data structures (files, sets, pointers, lists, stacks, queues, trees, graphs; program verification and complexity; recursion; dynamic concepts (memory, scope, block structures); text processing; and an introduction to searching and sorting algorithms utilizing a popular, high-level programming language. **This course is offered in the fall semester only**.

Construction Management Technology (CMG)

CMG 100 Construction Orientation

1 Hour

Prerequisites: None

1 hour weekly (1-0)

Construction Orientation is designed to introduce the student to the many career opportunities in the construction industry. The course allows the student the opportunity to ask questions about the industry as a whole. The course also refines construction math skills to help facilitate the other construction management courses.

CMG 101 Building Green

3 Hours

Prerequisites: For students not pursuing a Construction Management major.

3 hours weekly (3-0)

This course is an introduction to new emerging building systems for residential construction. A major focus of this course will be the introduction of green building products and ways to be more energy efficient. That national green building standard will be used as the guidelines for this course.

CMG 104 Building Layout

4 Hours

Prerequisites: None

6 hours weekly (2-4)

The student will perform basic surveying operations necessary for the location, layout, and construction of a building. Techniques will include taping, differential leveling, laying off vertical and horizontal angles, topographic surveys, and construction control surveys.

CMG 105 Estimating Techniques

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to familiarize the student with construction cost estimating. The five (5) basic elements involved in the estimating process will be covered. These five elements are: (1) working drawings and specifications; (2) subcontractor's bids; (3) quantity take-offs; (4) checklists; and (5) a summary cost estimate. A major emphasis will be placed on accurate quantity takeoffs.

CMG 107 Construction Document Interpretation

3 Hours

Prerequisites: None

4 hours weekly (2-2)

The purpose of this course is to introduce the student to the various conceptual documents used in the construction process. The primary focus will concentrate on interpretation and visualization of construction blueprints and understanding the use of construction specifications. Residential and commercial projects will be covered.

CMG 108 Construction Materials

4 Hours

Prerequisites: None

6 hours weekly (2-4)

The student will learn about soil properties and how they play a major role in building design and site work. Students will also obtain knowledge of concrete, its physical and mechanical properties, and the design and control of concrete mixes. In the laboratory portion of the class, students will learn the

fundamentals of placing, finishing, and testing for quality control.

CMG 110 Structural Framing I

4 Hours

Prerequisites: None

5 hours weekly (3-2)

This course will introduce the student to the basic processes, terminology, procedures, and building components of wood frame construction. With this basic understanding of construction concepts, the student can build a foundation for a career in the construction industry. The course facilitates classroom learning with actual field applications.

CMG 111 Structural Framing II

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is a continuation from the wood framing construction course, designed so the student can synthesis a complete residential building. Special emphasis will be directed at the materials and application of these materials to complete the exterior and interior of the building.

CMG 130 Surveying Principles I

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is the first of two courses that make up a comprehensive study of the elements of Surveying. It is intended to provide students with a complete background of the knowledge and skills needed to be active in the world of surveying. Specifically, students should gain the skills and knowledge needed to successfully complete certification in the National Society of Professional Surveyors (NSPS) Certified Survey Technician (CST) program. This is the first of two classes to achieve this end.

CMG 131 Surveying Principles II

3 Hours

Prerequisites: CMG 130

4 hours weekly (2-2)

This course is the second of two courses that make up a comprehensive study of the elements of Surveying. It is intended to provide students with a complete background of the knowledge and skills needed to be active in the world of surveying. Specifically, students should gain the skills and knowledge needed to successfully complete certification in the National Society of Professional Surveyors (NSPS) Certified Survey Technician (CST) program. This is the second of two classes to achieve this end.

CMG 207 Construction Administration

2 Hours

Prerequisites: CMG 105 and CMG 107

2 hours weekly (2-0)

This course is designed to help the student understand the concepts involved with the management and ownership in the construction process. The focus of this course will cover pre-construction through final completion, viewed from the constructor's perspective.

CMG 208 Processes in Estimating

3 Hours

Prerequisites: CMG 105 or consent of instructor

3 hours weekly (3-0)

The course builds upon CMG 105, Estimating Techniques, and will introduce more advanced methods of cost estimating. From a set of blueprints the students will apply man hours, labor costs, and material costs to quantity takeoffs. In a portion of this course the students will learn to utilize Timberline Corporation's Precision Estimating software package. Students will learn how to interpret data generated and how to modify the computer program to meet their estimating needs.

CMG 209 Environmental Systems

3 Hours

Prerequisites: CMG 105 and CMG 107

3 hours weekly (2-2)

This course is designed to introduce the student to the basic terminology and principles of electrical, plumbing, and air conditioning systems. The student will also gain an understanding of the importance of the respective design engineers in the building process.

CMG 210 Building Renovations

3 Hours

Prerequisites: CMG 110

4 hours weekly (2-2)

Students will acquire knowledge of the techniques and technologies necessary to remodel, repair, or renovate existing residential and commercial buildings. The student will study the design and construction techniques required to convert unused areas into additional living space, make additions to existing structures, upgrade mechanical and electrical systems to meet building codes and repair, renovate, and maintain older buildings.

CMG 211 Commercial Construction

3 Hours

Prerequisites: CMG 108 or consent of instructor.

3 hours weekly (3-0)

The course will acquaint the student with the latest methods, materials, and equipment used within the industry and will familiarize the student with concepts of the construction industry that have stood the test of time. Traditional materials such as reinforced concrete, masonry, steel, and timber will be thoroughly examined in conjunction with recent developments in the construction industry.

CMG 212 Construction Business Management

3 Hours

Prerequisites: CMG 105 and CMG 107

3 hours weekly (3-0)

The student will be introduced to processes and methods of administrative responsibilities, which will help in producing a quality construction project.

CMG 215 Green Building in the 21st Century

3 Hours

Prerequisites: Students must be second year Construction Management majors.

3 hours weekly (3-0)

This course provides an overview of new emerging building systems for single, multi-family and remodeling to meet the national green building standard. The course will also focus on energy efficiency and discuss the impact that construction has on the environment.

CMG 218 CAD for Construction

3 Hours

Prerequisites: Students must be second year Construction Management majors.

4 hours weekly (2-2)

This course will introduce the construction student on how to design and draw plans for residential construction. The student will utilize software to design a complete set of building plans. The course will focus on construction phases from site design to the completed exterior finishes and landscaping.

CMG 220 Construction Scheduling

3 Hours

Prerequisites: CMG 105 and CMG 107

3 hours weekly (3-0)

This course is an introduction to modern construction scheduling methods and techniques. The application of various scheduling methods will provide an understanding of the importance that time phasing and coordination have on completing a construction project in a timely manner.

CMG 221 Land Development

3 Hours

Prerequisites: Students must be second year Construction Management majors.

4 hours weekly (2-2)

This course will present the social and economic needs, and the legal regulations involved when developing a parcel of land into a housing community. The student will design and calculate the infrastructure to meet the mandated code requirements.

CMG 226 Statics for Structures

3 Hours

3 hours weekly (3-0)

Prerequisites: None

Students will learn fundamental principles of mechanics as they use tables and formulas in the determination of loads and the selection of wooden members and steel connectors which will safely carry these loads on floor and roof systems.

Cosmetology (COS)

COS 101 Cosmetology Theory I

6 Hours

Prerequisites: None

6 hours weekly (6-0)

This course is a study of professional ethics, personal hygiene and grooming, visual poise, and personality development for application in our daily relationships with others. The study of bacteriology, decontamination, and infection control for application of safe and necessary disinfection methods is emphasized. Also included is the study of hair, skin, and their disorders for use in chemical and physical applications. The basic introduction of anatomy and physiology to be applied in specific skill areas will also be emphasized.

COS 102 Cosmetology Theory II

5 Hours

Prerequisites: COS 101

5 hours weekly (5-0)

The cosmetology program is designed to give students thorough training in the arts, skills, and applied science that deals with the adornment of the hair, skin, and nails. This course is designed to provide the students with a study of basic principles of salon management, nail disorders, preparing a resume, and provide the students with a study of basic principles of electricity and light therapy as applied to beauty science, Illinois law, and chemistry as applied to cosmetics.

COS 111 Cosmetology Lab I

11 Hours

Prerequisites: None

33 hours weekly (0-33)

This course includes demonstrations and lectures by instructors with student participation and application of beauty services which include fingerwaving, hairstyling, application of permanent waving, hair coloring, superfluous hair removal, basic make-up application, and demonstrates how to achieve basic skill areas in shampooing, draping, brushing, thermal waving, blow drying, and hair shaping. Students will exchange beauty services on each other and will perform beauty skills on patrons in the clinic laboratory. Each student is responsible for sanitation duties to be performed in the clinic as required by the Department of Professional Regulation, State of Illinois.

COS 112 Cosmetology Lab II

11 Hours

Prerequisites: COS 111

33 hours weekly (0-33)

This course is a continuation of hairstyling, chemistry and application of permanent waving, chemical hair relaxing and hair transformations and includes review and practice of skill areas taught in Cosmetology III with demonstration and lectures by instructors. Students will participate and demonstrate skills learned through performance by exchanging services on each other and patrons in the clinical laboratory. Each student is responsible for sanitation duties to be practiced in the clinic laboratory as required by the Department of Professional Regulation, State of Illinois.

COS 113 Cosmetology Lab III

4 Hours

Prerequisites: COS 101, 111

10 hours weekly (1-9)

This course is a review and practice of theory and skill areas taught in previous courses through demonstrations and lectures taught by an instructor. Students will practice skills on each other, mannequins, and clients during laboratory time. Each student is responsible for sanitation duties to be practiced in the laboratory as required by the Department of Professional Regulation, State of Illinois.

COS 114 Cosmetology Internship Program

2 Hours

Prerequisites: COS 101, 111, 750 clock hrs.

10 hours weekly (0-10)

This course is designed to be an extended salon experience, a supplemental, off-campus, on-the-job experience for qualified students.

COS 250 Instructional Strategies

5 Hours

Prerequisites: Valid Illinois Cosmetology License with two years experience within last five years.

11 hours weekly (2-9)

This course is designed to teach the students various methods of instruction. Teachers should possess an array of teaching strategies in order to meet the widely varying learning styles, interests, and abilities of their students. By providing a variety of teaching methods that are suited to the goals of instruction and the needs of students, the cosmetology teacher will be highly productive and experience satisfaction in the teaching role.

This course will also provide guidelines and strategies for planning, implementing, and maintaining an effective behavior management system in the classroom. The foundation of any behavior management system consists of the behavioral expectations that set the standards for appropriate conduct in the classroom. These expectations are reflected in the teacher's rules, consequences, and procedures.

COS 251 Cosmetology Teacher Program

8 Hours

Prerequisites: Concurrent enrollment in Cosmetology 250. Must have a valid Illinois cosmetology license with a minimum of 2 years full-time work experience within the last 5 years. Letters from clients, managers, etc., verifying 2 years experience.

16 hours weekly (0-16)

This course is designed to give the student information in practical and theoretical applications used in the classroom and laboratory, which are taught in COS 250, Instructional Strategies. Upon completion of the 256 clock hours, students can make application to the State Board of Cosmetology, Department of Professional Regulations for examination for Cosmetology Teachers License.

COS 260 Cosmetology Review

8 Hours

Prerequisites: Lapsed Cosmetology License

16 hours weekly (0-16)

This course is designed as a refresher course for cosmetologists who need to renew their license or simply update their skills. This program is a compilation of topics covering the pertinent objectives necessary for the learner to accomplish in order to enter the work force.

Criminal Justice (CRJ)

CRJ 103 Introduction to Criminal Justice

IAI – CRJ 901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A review of historical and ideological foundations of the criminal justice system; delineation of major patterns of practice and organizational structure; specific focus on and description of the primary components of the criminal justice system and their relationships.

CRJ 105 Criminal Behavior

IAI – CRJ 912

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introduction to criminological theories and their application to the nature and causes of crime; utilization of theory in the analysis of and attempts to control crime; explanation of the multi-disciplinary aspects of criminology; discussion of interconnected relationship between the criminal justice system, offender, and the victim.

CRJ 115 Policing

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course examines the law enforcement component of the criminal justice system. The historical and contemporary perspective of policing in America is explored. Various issues such as organization, role, recruitment, patrol, discretion, police-community relations, police accountability, and international comparisons are studied. Upon completion of this course, the student will have an understanding of the internal and societal challenges that confront police on a daily basis.

CRJ 203 Introduction to Security

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course will introduce the student to public and private security issues. Emphasis will be placed on history of public and private security agencies, proprietary and contractual organizations of security, security planning, asset protection and loss prevention, physical security and design.

CRJ 205 Investigation Techniques

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course enables the student to examine the major theories and techniques of criminal investigation. Upon completion of this course, the student will have an understanding of the techniques of criminal investigation and will have learned some of the skills of investigation. He or she will also have learned the value and techniques of preserving evidence and how the chain of evidence is vital to a successful prosecution.

CRJ 209 Criminal Law

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course covers the substantive criminal law encompassed in the criminal code and the

constitutional limits on criminal law. Upon completion of the course, the student will be familiar with the key provisions of the criminal code, including elements of the offenses, parties to crimes, and defenses to criminal liability.

CRJ 218 Introduction to Corrections

IAI – CRJ 911

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An examination of the United States correctional system to include; county jails, juvenile facilities, state and federal prison systems. Emphasis will be placed on administration and operational models in both the community and institutional environment, history and evolution of corrections, correctional institution designs, constitutional law considerations, and punishment philosophies.

CRJ 219 Criminal Procedure

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course will examine the due process functions of the criminal law. Upon completion of the course, the student will have an understanding of the law and constitutional considerations concerning probable cause, arrest, search and seizure, stop and frisk, confessions and admissions, and legal evidence. Recent Supreme Court decisions affecting these areas will be covered.

CRJ 220 Probation, Parole, and Community-Based Corrections

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course will examine alternatives to incarceration and include the history and philosophical foundations of such programs. Special emphasis will be given to probation and parole systems, models of community-based corrections such as group homes, work release programs, and half-way houses. Treatment and rehabilitation methods will also be covered.

CRJ 221 Police Administration

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course will introduce the student to modern principles of organization and management. The course will provide background in organizational theory, behavior, and administration. Emphasis will be placed on objectives of police operations and future trends in police administration.

CRJ 223 Juvenile Justice

IAI – CRJ 914

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is a general overview of the juvenile justice system in the United States, with a concentration on the methods available for dealing with juvenile victims and offenders in the State of Illinois. The course includes historical and contemporary perspectives on the justice system's handling of minors as well

as definitions of the different categories of juvenile court cases, techniques for treating juvenile victims and offenders, types of foster care and residential treatment facilities available for minors, and types of community-based programs that deal with juvenile offenders. A major portion of the course will deal with delinquency issues, including informal and formal supervision, detention, institutionalization, gangs, and alcohol/drug use by minors.

Dental Assisting (DNA)

DNA 100 Oral and Dental Anatomy

2 Hours

Prerequisites: None

2 hours weekly (2-0)

Dental anatomy is designed to give the student a basic understanding of crown and root development, morphology, and functional and positional relationships of the teeth within the dentition.

DNA 101 Dental Emergencies & Pathology

2 Hours

Prerequisites: Completion of all fall semester DNA courses.

2 hours weekly (2-0)

This course is designed to introduce the student to the signs, symptoms, and treatment of medical emergencies in the dental office, and identify the supplies and materials needed in managing medical emergencies. Basic knowledge about oral pathology and associated terminology will be used to describe deviations from the normal in the patient's mouth.

DNA 102 Dental Assisting Procedures I

4 Hours

Prerequisites: None

6 hours weekly (2-4)

An introduction to the basic equipment, instruments, and procedures associated with the dental office, with emphasis being placed on learning to assist the dentist during four-handed dental procedures utilizing mannequins, demonstrations, and student practice. Principles and procedures of oral diagnosis and treatment planning, tooth numbering and surface annotation, local anesthesia, isolation procedures, and instrument use, care, and sterilization will be presented. The principles of cavity preparation and choice of materials and instrumentation for restoring amalgam and composite restorations will be used.

DNA 103 Dental Assisting Procedures II

2 Hours

Prerequisites: Completion of all fall semester DNA courses.

3 hours weekly (1-2)

This course utilizes the basic knowledge and skills required in DNA 102 to increase skill competency levels in operative dentistry with major emphasis given to principles and procedures of the dental specialties, including endodontics, periodontics, orthodontics, prosthodontics, pedodontics, and oral surgery. Patient care, management, and diagnosis and treatment planning for each specialty area will be presented. Assisting skills will be learned utilizing mannequins, demonstrations, and student practice. This class must be successfully completed before beginning an externship in a dental office.

DNA 104 Dental Radiography I

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course provides an introduction to dental radiography. The material covered includes basic theory regarding radiography, its equipment and equipment usage, the effects and hazards of radiation, and operator/patient protection during radiographic procedures. The types of exposures included in this course include bitewings and periapicals (bisecting and paralleling). This course provides the student with the technical knowledge needed for positioning, exposing, processing, mounting and

evaluating dental radiographs (to the extent of normal anatomy). The student will receive practical experience exposing and processing radiographs on mannequins.

DNA 105 Dental Radiography II

2 Hours

Prerequisites: Completion of all fall semester DNA courses.

3 hours weekly (1-2)

Utilizing the basic knowledge and skills emphasized in DNA 104, this course increases the skill competency levels to prepare diagnostically acceptable intraoral radiographs using paralleling and bisecting techniques. In addition, this course will encompass the techniques for exposing radiographs on children, edentulous patients, and other special populations. Developing skills in the extraoral techniques will be included. The student will receive practical experience exposing radiographs on mannequins and selected patients.

DNA 106 Preventive Dental Health Education

3 Hours

Prerequisites: Completion of all fall semester DNA courses.

4 hours weekly (2-2)

A review of the etiology of dental caries and a study of dental plaque and periodontal disease with emphasis on the prevention and control. The role of the dental assistant in regard to oral health education will be the primary focus. The basic content, including proper nutrition and oral hygiene, directs students toward the ability to practice their communication skills and nutritional counseling skills as they relate to preventive dental health education. The student will receive practical experience for the delivery of dental health education.

DNA 107 Dental Materials

3 Hours

Prerequisites: None

4 hours weekly (2-2)

A study of the physical and chemical properties and origin of dental materials, including the manufacturing process of specific materials. Dental materials is a science dealing with the development, properties, manipulation, care, evolution, and evaluation of materials used in the treatment and prevention of dental diseases. Through the understanding of how basic principles affect the choice, manipulation, patient education, and care of all materials used to assist in rendering dental services, the dental assistant can help ensure the ultimate success of a patient's dental work. Laboratory experiences are designed to develop competency in skills of manipulation and application of the materials to dental procedures.

DNA 108 Head and Neck Anatomy

2 Hours

Prerequisites: None

2 hours weekly (2-0)

Head and Neck Anatomy is designed to give the student a basic understanding of the major anatomical landmarks of the head and neck, their location, innervation, blood supply, and function.

DNA 109 Dental Office Procedures

2 Hours

Prerequisites: Completion of all fall semester DNA courses.

3 hours weekly (1-2)

Business skills needed to function successfully as a dental secretary/office manager will be explored. Written skills (appointment book, accounts receivable and payable, fee collection, and recording) will be stressed. Proper bookkeeping (check writing, statement reconciliation, petty cash, etc.) will be explained and practiced. Prepaid dental care plans, payment plans, and necessary forms will be discussed. Effective oral and written communication with the public will be stressed. The student will receive computer experience using dental software programs. Knowledge and mastery of these procedures will enable the student to assist in the operation of an efficient dental office.

DNA 110 Infection Control

1 Hour

Prerequisites: None

1 hour weekly (1-0)

This course is designed to provide the student with the basic concepts, procedures, and current regulatory mandates related to infection control and the management of hazardous materials for the dental team.

DNA 112 Dental Assisting Externship

2 Hours

Prerequisites: Completion of all fall semester DNA courses.

6 hours weekly (1-5)

A clinical practice learning experience to increase dental assisting skills to job-entry level competency. Clinical assignments in various dental specialty practices, as well as general dentistry practices will provide opportunities for advanced skill development in chairside assisting techniques, clinical support, and business office procedures. Students will demonstrate effective therapeutic communication skills. Ethical, legal, and personal responsibilities, testing and certification requirements, employer-employee relationships, job opportunities, professional development and continuing education, and current techniques/ equipment will be discussed in group sessions.

DNA 113 Oral Embryology & Histology

2 Hours

Prerequisites: None

2 hours weekly (2-0)

Oral Embryology and Histology is designed to provide the student with the knowledge to understand the embryological development and microscopic examination of orofacial organs and structures.

DNA 200 Dental Expanded Functions

3 Hours

Prerequisite: Students enrolling in this course must have the following completed prior to enrollment:

CPR Certification, Successful completion of CODA accredited Dental Assisting Program **OR** Successful completion of the DANB **OR** A Certified letter from a dentist indicating five years of full-time work. DNA 100, DNA 101, DNA 106, DNA 108 and DNA 110 must be successfully completed at JALC.

5 hours weekly (1-4)

This condensed course expands the basic knowledge and skills to the current expanded

functions allowed in Illinois. This includes coronal polishing, supragingival scaling, placing pit & fissure sealants, starting the flow of oxygen and monitoring of nitrous oxide-oxygen analgesia. The course will be taught with an online component, in addition to face to face lectures, lab and clinical patient experience. Students must complete this course with a grade of 75% or higher. Upon this completion, the student may enroll in DNA 202 Dental Expanded Functions: Restorative.

DNA 202 Dental Expanded functions: Restorative

4 Hours

Prerequisites: Students enrolling in this course must have the following completed prior to enrollment:

CPR Certification, Successful completion of DNA 200 Dental Expanded Functions, Successful completion of CODA accredited Dental Assisting Program **OR** Successful completion of the DANB **OR** A Certified letter from a dentist indicating five years of full-time work. DNA 100, DNA 101, DNA 106, DNA 108 and DNA 110 must be successfully completed at JALC.

6 hours weekly (2-4)

This condensed course expands the basic knowledge and skills to the current expanded functions allowed in Illinois. This includes material or digital final impressions, bite registrations, placing and carving, and finishing of amalgam restorations and placing, packing and finishing composite restorations. This class will be taught through online, didactic, lab and clinical patient experience. Students must complete this course with a grade of 75% or higher, along with the observation and approval of eight completed amalgam or composite restorations by a supervising dentist. Upon successful completion of these functions the participant will be awarded a Certificate of Completion in Expanded Functions- Restorative.

Digital Media Technology (DMT)

DMT 105 Symbolism & Logo Design

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course will teach students the Adobe Illustrator program, which is the industry standard for vector-based design in the graphic arts field. Students will use universal symbols and visual communication to create their own designs and illustrations.

DMT 115 Layout Design

3 Hours

Prerequisites: None

4 hours weekly (2-2)

InDesign is the program for page layout artists. It is used to create high end advertisements, lay out magazines and books, as well as other print projects that need exacting typographic and layout specifications. In this course, you will learn how to implement InDesign into the daily workflow of your design career. You will also break down actual ad and layout designs from brochures and newspapers to discuss how these can be built within InDesign.

DMT 160 Typography

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Students will study the history of lettering from ancient symbols to today's digital technology. Students will also study various type families, become familiar with the terminology, and practice the art of hand lettering. Students will learn the art of designing with type and become familiar with different 'moods' or feel the typography can have for different occasions. Students will also learn different styles of type used throughout history. Emphasis on rules for proper letter spacing, word spacing and the arrangement of type for maximum readability will be stressed.

DMT 170 Video Game Industry & Design

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Introduction to electronic video game development, processes, and game development careers. This course includes an examination of the history of video games, genres and modes, the game development processes with an emphasis on design elements, assets for games, game industry teams and careers, and managerial roles in the game development and publishing industry.

DMT 185 Production Design Technologies

3 Hours

Prerequisites: None

4 hours weekly (2-2)

In this course, the student will learn a series of steps for creating a printed product. From the conception and execution of a design through editing and production of the finished product, students will learn about various printing processes focusing mainly on offset lithography. Upon completion of this course, the student will have a clear understanding of the four-color printing process and their role as graphic designer in the process.

DMT 205 Digital Imaging Technologies

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Adobe Photoshop is the premier program for photographic manipulation for Graphic Designers and Illustrators. It is used for everything from print to web to video and now 3D. In this course, you will learn how to work within Adobe Photoshop, creating strong visuals for many different mediums. You will learn how to scan images and then modify them for use in your projects using tools with Photoshop. While learning these tools you will learn to manipulate images, create posters, paintings, videos, and 3D advertisements.

DMT 220 Animation I

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Study of animation principles related to the movie and TV advertising industry. Individual projects will include composition, time and space, layering, masking, special effects, and lighting. Windows based computers will be used with other effects software.

DMT 230 Video Production I

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Study basic skills and terms involved in television production. Projects will include set-up, lighting, gathering audio and recording video for corporate production, news, short-films and commercials. Apple based computers will be used in conjunction with Adobe Premiere and other effects software.

DMT 240 Packaging Design

3 Hours

Prerequisites: DMT 185

4 hours weekly (2-2)

This introduction to packaging design will allow students to see the importance of packaging in the marketplace. Students will study brand development, typography, packaging materials, production, and sustainable design. Final pieces will be executed and either photographed or digitally rendered so that each piece is portfolio ready.

DMT 250 Intro to Web Design

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Knowledge of basic Web Design is rapidly becoming a prerequisite skill in many technology-oriented occupations. Even for those who do not intend to enter a career exclusively in web design, the current demand for basic abilities to create and manage a web presence is becoming widely expected. By the end of the course, students should feel comfortable designing web content from scratch or editing existing web content regardless of their chosen career path.

DMT 260 Interactive Design

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Students will study all aspects of interactive digital media and how it is becoming a necessary skill in today's ever evolving market. The current demand for basic abilities to create and manage online digital media is becoming widely expected. Students will explore subject

matter such as social media, website creation, and app development.

DMT 265 Branding & Multimedia Design

3 Hours

Prerequisites: DMT 105

4 hours weekly (2-2)

Course provides an examination of the role of graphic design in brand identity, logo design, and brand marketing. Topics include current design strategies for developing integrated digital branding solutions and practical application by hands-on experience in designing, application, and presentation of a company identity, logo, and brand program.

DMT 280 Advanced Layout Design

3 Hours

Prerequisites: DMT 115

4 hours weekly (2-2)

In this advanced layout design course, students tackle advanced level projects that push their design skills to the limit. This class capitalizes on the skills learned in DMT 115 and introduces them to new techniques and methods of publication layout and design. Students will continue to learn about newspaper and brochure design, but will also learn new skills including infographics, book layout, and magazine design.

Drafting Technology (DRT)

DRT 181 Technical Drafting I

4 Hours

Prerequisites: None

6 hours weekly (2-4)

This is a lecture-laboratory course designed to promote the basic technical skills involved in mechanical drafting. Geometric construction, orthographic projection, sections, auxiliary views, dimensioning, and tolerancing will be studied with the major emphasis on the fundamentals of orthographic projection.

DRT 185 Computer Graphics I

2 Hours

Prerequisites: None

3 hours weekly (1-2)

This course is designed to provide the student with an introduction to the practical uses of computer graphics. The student will become familiar with using a CAD system. The lab will provide hands-on experience.

DRT 192 Blueprint Reading

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Fundamentals of blueprint reading as applied to the welding industry. Basic drafting principles are studied and applied to specific problems.

Early Childhood Education (ECE)

ECE 120 Guiding Play and Learning

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course focuses on play as an integral part of children's learning and healthy development. Students will learn how to promote children's social, emotional, physical, cognitive, language, as well as academic skills through play. It covers play theory and design of the learning environment. Students will learn how to promote prosocial behaviors through supportive relationships and environments with diverse settings and guide self-regulation, prosocial development and task engagement of children. Emphasis is placed on appropriate ways to guide children in their play activities and routines, and ways to develop creativity in children.

ECE 150 Infancy Development

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course introduces students to the beginnings of human life including reproduction, conception, pregnancy stages, pregnancy difficulties, and quality infant and toddler child care. The study of child development theory, research, and implications for child care practices from birth to 36 months is a major focus of the course. Emphasis is also placed upon NAEYC's developmentally appropriate practices for infants and toddlers; and providing culturally sensitive care to diverse families.

ECE 151 Health, Safety, and Nutrition

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course provides an overview of the health, safety, and nutritional needs of young children and early childhood practices to ensure children's well-being in group settings birth to age eight. Content includes roles and responsibilities of adults in meeting children's needs, healthy life style practices, childhood illnesses and injuries, meeting health, nutrition, and safety standards, and planning nutritionally appropriate meals. Information on program planning, curriculum, current issues, and parent education in regard to health and safety will also be discussed.

ECE 160 Child, Growth and Development

IAI – ECE 912

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A foundation course in theory and principles of the developmental continuum, including an in- depth study of physical, social/emotional, cognitive, language, and aesthetic development; an examination of current research and major developmental theories encompassing birth through eight years of age. This course will include an exploration of child development within a socio-cultural context, such as gender, family, race, ethnicity, language, ability, socio- economics, religion, and society; and emphasis on the implications for early childhood professional practice. Students must be concurrently enrolled in ECE 161 Early Childhood practicum; requiring 2 hours per week of hands-on experience in JALC Preschool or other early childhood facility with instructor's approval.

ECE 161 Early Childhood Practicum

1 Hour

Prerequisite: ECE 160, Minimum Grade: C or

Concurrent enrollment in ECE 160

2 hours weekly (0-2)

This course is designed to provide students with hands-on experience in working with young children. Students will engage in the practical application of child development knowledge and professional teaching practices with infants, toddlers and preschool children in the JALC Preschool or another approved early childhood facility. The student will work with young children 2 hours per week under the direct supervision of a qualified professional. The college instructor will coordinate the learning experience, including performance assessments.

ECE 171 Family Child Care Practicum

1 hour

Prerequisites: ECE 140, Minimum Grade: C

ECE 151, Minimum Grade: C

ECE 160, Minimum Grade: C

2 hours weekly (2-1)

In this course students will receive hands-on experience working with children in a home setting as well as a center based child care setting. Students will compare and contrast these two different child care settings. Students will engage in the practical application of child development knowledge and professional teaching practices with multi-age groups. The student will work with children two hours per week under the direct supervision of a qualified professional. The college instructor will coordinate the learning experience, including performance assessments. Fifty percent of this lab time must occur in a licensed family child care home and 50% of this lab time must occur in a licensed child care center. This course will fulfill the practicum experience requirements for the Illinois Gateways to Opportunity, Family Child Care Credential.

ECE 220 Infant Toddler Curriculum

3 Hours

Prerequisite: None

3 hours weekly (3-0)

This course is designed to provide students with the knowledge and skills for planning and implementing developmentally appropriate curriculum for children birth to three years. The importance of high quality infant toddler care environments will be discussed to include: room arrangement, activities and materials, daily routines, transactions, health and safety, promoting nurturing relationships and learning through play. Emphasis will be placed upon meeting the needs of the whole child (physical, social, emotional, language and cognitive), assessment and documentation and developing positive relationships with diverse families.

ECE 240 Observation and Assessment

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to demonstrate to the student how to do authentic, alternative, classroom-based assessment on young children. It will further provide the student with the knowledge and skills to interpret and use the information gained to plan curriculum that is responsive to and supportive of children's learning and development. Students will have the opportunity to engage in assessment processes through means of classroom observations, providing each student with a stronger understanding of child development

skills. Students will take responsibility for using a variety of age, developmentally, linguistically, and culturally appropriate formal and informal assessments to gather and share information on each child's skills, abilities, interests, and needs, birth through age eight.

ECE 245 The Exceptional Child

IAI – ECE 913

3 Hours

Prerequisites: PSY 132 and PSY 262

3 hours weekly (3-0)

This survey course provides an overview of educational and evidence-based strategies supporting children with exceptional cognitive, social, physical, and emotional needs. Identification, intervention strategies, methods, and programs to meet the needs of children are presented. Study of applicable federal and state laws and requirements conducted, including: Individuals with Disabilities Education Act, Individualized Family Service Plan, Individualized Education Programs, and inclusive programming. Fulfills requirements of School Code 25.25.

ECE 260 Child, Family & Community Relations

IAI – ECE 915

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to provide students with the knowledge and skills needed to work successfully with families and parent groups in individual, group, school and community settings. The focus will be on strengthening adult-child relationships and parent staff relationships in home, school and community. Settings. An awareness of strategies in developing positive and supportive relationships with families of young children with special needs, including the legal and philosophical basis for family participation; family-centered services; and strategies for working with socially, culturally and linguistically diverse families will be included. Family involvement in early childhood programs and parent education will be stressed.

ECE 265 Early Childhood Curriculum

3 Hours

Prerequisites: None

5 hours weekly (3-0)

This course teaches the principles involved in planning, implementing and evaluating developmentally appropriate curriculum for young children. The course focuses on relationships among developmental theory, philosophy and reflective practice. Development of curriculum based on the individual needs and interests of young children and the analysis of a wide range of early childhood curriculum models is emphasized. Course content also includes writing lesson plans, classroom management, observing and documenting the child's progress and meeting Illinois Learning Standards.

ECE 266 Preschool Administration

3 Hours

Prerequisites: ECE 150, 160, 265, 267

3 hours weekly (3-0)

This course is an orientation to supervisory and administrative operations of early childhood programs to include center-based and family child care homes. Consideration is given to promoting high quality care and education to young children and adhering to professional standards and legal guidelines. Course topics will include administrative duties, responsibilities, and concerns/issues involved in

owning or running a child care business such as staffing, public relations, equipment, funding, parent-staff communication/relationships, curriculum, policies, state/federal laws, recording keeping, technology, and other related topics. Community needs, services and resources available to support early childhood programs and families will also be discussed.

ECE 267 Child Care Laboratory I

5 Hours

Prerequisites: ECE 150, 160, 265

15 hours weekly (0-15)

This course involves actual work experience with young children that will give the student an opportunity to apply knowledge of child development theory and principles of developmentally appropriate care and education. The student will assist the supervising teacher with guiding children, implementing activities, and maintaining a healthy, safe, attractive, and stimulating learning environment.

Note: Combined enrollment of ECE 267 and 268 will not exceed 22 students.

ECE 268 Child Care Laboratory II

5 Hours

Prerequisites: ECE 267

15 hours weekly (0-15)

This course will provide the student with additional work experience with children in an early childhood setting. The student is expected to gradually take more initiative in assisting the supervising teacher in the classroom. The experience will include observing and analyzing children's behavior; planning and implementing developmentally appropriate activities/ lessons; using positive discipline techniques; maintaining a healthy, safe, attractive, and stimulating classroom; and helping children to develop their potential socially, emotionally, physically, and intellectually.

ECE 272 Language and Literacy Development

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is a study of language and literacy development beginning in infancy and progressing through the primary years. Emphasis will be placed on promoting family literacy, approaches to reading and writing instruction, application of research to practice, and evaluation of commercialized instructional programs. Students will be introduced to elementary school reading programs, reading problems, and remediation concerns.

ECE 279 Management Internship

4 Hours

Prerequisites: Career Early Childhood Education

AAS Degree

20 hours weekly (0-20)

This course will provide students with advance management experience in an early childhood facility selected by the College to meet Illinois Director Credential requirements. The student will work in the facility 300 contact hours (20 hrs. per wk). This experience will primarily involve job shadowing a seasoned program administrator, interviewing, performing tasks assigned by the administrator/site supervisor; as well as completing projects assigned by the College instructor.

ECE 280 Professional Development

4 Hours

Prerequisites: Early Childhood Education AAS Degree

8 hours weekly

This course was designed to assist students in fulfilling the professional contribution component of the Illinois Director's Credential (IDC). The IDC requires students to demonstrate professional commitment and leadership in the field of early childhood education through active engagement in professional endeavors beyond the scope of daily management of a center. The course instructor will provide support, supervision and guidance as students explore professional development opportunities, develop their plans, and engage in professional activities. Course requirements will be met via independent study and approved field experiences.

Economics (ECO)

ECO 201 Introduction to Macroeconomics
IAI – S3 901
3 Hours

Prerequisites: None
3 hours weekly (3-0)

This introductory course emphasizes macroeconomic theory and application. Major topics include basic economic principles; capitalism vs. socialism; supply and demand analysis; resource allocation; evaluation of the major macroeconomic problems; inflation and deflation; employment and unemployment; national income accounting and theories; economic roles of households, business, government, and foreign sector; the business cycle including economic fluctuations, stability and growth; Classical, Keynesian, and monetarist economic theories, fiscal policy, monetary policy; money and banking, international economics and the world economy.

ECO 202 Introduction to Microeconomics
IAI – S3 902
3 Hours

Prerequisites: None
3 hours weekly (3-0)

This introductory course emphasizes microeconomic theory and application. Major topics include basic economic principles; capitalism vs. socialism; supply and demand analysis; resource allocation; behavior of the consumer; price theories including price and output determination, and the behavior of the firm under varying market structures; monopoly problems, including antitrust and regulation; factor markets with emphasis on the labor market; income distribution and poverty; international economics and the world economy.

Education (EDC)

EDC 200 Introduction to Education

3 Hours

Prerequisites: None

4 hours weekly (2-2)

EDC 200 provides a comprehensive overview of American education and the teaching profession. The course examines the theoretical and philosophical basis of American education, school governance, curriculum, financing, legal, ethical and professional issues in education. Students are introduced to the spectrum of student diversity; the assets individual students bring to learning across the curriculum, and the influence social, economic, cultural, and linguistic experiences have in developing a learning community in which individual differences are respected and meaningful learning opportunities are created for all students.

Students may be required to pass a background check in order to fulfill classroom observation requirements.

EDC 202 Human Growth, Development, & Learning

3 Hours

Prerequisites: PSY 132 with a grade of "C" or higher

4 hours weekly (2-2)

This course is an overview of human growth, development and learning from conception through the adult lifespan. Major areas of human development, including physical, social, emotional, and cognitive, and the interaction among these areas, are considered. This course will examine theoretical and research-based understandings of principles of human development as well as dynamics of human behavior and social relations. Multicultural and pluralistic topics affecting development, including characteristics and concerns between and within diverse groups nationally and internationally area explored.

Students may be required to pass a background check in order to fulfill classroom observation requirements.

EDC 203 Schooling in a Diverse Society

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is an overview of American education as both a professional and a public enterprise. Social, historical, and philosophical foundations are considered to give perspective to current issues, policies, and trends in the field of education. The course will examine how schooling is shaped by the social contexts in which it occurs, particularly in multicultural and global contexts.

Students may be required to pass a background check in order to fulfill classroom observation requirements.

EDC 208 Introduction to Special Education

3 Hours

Prerequisites: EDC 202

3 hours weekly (3-0)

This introductory course provides a broad overview of the education, needs, and characteristics of exceptional people, including relevant terminology, strategies, and issues commonly encountered. The course will also address Council for Exceptional Children (CEC) and Illinois Professional Teaching Standards (IPTS) for the preparation of special education

professionals. The relationship with and role of related fields will also be explored.

Using a multi-disciplinary approach covering the life span of students with disabilities, the course begins with the basic concepts, history, and legislation, followed by the individual areas of exceptionality within a social systems perspective. Specific focus will be placed on terminology, etiology, identification, assessment, treatment, and social issues/concerns.

Students may be required to pass a background check in order to fulfill classroom observation requirements.

EDC 210 Regular Education Observation

1 Hour

Prerequisites: 30 hours of successful coursework (20 at John A. Logan College); or consent of instructor; comprehensive GPA of 2.75

2 hours weekly (0-2)

This course is designed to introduce education students to the learning/teaching environment. The field observation experience is related to concepts introduced in program coursework. Activities are assigned so that students are directed through a sequence of planning, implementation, and reflection. In addition, various activities are given by the cooperating teacher to familiarize students with various roles of the teacher.

Students may be required to pass a background check in order to fulfill classroom observation requirements.

Electronics (ELT)

6ELT 100S DC/AC Supplemental Instruction

2 Hours

Prerequisites: Concurrent enrollment in ELT 102 or ELT 111

2 hours weekly (2-0)

This course is designed to provide both group and individual supplemental instruction. The purpose is to provide additional opportunity for student success in the Electronics program.

This is a skill building course and is not used to calculate GPA at John A. Logan College. In addition, it will not transfer.

ELT 102 Basic Electricity and Wiring

4 Hours

Prerequisites: None

6 hours weekly (2-4)

This course is designed to give students a basic understanding of industrial electricity and power systems to include industrial control circuits.

ELT 103 Applied DC/AC Circuits

4 Hours

Prerequisites: ELT 102

6 hours weekly (2-4)

This course is designed to introduce the student to applied DC/AC circuits. DC topics will include the study of Superposition Theorem, filters, Voltage dividers. AC circuit analysis will include sinusoidal sources, RMS calculations, resonant circuits, capacitive and inductive time constants, series and parallel resonance, and transformers will be covered. Students will use the theory learned in the classroom to design and construct circuits in the laboratory, computer simulation software will also be used. Test equipment will be used to take measurements and to perform basic trouble.

ELT 104 Introduction to VFDs

2 Hours

Prerequisites: ELT 102 with a grade of "C" or higher

3 hours weekly (1-2)

This course will introduce the student to variable frequency drive through theory and hands-on labs. The topics will include variable frequency drive safety, operation, setup, programming basic wiring and troubleshooting.

ELT 111 Digital Electronics I

3 Hours

Prerequisites: None

8 hours weekly (2-2)

This course will introduce students to basic digital technology systems. An understanding of the benefits of digital systems is examined. Number systems (binary, hexadecimal) and learned. Combinational logic gates including simplification using Boolean algebra and Karnaugh mapping are applied. Students receive hands on lab experiments throughout the course to confirm classroom lectures and textbook reading. Soldering exercises including some surface mount components are utilized. This course concludes with a comprehensive final project.

ELT 112 Digital Electronics II

3 Hours

Prerequisites: ELT 111 with a grade of "C" or higher

4 hours weekly (2-2)

Digital Electronics II presents specifications of integrated circuits for application in circuit designs that interface with real-word analog devices. Various display technologies and digital coding schemes are learned. Sequential logic design using flip flops prepares the student for synchronous and asynchronous circuit design in the last quarter. Students receive hands on lab experiments throughout the course to confirm classroom lectures and textbook reading. Soldering exercises including surface mount components are utilized. This course concludes with a comprehensive final project.

ELT 150 Applied Solid State Electronics

3 Hours

Prerequisites: ELT 102

4 hours weekly (2-2)

This course is designed to introduce the student to solid state devices, controls, and their applications. Basic theory of operation and troubleshooting practices will be introduced using meters and the oscilloscopes. Some of the devices covered will include diodes, thyristors, power supplies, transistors, operational amplifiers, and voltage regulators.

ELT 151 Applied Solid State Circuits

3 Hours

Prerequisites: ELT 150

4 hours weekly (2-2)

This course is designed to introduce the student to applied solid-state circuits. Topics include the AC analysis transistor amplifier. Op amps integrators and differentiators, and active filters. AM, FM, and fiber optic communication theory will be covered. Students will use the theory learned in the classroom to design and construct circuits in the laboratory.

ELT 170 Biomedical Instrumentation I

3 Hours

Prerequisites: ELT 102 and ELT 111 both with a grade of "C" or higher

4 hours weekly (2-2)

This course is one of three courses in a sequence that covers biomedical instrumentation and regulations. This course will cover safety, regulations, and monitoring systems.

ELT 180 Ethics in Technology

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This integrated course provides a comprehensive exploration of ethical considerations spanning the broader landscape of technology and the specific realm of Information Technology (IT). Students will engage in critical discussions, case studies, and hands-on applications to develop a holistic understanding of ethical challenges in the design, development, and deployment of technology. The curriculum aims to equip participants with the ethical principles necessary to navigate the complex intersection of technology and society.

ELT 200 Introduction to Microprocessors

3 Hours

Prerequisites: ELT 102, ELT 111

4 hours weekly (2-2)

Students will learn how basic microprocessor architecture works including memory and math, and I/O systems. Computer languages from low to high level are explained. Embedded microcontrollers are introduced along with

interfacing these modern systems in real-world applications.

ELT 210 Supporting Computer Operating Systems

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Supporting Computer Operating Systems examines the support needs of various industries including office environments, production facilities, and specialized applications of small computing devices such as tablets and smartphones. A history of operating systems is examined along with the importance of O.S. continuity with industrial robotics and specialized control systems. Windows and multiple Linux distributions are the primary operating systems students will install. Other elements of the course include disaster recovery, information systems security, customer service, and teamwork.

ELT 214 Fundamentals of Computing Hardware

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Fundamentals of Computer Hardware validates knowledge of computer and server hardware systems, emphasizing component identification, power systems, CPU variation, memory types, BIOS, storage systems, and internal and external data communication methods. Labs focus on building, upgrading, configuring, and troubleshooting computers. Other elements of the course include preventive maintenance, hardware security, and teamwork.

ELT 215 IOT and Embedded Systems

3 Hours

Prerequisites: ELT 102 and ELT 111 both with a grade of "C" or higher

4 hours weekly (2-2)

The course provides a comprehensive exploration of the interconnected world of IoT, where devices, sensors, and systems communicate and collaborate to transform industries and everyday experiences. This course delves into the history, networking protocols, hardware components, impact on internet infrastructure, and critical security and ethical considerations shaping the IoT landscape. Through a combination of theoretical learning, hands-on projects, and real-world case studies, students will gain the knowledge and skills necessary to navigate the dynamic and transformative IoT domain.

ELT 218 Introduction to Network Technologies

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course provides an introduction to fundamental concepts and technologies in computer and IoT networking. Students will explore the architecture, protocols, and components that underpin modern communication networks. The course will cover topics ranging from the history of networking to current trends in networking technologies. Through a combination of lectures, hands-on labs, and real-world case studies, students will gain a solid understanding of networking principles and practices.

ELT 220 Special Projects in Electronics

3 Hours

Prerequisites: ELT 102 and ELT 111

4 hours weekly (2-2)

This course will introduce the student to applied metrology of common test equipment, including DMMs, oscilloscopes, spectrum analyzers, signal generators, and RLC bridges. Projects utilizing both analog & digital components will be designed, built, tested, and troubleshot. Programmable logic devices and hardware design languages will be utilized. Data compression, error detection/correction, and authentication will also be covered. Other topics deemed worthy of interest/discussion by the instructor may be covered as time permits.

ELT 222 Applications of Artificial Intelligence

3 Hours

Prerequisites: ELT 102 & ELT 111

4 hours weekly (2-2)

This course introduces students to the practical applications of Artificial Intelligence (AI) in various domains, equipping them with the skills necessary to design, implement, and deploy AI solutions. The curriculum emphasizes research on the topic of AI along with current applications of microcontrollers, IOT devices, traditional computers, and cloud computing to provide hands-on experience and real-world problem-solving essential for applied AI.

ELT 224 Power Distribution and Motors

3 Hours

Prerequisites: ELT 102 or consent of instructor

4 hours weekly (2-2)

This course will be concerned with power distribution systems and motor loads. Both three phase and single phase will be discussed.

ELT 243 Renewable Energy Systems

3 Hours

Prerequisites: ELT 102 or HAC 102 with a minimum grade of "C"

4 hours weekly (2-2)

Students will develop knowledge in the solar energy technologies field. They will learn the various types of solar systems and how to set up a solar energy system. Also general maintenance and cost calculations will be covered.

ELT 250 Biomedical Instrumentation II

3 Hours

Prerequisites: ELT 102 with a minimum grade of "C"

ELT 111 with a minimum grade of "C"

4 hours weekly (2-2)

This course is one of three in a sequence that covers biomedical instrumentation and regulations. This course covers laboratory, life support, portable, and therapeutic equipment.

ELT 270 Introduction to Smart Grid

3 Hours

Prerequisites: ELT 102 or HAC 102 with a minimum grade of "C"

4 hours weekly (2-2)

This course will explore smart grid technology and how it applies to today's industries. The use of smart grid technology can help residential and commercial individuals to be more aware of their energy usage. Topics covered in this course will include: safety, traditional grid construction and operation, Smart grid operation, Smart grid communications, retrofits that may enhance energy management effectiveness for smart grid users & an over view of green energy systems building codes and compliance requirements. Also included will be hands-on labs that will allow the student to gain experience using today's industry hardware.

ELT 280 Biomedical Instrumentation III

3 Hours

Prerequisites: ELT 250 with a grade of "C" or higher

4 hours weekly (2-2)

This course is a continuation of Biomedical Instrumentation I and II and covers operating room equipment, diagnostic imaging equipment, medical specific test equipment and healthcare information technology for technicians.

Emergency Medical Services (EMS)

EMS 248 Emergency Medical Responder

4 hours

Prerequisite: None

5 hours weekly (3-2)

This course is an introduction to the Emergency Management Services programs. Students will participate in patient assessment education and evaluation.

EMS 250 Paramedic I

12 Hours

Prerequisites: EMT 111 or equivalent, ALH 101 or valid CPR-Healthcare Provider Card

14 hours weekly (10-4)

This course expands on the basic EMT level material in the areas of medical, legal, moral, and ethical responsibilities, and human anatomy and physiology. Patient assessment will be comprehensive and evoke critical thinking concepts. Anatomy and physiology will be covered in preparation for EMS 251. Students must meet all health requirements to participate in clinical and internship activities.

EMS 251 Paramedic II

9 Hours

Prerequisites: EMS 250, ALH 101 or valid CPR-Healthcare Provider Card, current Illinois EMT-Basic or EMT-Intermediate

11 hours weekly (7-4)

This course introduces students to the anatomy and physiology of the cardiovascular system, emphasizing the structure, function, and electrical conduction system of the heart, and the pathophysiology and emergency management of the cardiovascular system. The student will study the EKG interpretation and treatment of various arrhythmias and specific treatment techniques, including CPR, EKG, monitoring, defibrillation and cardioversion. The student will also study and show proficiency in advanced airway techniques and demonstrate an understanding of pharmacology and medications administered by the paramedic.

EMS 251A Paramedic II Clinical

3 hours

Prerequisite: A valid CPR Healthcare Provider Card, current Illinois EMT-Basic, EMS 250 and concurrently enrolled in EMS 251.

12 hours weekly (0-12)

This course is designed to present the expected medical objectives of EMS 251 in a supervised work environment. This course will also expose the student to patient care skills they will utilize while working as a paramedic, under appropriate supervision.

EMS 252 Paramedic III

9 Hours

Prerequisites: EMS 250 and EMS 251, valid CPR-Healthcare Provider Card, current Illinois EMT-Basic or EMT-Intermediate

11 hours weekly (7-4)

This course is a continuation of EMS 251 covering advanced body systems. The student will first learn the management of hemorrhage in the patient followed by shock and its effects on body systems, and how the nervous system relates to trauma and medical emergencies. The student will also explore additional body systems including endocrine, gastrointestinal, and integumentary.

EMS 252 A Paramedic III Clinical

3 Hours

Prerequisite: Prerequisite: EMT 111, ALH 101, EMS 250, EMS 251, EMS 251A, or equivalents. Concurrent enrollment in EMS 252.

This course is designed to present the expected medical objectives of EMS 252 in a supervised work environment. This course will also expose the student to patient care skills they will utilize while working as a paramedic, under appropriate supervision.

EMS 253 Paramedic IV

9 Hours

Prerequisites: ALH 101, EMS 252, EMS 252A

11 hours weekly (7-4)

This course is a continuation of EMS 252 that will expand into specific types of patients and special circumstances in EMS. Students will learn about hematology, infectious diseases, patients with behavioral and/or psychiatric disorders, physical disabilities, pediatrics, and geriatrics, with special emphasis on personal safety and patient care. Students will also learn techniques of emergency childbirth, be able to identify obstetrical emergencies, respond to hazardous emergencies and explain the incident command system.

EMS 253 A Paramedic IV Internship

3 Hours

Prerequisite: EMT 111, ALH 101, EMS 250, EMS 251, EMS 251A, EMS 252, EMS 252A or equivalents. Concurrent enrollment in EMS 253

12 hours weekly (0-12)

This course is designed to present the expected medical objectives of EMS 253 in a supervised work environment. This course will also expose the student to patient care skills they will utilize while working as a paramedic, under appropriate supervision.

EMS 255 Paramedic Professional Development

0.5-4.0 Hours

Pre-requisite: EMS 251, EMT 114 or equivalent

Hours weekly:Variable

This course is designed to meet professional development requirements for existing EMT Intermediates and Paramedics. All topics in the paramedic courses will be presented during the course.

Emergency Medical Technician (EMT)

EMT 111 Emergency Medical Technician I

12 Hours

Prerequisites: Students completing EMT 111 must turn 18 years of age, finished with or be receiving HS diploma or equivalent, and have valid CPR Healthcare Provider Card certification prior to the end of EMT 111.

16 hours weekly (8-8)

This course is designed to provide the student with techniques of emergency care and transportation of the sick and injured. Emphasis is also placed on the legal and ethical responsibilities of the EMT, anatomy and physiology of the human body, resuscitation and defibrillation, techniques of using emergency equipment, and incident management.

EMT 114 EMT Professional Development

0.5-4.0 hours

Prerequisite: EMT 111 or equivalent

Hours weekly: Variable

This course is designed to meet professional development requirements for existing EMT's. All topics affiliated with the EMT curriculum will be presented during this course.

Engineering Graphics (EGR)

EGR 101 Engineering Graphics

IAI – EGR 941

3 Hours

Prerequisites: None

5 hours weekly (2-3)

This course is designed primarily as an introduction to engineering design and graphics. Topics covered include: design problems, sketching, dimensioning, tolerancing, multi-view presentation, auxiliary views, sections views and working drawings. Students will design, build and present a project involving problem solving skills learned throughout the course.

English (ENG)

ENG 050 Basic Reading & Writing

5 Hours

Prerequisites: None

5 hours weekly (5-0)

This course introduces students to reading and writing skills necessary for success in college. Students learn to understand and remember better what they read. Writing assignments require them to engage in a process of planning, drafting, revising, and editing. Editing skills (grammar, punctuation, and spelling) are emphasized throughout the semester.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

ENG 052 Developmental Writing Skills

5 Hours

Prerequisites: None

5 hours weekly (5-0)

Developmental writing enables students to gain confidence in their writing ability through journal writing, reacting to personal reading, and writing for a variety of purposes. Students also develop peer-revising skills that enable them to recognize strengths and weaknesses in their own and others' writings. While this course is not designed for transfer, it prepares students to succeed in English 101 and assists them in developing the communication skills they will need in their chosen occupational field. Students must earn a grade of "C" or higher in order to progress to ENG 101.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

ENG 053 Developmental Reading Skills

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is a "slice of college life" approach which involves students in a lively and immediate application of the reading process. Students will learn previewing, underlining/highlighting, marginal note taking, locating and defining key concepts, mapping, and summarizing. In addition, students will learn to manage time, to take effective classroom notes, and to prepare for and take objective and essay examinations. The course will be devoted to the direct application of these strategies to content area materials.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

ENG 055 Composition Literacy

3 Hours

Co-Requisite: Concurrent Enrollment in ENG 101

3 hours weekly (3-0)

Co-requisite sections of Composition Literacy enable students to gain confidence in their writing ability through journal writing, reacting to personal reading, and writing for a variety of purposes. Students also develop peer-revising skills that enable them to recognize strengths and weaknesses in their own and others' writings. Additionally, students benefit from writing workshops and one-on-one teaching meant to promote successful completion of a concurrent section of ENG 101. Students must earn a grade of "C" or higher in both ENG 055 and ENG 101 to progress to ENG 102.

ENG 101 English Composition I

IAI – C1 900

3 Hours

Mandatory Testing: Prerequisite scores on Accuplacer Exam: Reading Comprehension 70 plus Sentence Skills 75 or higher OR combined score of 150 or higher.

OR

ACT score of 20 or higher in English and Reading

OR

SAT: Evidence-based reading and writing ≥ 480

Prerequisites: **OR** ENG 052 (grade of "C" or higher)
3 hours weekly (3-0)

The primary objective of English 101 is to write effective expository prose. ENG 101 emphasizes the use of standard English and appropriate sentence structures in unified, developed, and coherent paragraphs and essays. Writing assignments require various rhetorical modes as students learn the process of writing. The course also includes an introduction to research skills and research writing.

ENG 102 English Composition II

IAI – C1 901R

3 Hours

Prerequisites: ENG 101 or ENG 113 (either with a grade of "C" or higher)

3 hours weekly (3-0)

In this course students further develop skills in writing expository prose. English 102 is a research writing course. Assignments include documented, multi-source writing in one or two papers for a combined total of at least 2,500 words in the final, graded version(s).

ENG 103 Creative Writing

3 Hours

Prerequisites: ENG 101

3 hours weekly (3-0)

In this course, students release as much imagination and craft on paper as possible by means of fictional and non-fictional sketch and exercise essays. The emphasis is on exercise. We will strive with the time and ability at our disposal to do the best work possible.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

ENG 113 Professional Technical Writing

IAI-C1 900R

3 Hours

Prerequisite: None

3 hours weekly (3-0)

Technical writing is a composition course especially for engineering, science, social science, and vocational-technical students. Encompassing many different approaches to solving specific communication problems and emphasizing critical thinking skills, this course covers the written communication required in a job situation in the technical fields.

French (FRE)

FRE 101 Elementary French I

4 Hours

Prerequisites: None

4 hours weekly (4-0)

Emphasis on conversation with vocabulary building, grammar rules, and pronunciation practice. Language laboratory is required.

FRE 102 Elementary French II

4 Hours

Prerequisites: FRE 101 or consent of instructor

4 hours weekly (4-0)

Continuation of FRE 101 with new vocabulary, reading of French prose, oral practice, and writing. The grammatical structures of the language will be studied, expanding to past tenses and the subjunctive. Language laboratory is required.

FRE 201 Intermediate French I

4 Hours

Prerequisites: FRE 102 or consent of instructor

4 hours weekly (4-0)

Review and application of essential principles of French grammar structure and training in idiomatic usage through oral and written exercises; intensive practice of spoken language; reading of French literature with emphasis on French culture and civilization; required language laboratory assignments.

FRE 202 Intermediate French II

IAI – H1 900

4 Hours

Prerequisites: FRE 201 or consent of instructor

4 hours weekly (4-0)

Continuation of FRE 201 with summary of grammatical aspects of the language; refining conversation skills; strong emphasis on enhanced writing skills; and rapid reading of representational French language prose, arts, and cultures. In addition, composition writing and an oral exam will be part of the course. Language laboratory is required.

Geography (GEO)

GEO 112 World Regional Geography

IAI – S4 900N

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introduction to regional geography is an attempt to study and use geographic concepts and structures in relation to specific regions and countries. Focus is on key countries in the seven continents of the world.

German (GER)

GER 101 Elementary German

4 Hours

Prerequisites: None

4 hours weekly (4-0)

Emphasis on grammar, vocabulary, pronunciation, and composition. Language laboratory is required.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

GER 102 Elementary German

4 Hours

Prerequisites: GER 101 or consent of instructor

4 hours weekly (4-0)

Continuation of GER 101 with new vocabulary, reading of German prose, oral practice, and writing. The grammatical structures of the language will be studied, expanding to past tenses and the subjunctive. Language laboratory is required.

GER 201 Intermediate German

4 Hours

Prerequisites: GER 102 or consent of instructor

4 hours weekly (4-0)

Review and application of essential principles of German grammar structure and training in idiomatic usage through oral and written exercises; intensive practice of spoken language; reading of German literature with emphasis on cultural aspects of the German-speaking world, arts, and civilizations. In addition, an oral exam will be part of the course. Language Laboratory is required.

GER 202 Intermediate German

IAI – H1 900

4 Hours

Prerequisites: GER 201 or consent of instructor

4 hours weekly (4-0)

Continuation of GER 201 with summary of grammatical aspects of the language; refining conversational skills; strong emphasis on enhanced writing skills; and rapid reading of representational German language prose, arts, and cultures. In addition, composition writing and an oral exam will be part of the course. Language laboratory is required.

Graphics Design (GRD)

GRD 110 Graphics Design I
5 Hours

Prerequisites: None
8 hours weekly (2-6)

Study of basic design principles related to business and the advertising industry. Individual projects will include problems in typography, logo designs, corporate identity systems, and business forms using traditional tools and computer graphics software. Windows-based computers will be used in conjunction with Adobe Photoshop, In Design, and Illustrator software.

GRD 120 Graphics Design II
5 Hours

Prerequisites: GRD 110 Graphics Design I or consent of instructor
8 hours weekly (2-6)

Study of the fundamentals of advertising design. Students continue with advanced studies of design principles, research and formats, layout, and create advertising and editorial designs for magazines and books. Windows-based computers will be used in conjunction with Photoshop Illustrator, and Adobe Acrobat.

GRD 210 Graphics Design III
5 Hours

Prerequisites: GRD 120 Graphics Design II or consent of instructor
8 hours weekly (2-6)

Study of multimedia and includes focus areas such as presentation, animation, marketing, video/DVD composition, instructional design, print technology, typography, and photographic design. Windows-based computers will be used in conjunction with Photoshop.

GRD 220 Animation
3 Hours

Prerequisites: None
5 hours weekly (1-4)

Study of animation principles related to the movie and TV advertising industry. Individual projects will include composition, time and space, layering, masking, special effects, and lighting. Windows based computers will be used in conjunction with other effects software.

GRD 230 Video Production
3 Hours

Prerequisites: None
5 hours weekly (1-4)

Study of basic skills and terms involved in television production. Projects will include set-up, lighting, gathering audio and recording video for corporate production, news, short-films and commercials. Windows based computers will be used in conjunction with Adobe Premiere and other effects software.

Health (HTH)

HTH 100 Human Nutrition

3 hours

Prerequisite: None

3 hours weekly (3-0)

This course is an introductory course in human nutrition. It will focus on the basic understanding of nutrition and its impact on health. Students will be introduced to the basic nutrients, their uses and functions in the body, and their sources. Nutrition throughout the lifespan will be discussed. Current topics and trends in nutrition will be discussed, including strategies to promote healthy eating choices.

HTH 110 Health Education

2 Hours

Prerequisites: None

2 hours weekly (2-0)

Designed to provide a sound knowledge of health in order to favorably influence the student's attitudes, habits, and practices pertaining to the physical, mental, social, and emotional environments. This is a course in critical decision making for personal health and lifestyle choices.

HTH 120 Human Sexuality

3 Hours

Prerequisites: None

3 hours weekly (3-0)

The course provides a comprehensive introduction to the biological, psychological, social, historical, and cultural aspects of human sexuality. Course design encourages students to better understand their own sexuality, to increase students' awareness of sexuality throughout the life cycle, to describe human sexuality in precise and objective language, to learn to make responsible sexual decisions, to become aware of issues in the area of sexual health, and to enhance students' understanding of sexual intimacy.

HTH 250 Wellness for Women

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Over the last 25 years, there has been a growing interest in the unique health issues of women. The feminine life cycle is a new field of study. The course is intended to provide a comprehensive study of the physical, emotional, spiritual, and social wellness areas for women. Men as well as women can benefit from the information provided in this course.

Health Information Technology (HIT)

HIT 206 Medical Insurance and Billing Procedures

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course provides a study of the claim forms and billing guidelines set forth by major health insurance companies, Medicare, Medicaid, Workman's Compensation and military health funds.

HIT 217 Medical Terminology

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is an introduction to medical terminology which includes word building principles; basic anatomy and physiology; key anatomical and physiological terms; combining forms, suffixes, and prefixes. In addition, students will learn how to listen critically for important terms, respond to others using medical terminology, and generate their own terminology-rich writing and speech.

Heating and Air Conditioning (HAC)

HAC 102 Residential Electrical Wiring

4 Hours

Prerequisites: None

6 hours weekly (2-4)

The students will be introduced to basic residential wiring practices used in modern electrical installations. The course will focus on all aspects of residential wiring installation, parts ID, and circuit analysis. Hands-on knowledge of wiring of switches, 3-way switches, 4-way switches, load centers, lighting and duplex receptacles will be covered. This course will follow all NEC codes and standards for safety and wire sizing.

HAC 105 Basic Sheet Metal Layout

3 Hours

Prerequisites: None

4 hours weekly (2-2)

A basic course for sheet metal pattern layout techniques as used in residential air conditioning and ventilation.

HAC 106 Advanced Sheet Metal Layout

2 Hours

Prerequisites: HAC 105

4 hours weekly (0-4)

An advanced course for sheet metal layout techniques as used in residential and commercial air conditioning and ventilation systems. The triangulation method of sheet metal layout will be emphasized in this course.

HAC 107 Electrical Controls and Circuitry

3 Hours

Prerequisites: ELT 102 or HAC 102

4 hours weekly (2-2)

The student is introduced to air conditioning, heating, and refrigeration controls circuitry as well as solid state electronic controls. Proper troubleshooting techniques as well as safety will be covered.

HAC 121 Heating I

4 Hours

Prerequisites: None

6 hours weekly (2-4)

An introduction to heating, ventilation, and air conditioning systems. Maintenance and repair of gas, oil, and hydronic furnaces will be covered.

HAC 122 Heating II

4 Hours

Prerequisites: HAC 121

6 hours weekly (2-4)

Introduction to air distribution, air cleaning, and calculation of heat loads. Special emphasis will be placed on electric furnace testing and servicing along with heat load calculations.

HAC 131 Refrigeration and Air Conditioning I

4 Hours

Prerequisites: None

6 hours weekly (2-4)

This course covers the fundamentals of refrigeration, refrigeration cycle, and basic refrigeration systems. Compression systems, refrigeration controls, charging, evacuating, and refrigeration tools and materials will be covered.

HAC 132 Refrigeration and Air Conditioning II

4 Hours

Prerequisites: HAC 131

6 hours weekly (2-4)

This course covers the operation and design of window units and split systems. Air conditioning controls and troubleshooting will also be covered. Special emphasis will be placed on psychrometrics, troubleshooting, and system design.

HAC 140 Weatherization

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course covers the process of implementing cost effective energy efficiency measures that increase the comfort and durability of the home.

HAC 142 Commercial Refrigeration

4 Hours

Prerequisites: HAC 131

5 hours weekly (3-2)

This course is designed to introduce the student to the operation and application of commercial refrigeration, evaporators, condensers, compressors, expansion devices, and related system components. Troubleshooting and typical operating conditions will be studied.

HAC 207 Advanced Controls and Circuitry

3 Hours

Prerequisites: HAC 102 & HAC 107

4 hours weekly (2-2)

An introduction to more advanced controls used in the HVAC/R industry for operational, energy management, and diagnostic applications. This course will cover programmable temperature controls/thermostats, Direct Digital Control (DDC) applications, and Energy Management Systems (EMS) as they apply to heating and air conditioning.

HAC 222 Advanced Heating Systems

3 Hours

Prerequisites: HAC 121, HAC 122

4 hours weekly (2-2)

An introduction to more advanced heat pump systems, including dual fuel applications. Emphasis on air-to-air and geothermal heat pumps.

HAC 224 Geothermal Systems

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course covers Geothermal as it is used in the HVAC industry. Basic concepts of geothermal installation, design, maintenance, and troubleshooting will be covered. This class will also cover refrigeration theory, heat transfer, payback, current tax incentives, common problems and pricing geothermal systems.

HAC 240 Installation of HVAC Systems

3 Hours

Prerequisites: HAC 121, HAC 131

5 hours weekly (1-4)

Student will develop advanced skills and knowledge of the installation and start-up of residential heating and air conditioning systems. Focuses on installation code requirements and start-up procedures for residential heating and air conditioning systems. Tools safety and add-on purchases will also be covered.

HAC 279 ICE Testing

2 Hours

Prerequisites: None

2 hours weekly (2-0)

This course is designed to help prepare the student to pass the ICE Exams. The Industry Competency Exams were organized by the ARI (Air Conditioning and Refrigeration Institute) to encourage high standards in education HVAC installation, service, and maintenance.

History (HIS)

HIS 101 Western Civilization I

IAI – H2 901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

History of Europe to 1715. Attention is given to Mesopotamia, Egypt, Greece and Rome, Middle Ages society and church, the growth of urban culture and trade, the rise of kings, European exploration of other parts of the world, and the emergence of nation states. Emphasis is on broad social, intellectual, religious, and political movements that shaped Europe on the verge of the modern era.

HIS 102 Western Civilization II

IAI – H2 902

3 Hours

Prerequisites: None

3 hours weekly (3-0)

History of Europe since 1650. Beginning with the rise of nation states in the seventeenth century, this course traces the intellectual, political, religious, and social trends that formed the modern world. Important elements include the Scientific Revolution, the political transformations beginning with the American and French Revolutions, the rise of industry, imperialism, the world wars, and the direction of Western culture in the Cold War and after.

HIS 103 World Civilizations I

IAI – S2 912N

3 Hours

Prerequisites: None

3 hours weekly (3-0)

History of world cultures, including those of Africa, Asia, Europe, and the Americas, from prehistory to the Age of Exploration. The course will deal with the emergence of cultures, economic and political developments, and especially the relations between different cultures as they expanded into contact with each other.

HIS 104 World Civilizations II

IAI – S2 913N

3 Hours

Prerequisites: None

3 hours weekly (3-0)

History of world cultures, including those of Africa, Asia, Europe, and the Americas, from the Age of Exploration to the present. The course will deal with all aspects of culture, economic and political development, and the increasing interrelatedness of cultures.

HIS 201 United States History I

IAI – S2 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

The origins of American culture from exploration through settlement and the founding of the United States. Emphasis is given to social, religious, economic, and political factors that shaped and continue to shape American civilization. Colonization, development of American identity, rebellion against Great Britain, the writing of the Constitution, and the evolving cultures of North and South are addressed. The course culminates in the sectional crisis, the Civil War, and Reconstruction.

HIS 202 United States History II

IAI – S2 901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

United States History from Reconstruction to the present. Emphasis is placed on the importance of industrialization and the rise of business in transforming both North and South, and the significance of responses of workers, farmers, religious figures, and others to the social and economic transformation of America. The Progressive Movement, New Deal, New Frontier, Great Society, and other domestic issues are presented, along with the role of the United States in the world wars and the Cold War, and the post-Cold War role of the United States as superpower.

HIS 213 Eastern Civilizations

IAI – H2 903N

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A survey of the history of China and Japan from prehistory to the present. Special attention is given to the ways these non-Western societies organized and governed themselves, and to the art and literature of East Asia. Further emphasis is given to Asian religious outlooks (Confucian, Taoist, Buddhist, and Shinto) that underlie modern Asian values. The interaction of East Asia with Europe and the United States in the last two centuries is also considered.

HIS 223 The African-American Experience

IAI – S2 923D

3 Hours

Prerequisites: None

3 hours weekly (3-0)

History of African-American culture from African origins to the present. This course deals with social, economic, literary, religious, and ideological factors as they relate to African origins, the transatlantic slave trade, the cultures formed within slavery in the Americas, the impact of the American Revolution, the antislavery movement, Civil War, and Reconstruction, the Jim Crow era of segregation, and twentieth century moves toward civil rights.

Hospitality (HSP)

HSP 100 Intro to the Hospitality Industry

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Orientation to the hospitality industry, its history and magnitude, organization, challenges, and opportunities. Highlights interdependent nature of the public hospitality industry.

HSP 110 Sanitation

1 Hour

Prerequisites: None

1 hour weekly (1-0)

Sanitation course provides training in sanitary methods of food handling in the hospitality industry. Prepares students for Illinois Department of Public Health manager certification.

HSP 111 Front Office Operations

3 Hours

Prerequisites: None

3 hours weekly (2-2)

Learners enrolled in this course will about supervisory and management roles in the front office of a hotel or resort. Front desk operations, reservations, sales, information management and uniform services will also be covered during the course. Learners will work in simulations, use computer systems, go through role playing scenarios, and complete job shadowing at a hotel/resort.

HSP 112 Hospitality Facilities Management

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Introduction to the environments and functions in the housekeeping, maintenance, and engineering departments of today's hospitality environment.

HSP 121 Supervision in Hospitality

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Principles of effective human relations required by hospitality industry supervisory personnel. Practical skills for effective supervision including decision making, leadership roles, motivating personnel, recruiting and training employees, conflict resolution, delegation and effective communications.

HSP 140 Service Management in Hospitality

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Applies the services concept to a total management improvement system in the hospitality industry. Analysis includes ethics, practices, and case studies of leading hotel companies.

HSP 151 Restaurant Service & Sales

2 Hours

Prerequisites: None

4 hours weekly (0-4)

Principles and techniques necessary in a dining room to perform proper food and beverage service, reflecting the variety of operations in the restaurant industry including responsible service of alcohol. Laboratory activities will provide students an opportunity to develop skills in proper cash handling, training with a point-of-sale system, and service styles to include Russian, American, tapas and banquet service. The student will also learn principles of dining room management and will receive BASSET certification upon completion of the class.

HSP 213 Hospitality Industry Accounting

3 Hours

Prerequisites: Recommended ACC 100 or ACC 200

3 hours weekly (3-0)

Application of basic accounting principles to hospitality industry establishments. Systems of daily reporting and the preparation of periodic accounting statements will be covered.

HSP 223 Law for the Hospitality Industry

2 Hours

Prerequisites: None

2 hours weekly (2-0)

Introduction to the legal principles that affect the hospitality industry. Special emphasis is placed on the rights and responsibilities of a manager in a hospitality enterprise.

HSP 253 Meeting & Event Management I

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Meeting and special event planning including exhibits, trade shows, and conventions. Emphasis is on techniques of conference service, related food and beverage services, and sales management.

HSP 280 Hospitality Marketing Management

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Successful marketing principles employed in the hospitality industry. Demand variables, distribution channels, communications, promotions, research, packaging, collateral materials, pricing strategies, the marketing plan, and enhancing internal sales may be covered.

HSP 285 Advanced Hospitality Operations

3 Hours

Prerequisites: HSP 111 or equivalent or consent of instructor

3 hours weekly (3-0)

Study of the integration of hotel industry departments such as hotel operations, marketing, technology, human resource management, accounting, and purchasing. Special emphasis is placed on decision-making and problem-solving models used in the hospitality industry. Current issues in the hospitality industry will also be discussed.

Independent Study (IDS)

IDS 199 Independent Study

1-4 Hours

This course provides students with an opportunity to pursue supervised study on an independent basis for academic work in subject areas offered by John A. Logan College. Each proposal for independent study must be submitted in written form through the appropriate department chairperson for approval by the Vice-President for Instruction. Each approved independent study project must be supervised by a faculty member. Students must submit proposals prior to the first week of classes. Forms are available from the Office of the Vice-President for Instruction.

Industrial Maintenance (IDM)

IDM 120 Safety and Environmental Management

2 Hours

Prerequisites: None

2 hours weekly (2-0)

This course is designed to provide the student with an understanding of proper safety precautions involved in using various shop equipment and solutions. Also, proper material handling, storage, and disposal of hazardous materials are discussed.

IDM 207 Building Mechanics and Maintenance

4 Hours

Prerequisites: None

6 hours weekly (2-4)

This course is designed to introduce the student to construction processes, procedures and techniques as they may apply to agricultural mechanics and or facility management. A major emphasis of this course will be applied applications of proper tool usage and procedures for basic carpentry, concrete/masonry, plumbing, electrical, welding and small engines.

IDM 210 Hydraulics and Pneumatics

3 Hours

Prerequisites: None

4 hours weekly (2-2)

A study of basic industrial fluid power systems common to automated industrial equipment, including hydraulic and pneumatic.

Industrial Processes (IND)

IND 121 Manufacturing Processes I

2 Hours

Prerequisites: None

4 hours weekly (0-4)

This course is an introductory study of conventional machining processes. The student will become familiar with machine shop safety, hand tools, precision measurement, identification of materials, machinability, layout, metal cutting, drilling, turning, milling, and grinding machines. The students will also be introduced to computer numerical control (CNC) programming and machine processes.

IND 122 CAD/CAM Operations

2 Hours

Prerequisites: IND 121 or DRT 185

4 hours weekly (0-4)

This course is designed to provide advanced machining experience in the use of CAD/CAM machining processes. The students will develop the drawing, part program, text files, and document files using Auto-CAD and EZ-CAM software. The students will use their programs to produce various component parts as assigned. Various applications of 2D and 3D machining techniques will be emphasized as they apply to CNC machining operations.

IND 138 Industrial Seminar

1 Hour

Prerequisites: None

1 hour weekly (1-0) or block schedule

An orientation to the jobs available in the field. The class sessions include lectures by the instructor and representatives in related fields as well as class discussion, projects, and individual research.

Interdisciplinary (Special) Topics (ITD)

ITD 152 Death and Dying

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course presents an interdisciplinary analysis of death and dying. Topics to be covered include definitions of death; cultural, social, and psychological aspects of these topics; children and death; dying patients and their survivors; euthanasia; suicide; the right to die; and other related matters. The course is accepted as a College-wide elective.

ITD 200 A to H Special Topics in Social Science

1 to 3 Hours

Prerequisites: Consent of instructor

1 to 3 hours weekly

This course provides a study of special topics and problems in social science through an interdisciplinary approach. Study may be through lecture, readings, discussions, guided research, travel, and field trips. Topics may vary from semester to semester and must be approved by the social science chairperson.

ITD 200

A	Anthropology
B	Geography
C	History
D	Political Science
E	Education
F	Sociology
G	Travel/Study
H	Psychology

ITD 201 Special Topics in Humanities

1-3 Hours

Prerequisites: Consent of instructor

1-3 hours weekly ((1-3)-0)

This course provides a study of special topics and/or problems in humanities through reading, discussions, guided research, and field trips. Topics vary from semester to semester and must be approved by the humanities chairperson. On-site visitations and travel will be included.

ITD 204 Special Topics in Health & Public Service

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to explore the life and culture of other countries. Through an interdisciplinary approach, the history, cultural, and social aspects of other countries will be studied. On-site visitations and travel will be included.

ITD 206 Special Topics: Model Illinois Government

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course provides a study of special topics and problems through an interdisciplinary approach. Students prepare for and participate in the Model Illinois Government simulation located in Springfield, Illinois.

Internship (INT)

INT 101 Internship

1-4 hours

Hours weekly (variable)

This internship course provides students with an opportunity to combine professional experience with academic credit as it relates to their education and career goals. Students will learn about, observe, and work in areas that expand on their academic courses in a particular discipline. The internship will be planned and monitored so a student obtains specific learning objectives. Seventy-five (75) hours are required for one credit. This course is variable credit and repeatable to a maximum of four semester hours that may apply to a degree or certificate.

Interpreter Preparation (IPP)

IPP 144 ASL Classifiers

3 Hours

Prerequisites: IPP 141

3 hours weekly (3-0)

This course will provide the opportunity for students to enhance their use of classifiers. Classifiers, not used in the English language, are one of the most difficult parts of the American Sign Language for students to learn. Content will be explored using games and activities and a CD text.

IPP 151 Deaf Studies/Culture

3 Hours

Prerequisites: IPP 111, 141

3 hours weekly (3-0)

This course is designed to provide students with awareness and in-depth information on the history of the deaf world/deaf community with its embedded cultural traditions from a sociological and humanistic viewpoint on deafness.

IPP 201 Introduction to Interpreting

4 Hours

Prerequisites: IPP 111, 141 with a grade of "C" or higher

5 hours weekly (3-2)

This course is designed to introduce students to the basic concepts and vocabulary in the field of interpreting. We will focus on the psychological impact of having interpreters involved in the communication event. Students will participate in a cultural role play to begin to understand the feelings of people on every side of the communication. Students will also be exposed to working interpreters through structured observations.

IPP 211 ASL Linguistics I

3 Hours

Prerequisites: IPP 142

3 hours weekly (3-0)

This course will introduce students to the basic linguistic principles behind ASL in an effort to continue their development of sign language skills. The students will develop knowledge of the structure of the language to complement their proficiency in language use. The phonological rules of ASL and English will also be studied. A grade of "C" or higher in IPP 141 and 142 must be achieved to advance to second-year classes.

IPP 212 ASL Linguistics II

3 Hours

Prerequisites: IPP 211

3 hours weekly (3-0)

A continuation of the first semester course in ASL Linguistics, this course is also designed to reinforce the students' acquisition of language skills in ASL by providing the knowledge competency component. This course focuses on the morphology, syntax and use of ASL. A grade of "C" or higher in IPP 141 and 142 must be achieved to advance to the second-year classes.

IPP 222 Interpreting ASL to English

4 Hours

Prerequisites: IPP 201

6 hours weekly (2-4)

This course explores the theory and skills necessary to interpret from an American Sign Language text to appropriate spoken English.

This course will explore the concepts of register, processing time, and the interpretation process. Course materials will be sequenced from paraphrasing, translation, consecutive interpretation, and simultaneous interpretation. Emphasis will be placed on message equivalence and appropriate vocabulary choices. A grade of "C" or higher in IPP 141 and 142 must be achieved to advance to second-year classes.

IPP 223 Introduction to Transliterating

3 Hours

Prerequisites: IPP 143, 211, 231

6 hours weekly (2-4)

This course explores the theory and skills necessary to transliterate and shows in which contexts transliteration is used. In class, students will practice transliterating in conceptually accurate ASL signs and principles executed in English word order. Course materials will be sequenced from preschool to adult-level material and from non-technical to technical use of vocabulary. Emphasis will be placed on speed, conceptual accuracy, fingerspelling, and appropriate vocabulary. A grade of "C" or higher in IPP 141 and 142 must be achieved to advance to second-year classes.

IPP 231 Interpreting I

4 Hours

Prerequisites: IPP 141, 142, 201

6 hours weekly (2-4)

This course focuses on the acquisition of the interpreting process. Students develop processing skills by paraphrasing, translating, consecutive interpreting, and finally simultaneously interpreting spoken and signed messages. Ethical decision making will be reinforced. Diagnostic observation of working interpreters will also be a focus of this course. A grade of "C" or higher in IPP 141 and 142 must be achieved to advance to second-year classes.

IPP 240 – Fingerspelling and Numbers

3 Hours

Prerequisites: IPP 142

3 hours weekly (3-0)

Interpreters must understand and be able to produce fingerspelled words and numbers. This course is intended to give students the tools and vocabulary needed to improve their reading and production of fingerspelling and numbers used discreetly or in monologues or dialogues.

IPP 249 Field Experience I

3 Hours

Prerequisites: IPP 201, ASL 142-Minimum Grade of "C"

7 hours weekly (2-5)

This practicum will expose students to business practices in the field of interpreting, such as taxes, invoicing and insurance. This course will also provide interpreting experiences, continued observation of working interpreters, exploration of the RID Code of Professional Conduct, and continued interaction with deaf and hard-of-hearing people. The students will participate in a two-hour seminar session per week and five hours of practicum per week.

IPP 250 Field Experience II

3 Hours

Prerequisites: IPP 249

11 hours weekly (1-10)

This practicum will expose students to interpreting experiences, continued observation

of working interpreters, and continued interaction with deaf and hard-of-hearing people. The students will meet with the instructor one hour per week to submit invoiced work hours and discuss any concerns or challenges experienced in the field. Students will also complete ten hours of practicum per week (160 hours).

IPP 251 Interpreting II

4 Hours

Prerequisites: IPP 231

6 hours weekly (2-4)

This course is a continuation of Interpreting I. The students will simultaneously interpret various spoken and signed texts and participate in role plays related to settings in which interpreters work. Vocabulary development will also be an emphasis and discussions of the application of ethical principles to various situations. A grade of "C" or higher in IPP 141 and 142 must be achieved to advance to second-year classes.

IPP 278 ASL Vocabulary Building I

3 Hours

Prerequisites: IPP 142 with a grade of "C" or higher. Students in the Educational Interpreting Professional Program are working interpreters and qualify for admission to this course.

3 hours weekly (3-0)

This course is intended to supplement American Sign Language vocabulary development. Vocabulary is presented through weekly, themed activities using individual assignments and group discussions. Emphasis is placed on developing a conceptual understanding and application of concepts rather than a word-for-sign exchange.

IPP 279 ASL Vocabulary Building II

3 Hours

Prerequisites: IPP 278 with a grade of "C" or higher.

3 hours weekly (3-0)

This course is intended to supplement an American Sign Language class and provide additional language development. The structure includes individual lessons with targeted vocabulary presented via short video clips. Each lesson has an online quiz testing receptive knowledge of the previously presented ASL signs.

Literature (LIT)

LIT 210 British Literature

IAI H3 912

3 Hours

Prerequisite: ENG 101

3 hours weekly (3-0)

This is a survey and analysis of masterpieces of English literature from Beowulf to the present.

LIT 230 American Literature

IAI-H3 914

3 Hours

Prerequisite: None

3 hours weekly (3-0)

This course surveys the literature of the United States from its beginning to the present. Critical analysis will focus on the shaping of various American identities during early American history and how those identities have evolved within contemporary American life. Readings may include poetry, drama, essays, fiction, and literary criticism. All readings will be processed through writing assignments that emphasize critical thinking, creativity, and exposure to various rhetorical forms.

LIT 264 Literature for Children

IAI – H3 918

3 Hours

Prerequisites: ENG 101 or better with a grade of "C" or higher.

3 hours weekly (3-0)

This course introduces students to the best that has been written for children or is appropriate for them. The coursework includes a study of the history of children's literature, child development and literature, types of children's literature, and methods of sharing literature with children. Classroom work will focus on the literary and artistic elements of the works. Students will learn to evaluate and select age-appropriate literature and extension activities for children from pre-school through middle school.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

LIT 275 The Art of the Cinema

IAI – F2 909

3 Hours

Prerequisites: ENG 101

3 hours weekly (3-0)

This survey course is a study of the art of motion pictures and will include not only a literary and historical approach to the motion picture industry, but also a study of the techniques of motion picture production. An essential part of the course is the requirement to understand cinematic and literary terms and their applications. The student is also expected to develop a concept of what constitutes excellence in film production.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

LIT 280 Introduction to Literature

IAI – H3 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course offers an introduction to fiction, poetry, and drama from a variety of time periods and cultural backgrounds. Students

learn to interpret and critically analyze literature.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

LIT 281 Introduction to Mythology

IAI – H9 901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Introduction to Mythology introduces students to the major mythological stories of various world cultures, particularly those of ancient Greece and Rome, with emphasis on the roles of the gods and of the major characters. The stories are analyzed for their recurring themes, their relationship to modern literature, and their influence on the culture of the Western world.

LIT 284 Ethnic Literature in America

IAI – H3 910D

3 Hours

Prerequisites: ENG 101

3 hours weekly (3-0)

This course is an introduction to contemporary ethnic literature with the primary focus on important Asian-American, African-American, Native American, and Latino writers. Students will explore critical socio-economic, political, and cultural themes with an emphasis on these concepts: the similarities and differences within and among ethnic groups, the changing demographics of America, the dynamic nature of ethnicity, and the effects of stereotyping.

LIT 295 Women in Literature

IAI – H3 911D

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course introduces students to literary masterpieces written by female writers. By juxtaposing traditional and non-traditional roles for
women, students discover how stereotypical images may be transcended. Students will read short fiction, poetry, and drama by a wide variety of writers to develop an understanding of the diversity within each of the literary genres and the multi-dimensional nature of women's selfhood through the ages.

Machine Tools (MAC)

MAC 150 Machine Tool Operations

2 Hours

Prerequisites: Concurrent enrollment in MAC 151, 152, 153

2 hours weekly (2-0)

This course is an introductory study of shop safety, measurement and layout techniques, drills and tapping procedures, materials and fasteners, hand tools, lathes, milling operations, beginning manual CNC part programming operations, and supportive equipment used in the machine tool industry.

MAC 151 Machine Tool laboratory

2 Hours

Prerequisites: MAC 150, IND 121, or consent of instructor

4 hours weekly (0-4)

This course provides laboratory experiences involved in basic drilling operations, machines, holding devices, taps, tapping, reaming, countersinking, counterboring, boring operations, mechanical hardware, and fastening devices as used by the machinist.

MAC 152 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 150, IND 121, or consent of instructor

4 hours weekly (0-4)

This course is designed to provide laboratory experiences emphasizing conventional turning processes. Turning operations using tapering, external and internal threading, four-jaw chucking procedures, indicating, radius turning, and turning between centers will be emphasized.

MAC 153 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 150, IND 121, or consent of instructor

4 hours weekly (0-4)

This course is designed to provide laboratory experiences using conventional vertical and horizontal milling techniques. The student will complete assignments with emphasis on milling set-ups, feeds and speeds, holding jigs and fixtures, flycutting, end milling, and indicating and alignment procedures necessary to develop skills in milling. Introductory CNC milling concepts will also be emphasized.

MAC 154 Introduction to CNC

2 Hours

Prerequisites: None

2 hours weekly (2-0)

An introductory course in the study of numerical control (NC) and computer numerical control (CNC) machine processes. Emphasis will be placed on NC fundamentals, punched tape controls, computer-controlled operations, basic machine codes, and manual part programming.

MAC 155 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 152, 153

4 hours weekly (0-4)

This course is a continuation of the study of precision measuring techniques with emphasis on the use of the surface plate, height gage, sine bar, gage blocks, layout procedures, and thread measurement. Advanced conventional and CNC turning and milling assignments will be used to apply these measuring skills.

MAC 156 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 152, 153

4 hours weekly (0-4)

A continuation study of the turning and milling machines with emphasis on conventional and CNC procedures. Assignments will be used that emphasize the cutting of threads, chucking procedures, holding devices, cutting speeds and feeds, horsepower requirements, offset boring, recessing, grooving, and tapering procedures.

MAC 157 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 156

4 hours weekly (0-4)

A continuation study of the turning and milling machines with emphasis on conventional and CNC procedures. Advanced chucking procedures, mandrel turning, indexing operations, offset boring, angular milling, and CNC machine techniques will be emphasized.

MAC 158 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 153, 154, 156

4 hours weekly (0-4)

A continuation study of the turning and milling machines with emphasis on conventional and CNC procedures. Emphasis will be placed on the CNC part program.

MAC 159 CAM Operations

2 Hours

Prerequisites: None

2 hours weekly (2-0)

A continuation of the study of CNC programming with emphasis on advanced milling and turning machine techniques, program set-up, carbide tooling, program editing, ISO/EIA program input, and introductory 3D machining techniques. Students will develop programs through the EZ-CAM 3D software and the EZ-TURN software. CNC machine applications will be applied in the development of projects through laboratory experiences.

MAC 160 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 157

4 hours weekly (0-4)

An advanced study of CNC lathe and milling processes with an emphasis on additional thread form turning, turning eccentrics, precision boring, ring grooving, and form tool cutting procedures.

MAC 161 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 156, 157

4 hours weekly (0-4)

An advanced study of CNC lathe and milling processes with emphasis on the use of the follow rest, steady rest, faceplate turning, carbide tooling, advanced threading, metric threading, and advanced four-jaw indicating procedures.

MAC 162 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 159, 160, 161

4 hours weekly (0-4)

An advanced study of CNC milling and lathe operations with emphasis on the use of the rotary table, sine plate, circular slot cutting, "T" slots, dovetail slots, form tool cuts, keyways, keyseats, and indicating procedures.

MAC 163 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 159, 160, 161

4 hours weekly (0-4)

A study of advanced CNC milling and lathe operations with emphasis on the use of indexing head procedures, direct, simple, and angular indexing, milling grooves, slots, locating of holes, precision gear cutting, and computer-aided machining applications.

MAC 164 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 159, 160, 161

4 hours weekly (0-4)

An advanced study of computer numerical control with emphasis placed on the development of part programs using CAM computer programming and wire EDM programming applications. The computer set-up procedures, tool cycle data, geometry, tool path, verification, plotting, editing, up-loading, and down-loading programs will be emphasized.

MAC 180 Blueprint Reading

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed for technical students, apprentices in the machine trades, and other personnel who must develop the basic skills required for visualizing and interpreting industrial prints in their jobs. Emphasis will be placed on industrial practice, types of drawings, geometric dimensioning, and the impact of computer drafting as related to the machine trades.

MAC 200 Machine Tool Laboratory

4 Hours

Prerequisites: None

8 hours weekly (0-8)

This course is designed to provide laboratory experiences in machine tool processes and procedures, and skills necessary for the industrial maintenance students. Emphasis will be placed on precision measuring, drilling processes, turning, milling, grinding, and beginning CNC processes as well as other maintenance and repair procedures.

Management (MGT)

MGT 112 Principles of Management
3 Hours

Prerequisites: None
3 hours weekly (3-0)

This course is designed to introduce the concepts, terminology, principles, practices, and techniques of management. Emphasis is placed on managing in a diverse, global, technologically driven, fast-changing economic environment. The four basic management functions of planning, organizing, leading and controlling will be explored in the course.

MGT 228 Small Business Management
3 Hours

Prerequisites: BUS 110
3 hours weekly (3-0)

Attention is focused upon the proper procedures for developing and operating a profitable small business, both Internet and brick and mortar. Students will be introduced to the types of decisions faced by entrepreneurs and managers in on-going firms, and the application of professional business disciplines.

Manufacturing Technology (MFT)

MFT 101 Production Technology

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course introduces the student to production technologies. It will include the study of computers, CAD, CAM, industrial robots, PLCs, CNC applications, materials handling, inspection by vision, production, planning, scheduling, purchasing, inventory management, and other processes that insure optimum productivity. The student will gain an understanding of how these entities must be integrated for the total production system.

MFT 103 Industrial Robots and PLCs

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course introduces the student to industrial robots. Included is the operation of PLCs. The student will learn ladder diagram programming of PLCs and point-to-point programming for industrial robots. The student will also write programs to integrate various equipment using the PLCs.

MFT 110 Statistical Process Control

2 Hours

Prerequisites: None

2 hours weekly (2-0)

This course is designed to give students an understanding of quality and the use of statistical process control. Topics covered in this class include: quality, bar charts, Pareto diagrams, histograms, X-R charts, I-R charts, P charts, and process capability.

MFT 201 PLC Manufacturing Systems

3 Hours

Prerequisites: MFT 103 and ELT 100 or 102 or consent of instructor

4 hours weekly (2-2)

This course gives the student hands-on experience with PLC systems. Included are certain technical and internal integration technologies utilizing automated manufacturing systems to demonstrate how CIM works in application. Supporting equipment will also be used.

Marketing (MKT)

MKT 113 Principles of Marketing

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introductory course designed to expose the student to today's marketing in the new millennium and keeping up with change. This course contains the study of the contemporary marketing environment; managing technology to achieve marketing success; marketing planning, information, and segmentation; customer behavior; product strategy; distribution strategy; promotional strategy; and pricing strategy.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

MKT 130 Sales

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A course in the theory and application of professional salesmanship. Modern techniques for making a sale are taught including prospecting, preapproach, approach, presentation, handling objections, proper closings, follow-up and customer service. Also involved is a study of building partnerships, ethics, global and cultural diversity and technology.

MKT 224 Advertising

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An analysis of the principles and practices used in the various types of modern day advertising. Principles of advertising, involving an application of planning, financing, and managing a campaign. Emphasis is placed on the effectiveness of advertising in the total marketing structure.

MKT 290 International Marketing

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Summarizes the significance and benefits of international marketing to the U. S. The student will be able to state the importance of cultural, legal, economic and environmental factors in marketing. Identifies marketing mix options for specific world markets. Evaluates the effect of tariffs, quotas, subsidies, nationalization, and state-owned corporations on growth of world trade. Analyzes foreign markets through secondary research (Internet). Organizes and administers global marketing activities. Develops a portfolio for marketing a product in a foreign market.

Mathematics (MAT)

MAT 051 Pre-Algebra

4 Hours

Prerequisites: None

4 hours weekly (4-0)

MAT 051 is designed as a review of the basic operations of arithmetic and an introduction to algebra. The student must earn a grade of "C" or higher in order to enroll in MAT 052. In addition, the student will need to enroll in MAT 052, MAT 061, and MAT 062 before progressing to transfer-level mathematics courses. This course will cover the integers, fractions and decimals; ratio, proportion and percent; prime numbers, factoring; exponents; and solving equations.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

MAT 052 Basic Algebra

4 Hours

Prerequisites: MAT 051 or equivalent with a grade of "C" or higher or assessment

4 hours weekly (4-0)

MAT 052 is designed for students with less than one year of high school algebra. The student must earn a "C" or higher in order to enroll in MAT 062. In addition, the student will need to successfully complete MAT 061 (or equivalent) and MAT 062 before progressing to transfer-level mathematics courses. This course covers the properties of real numbers; solving equations and inequalities in one variable; operations with polynomials in one variable as well as an introduction to polynomials in several variables; factoring polynomials leading to solving quadratic equations by factoring; operations with rational expressions and solving rational equations; graphing linear equations in two variables, slope, and writing equations of lines; solving systems of linear equations; and radical notation, including solving radical equations.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

MAT 056 Mathematical Literacy

5 Hours

Prerequisite: MAT 051 or Placement
Minimum Grade: C

5 hours weekly (5-0)

MAT 056 is designed for students with less than one year of high school algebra who need to take Introduction to Contemporary Mathematics or Elementary Statistics. This course integrates elements of basic algebra and problem solving skills. The focus will be on developing conceptual understanding and cultivating problem solving competence at the Intermediate Algebra level. While algebraic procedures will not be emphasized, some procedural skills will be necessary. Along with basic algebra skills, the course will include problem solving skills, critical thinking, and data analysis. For students who need College Algebra or Pre-Calculus, MAT 061 and MAT 062 will also be required.

MAT 058 Supportive Skills for Contemporary Mathematics

2 Hours

Prerequisite: MAT 051 with a grade of "C" or higher or assessment and concurrent enrollment in MAT 112

2 hours weekly (2-0)

MAT 058 is a course designed to support students who are not yet ready for MAT 113.

This course provides the integrated review for the concurrent MAT 112 transfer course, focusing on supportive skills in three or four of the following topics that will be studied in depth in MAT 112: counting techniques and probability, game theory, geometry (additional topics beyond the prerequisite), graph theory, linear programming (including functions and graphs), sets and logic, mathematical modeling, the mathematics of finance, and statistics. Concurrent enrollment in MAT 112 is required.

MAT 059 Supportive Skills for Statistics

2 Hours

Prerequisite: MAT 051 with a grade of "C" or higher or assessment and concurrent enrollment in MAT 119

2 hours weekly (2-0)

MAT 059 is a course designed to support students who are not yet ready for Mat 120. This course provides the integrated review for the concurrent MAT 119 transfer course, focusing on supportive skills in the basic properties of descriptive and inferential statistics, basic probability theory, probability distributions, graphing, measures of location and variation, linear regression and correlation. Concurrent enrollment in MAT 119 is required.

MAT 061 Basic Euclidean Geometry

3 Hours

Prerequisites: MAT 052 with a grade of "C" or higher or assessment

3 hours weekly (3-0)

MAT 061 is designed for students who did not successfully complete at least one year of Euclidean geometry at the secondary level and therefore must fill this deficiency prior to completing the mathematics requirement for their degree from John A. Logan College. In order to help students think deductively, this course will emphasize logical reasoning, using geometric concepts and relationships as the vehicle to meet this goal. Topics include reasoning, basic logic theory, definitions, axioms, proofs, constructions, line and angle relationships, parallel lines, triangle congruency, and similarity theorems, quadrilaterals, circles, and area of polygons and circles. The ultimate purpose of this course is to help students learn to apply the principles of geometry, as well as enable them to develop logical and deductive thinking.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

MAT 062 Intermediate Algebra

5 Hours

Prerequisites: MAT 052 or MAT 056 with a grade of "C" or higher or assessment

5 hours weekly (5-0)

MAT 062 is designed for students with less than two years of high school algebra. Students must earn a grade of "C" or higher in order to progress to transfer-level mathematics courses. This course will cover linear equations and inequalities; graphs of equations—both linear and nonlinear equations; functions and graphs; slope and equation of lines; systems of equations; operations with and factoring of polynomials; operations with rational expressions and solving rational equations; operations with radical expressions and solving radical equations; rational exponents; complex numbers; quadratic equations and graphs; exponential and logarithmic functions.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

MAT 088 Supplemental Study: College Algebra

1 Hour

Prerequisites: Concurrent enrollment in MAT 108

1 hour weekly (1-0)

MAT 088 is a supplemental study course designed to be taken concurrently with MAT 108. The focus will be on supplementing the existing MAT 108 class with in-class exercises, demonstrations, applications, and small group activities.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

MAT 089 Supplemental Study: Trigonometry

2 Hours

Prerequisites: Concurrent enrollment in MAT 109

2 hours weekly (2-0)

MAT 089 is a supplemental study course designed to be taken concurrently with MAT 109. The focus will be on supplementing the existing MAT 109 class with in-class exercises, demonstrations, applications, and small group activities.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

MAT 100 Mathematics for Applied Technologies

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is a basic mathematics course for the vocational-technical student. It is not designed for college transfer. This course reviews and improves the practical and mathematical skills necessary for everyday calculations in a wide variety of trade, technical and other occupational areas, including automotive, electrical, construction, plumbing, HVAC and many more. This course begins with very basic mathematics and progresses through a minimal introduction to geometry and triangle trigonometry while stressing a wide variety of real problems and situations to improve on-the-job mathematical skills.

MAT 104 Mathematics for Allied Health

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to prepare prospective Allied Health students in the areas of mathematics in which they must be proficient in order to accurately perform their duties as licensed Health Care professionals. Topics covered include the four basic arithmetic operations as applied to positive integers, fractions, mixed numbers, and decimals as well as metric measurements. Conversions among fractions, decimals, percents, ratios, and mixed numbers are also included. The majority of the course is devoted to real problems from pharmacology.

MAT 108 College Algebra

4 Hours

Prerequisites: MAT 061 and MAT 062 both with a grade of "C" or higher or assessment

4 hours weekly (4-0)

MAT 108 is a general education mathematics course; however, it cannot be taken as the only mathematics course for the A. A. degree. College Algebra covers functions, graphs, and transformations. This included an in-depth study of polynomial and rational functions and

exponential and logarithmic functions. Systems of equations and inequalities and matrices are also covered.

MAT 109 College Trigonometry

3 Hours

Prerequisites: MAT 108 with a grade of "C" or higher or assessment

3 hours weekly (3-0)

MAT 109 in conjunction with MAT 108 will fulfill the prerequisites for MAT 131, Calculus I. This course covers trigonometric functions and inverse trigonometric functions; solutions of right triangles and oblique triangles; trigonometric identities; trigonometric equations; and vectors.

MAT 111 Precalculus

5 Hours

Prerequisites: MAT 061 and MAT 062 both with a grade of "C" or higher or assessment

5 hours weekly (5-0)

Precalculus is an accelerated, combined course including College Algebra (MAT 108) and Trigonometry (MAT 109). The algebra portion of the course covers functions, graphs, and transformations. This includes an in-depth study of polynomial and rational functions and exponential and logarithmic functions. The trigonometry portion of the course covers trigonometric functions and inverse trigonometric functions; solutions of right triangles and oblique triangles; trigonometric identities; trigonometric equations; and vectors.

MAT 112 Introduction to Contemporary Mathematics with Integrated Review

IAI – M1 904

3 Hours

Prerequisite: MAT 051 with a grade of "C" or higher or assessment and concurrent enrollment in MAT 058

3 hours weekly (3-0)

MAT 112 is a co-requisite model of a general education mathematics course which fulfills 3 hours of the core curriculum's mathematics requirement. Designed particularly for the non-science major, the course focuses on mathematical reasoning and solving of real-life problems, rather than on routine skills. Three or four of the following topics will be studied in depth: counting techniques and probability, game theory, geometry (additional topics beyond the prerequisite), graph theory, linear programming (including functions and graphs), sets and logic, mathematical modeling, the mathematics of finance, and statistics. Concurrent enrollment in MAT 058 Supportive Skills for Contemporary Mathematics is required.

MAT 113 Introduction to Contemporary Mathematics

IAI – M1 904

3 Hours

Prerequisites: MAT 056 OR MAT 062 with a grade of "C" or higher or assessment

3 hours weekly (3-0)

MAT 113 is a general education mathematics course which fulfills 3 hours of the core curriculum's mathematics requirement. Designed particularly for the non-science major, the course focuses on mathematical reasoning and solving of real-life problems, rather than on

routine skills. Three or four of the following topics will be studied in depth: counting techniques and probability, game theory, geometry (additional topics beyond the prerequisite), graph theory, linear programming (including functions and graphs), sets and logic, mathematical modeling, the mathematics of finance, and statistics.

MAT 116 Finite Mathematics for Business and Management

IAI – M1 906

3 Hours

Prerequisites: MAT 108 with a grade of "C" or higher or assessment

3 hours weekly (3-0)

While MAT 116 may be used to fulfill part of the 6 hours general education mathematics requirement for the A. S. degree at John A. Logan College, it is designed primarily for economics, business administration and accounting majors. Those students will be required to take a calculus course to complete their mathematics sequence. MAT 116 will fulfill the mathematics requirement for the A. A. degree. Topics covered include functions and lines, linear systems, linear programming, the Simplex Method, mathematics of finance, set theory, and probability. MAT 116 is not designed for mathematics or science majors.

MAT 117 Calculus for Business and Social Sciences

IAI – M1 900-B

4 Hours

Prerequisites: MAT 108 with a grade of "C" or higher or assessment

4 hours weekly (4-0)

MAT 117 is designed especially for business administration and accounting majors. MAT 117 does not count toward a major or minor in science-related areas. Students who successfully complete this course fulfill the general education mathematics requirement at John A. Logan College. MAT 117 may be taken before or after MAT 116; however, it is recommended that it be taken immediately after College Algebra (MAT 108). Topics covered include graph sketching and recognition, and differentiation and integration of polynomial, rational, exponential, and logarithmic functions. Applications from the worlds of business and social science are emphasized.

MAT 119 Elementary Statistics with Integrated Review

IAI – M1 902

3 Hours

Prerequisite: MAT 051 with a grade of "C" or higher or assessment and concurrent enrollment in MAT 059

3 hours weekly (3-0)

MAT 119 is a co-requisite model of a general education mathematics course which fulfills 3 hours of the core curriculum mathematics requirement. The course introduces the basic properties of descriptive and inferential statistics, basic probability theory, probability distributions, graphing, measures of location and variation, linear regression and correlation. Emphasis is placed on the application of statistics, distributions, and regression analysis. Concurrent enrollment in MAT 059 Supportive Skills for Statistics is required.

MAT 120 Elementary Statistics

IAI – M1 902

3 Hours

Prerequisites: MAT 056 OR MAT 062 with a grade of "C" or higher or assessment

3 hours weekly (3-0)

MAT 120 is a general education mathematics course which fulfills 3 hours of the core curriculum mathematics requirement. The course introduces the basic properties of descriptive and inferential statistics, basic probability theory, probability distributions, graphing, measures of location and variation, linear regression and correlation. Emphasis is placed on the application of statistics, distributions, and regression analysis.

MAT 125 Discrete Structures (Also CPS 202)

IAI – M1 905, IAI – CS 915

3 Hours

Prerequisites: MAT 108 or MAT 111 either with a grade of "C" or higher or assessment

3 hours weekly (3-0)

MAT 125 is a general education mathematics course which fulfills 3 hours of the core curriculum mathematics requirement. Topics include number systems, sets, relations and functions, logic, Boolean algebra, elementary matrix operations, combinations, permutations, counting techniques, and basic concepts of probability, graphs, and trees. **MAT 125 is ordinarily offered in the fall semester in odd numbered years.**

MAT 131 Calculus I

IAI – M1 900-1, IAI – MTH 901

5 Hours

Prerequisites: MAT 109 or MAT 111 either with a grade of "C" or higher or assessment

5 hours weekly (5-0)

MAT 131 will cover the basic concepts and techniques of single variable calculus. Although careful definitions and statements will be given, emphasis on formal proof will be minimal. Topics will include limits and their properties, differentiation of single variable functions, integration of elementary functions, and several applications of differentiation and integration associated with analytic geometry and physics. Students who successfully complete this course fulfill the general education mathematics requirement of John A. Logan College.

MAT 201 Calculus II

IAI – M1 900-2, IAI – MTH 902

5 Hours

Prerequisites: MAT 131 with a grade of "C" or higher.

5 hours weekly (5-0)

MAT 201 is a continuation of MAT 131. Students who successfully complete this course fulfill the general education mathematics requirement of John A. Logan College. Topics include integration, methods of integration, applications of integration, infinite series, power series, polar coordinates, parametric equations, and introduction to three-dimensional and integral calculus.

MAT 202 Calculus III

IAI – M1 900-3, IAI – MTH 903

3 Hours

Prerequisites: MAT 201 with a grade of "C" or higher

3 hours weekly (3-0)

MAT 202 is an introduction to multivariable calculus. Topics include vectors in two and three dimensions; vector operations; planes and lines in space; cylinders, quadric surfaces, and surfaces of revolution; cylindrical and spherical coordinates; vector-valued functions (space curves); limits, continuity**,** differentiation, differentials, iterated integrals, double integrals, triple integrals and applications of functions of two or three variables; optimization using Lagrange multipliers; directional derivatives, gradients, and the Jacobian.

MAT 205 Differential Equations

IAI – MTH 912

3 Hours

Prerequisites: MAT 201 with a grade of "C" or higher

3 hours weekly (3-0)

MAT 205 is an introduction to differential equations. Topics include standard solution techniques for first order linear, separable, exact, and/or homogeneous equations; standard solution techniques for homogeneous second and higher order equations with constant coefficients; linear independence of solutions; the Wronskian; the methods of reduction of order, undetermined coefficients and variation of parameters; Cauchy-Euler equations; the existence and uniqueness of solutions; the Laplace transform, transfer and impulse response functions. Further topics may be chosen from system and plane analysis, Newtonian mechanics, RLC circuit analysis, power series methods, numerical methods, stability of solutions, the heat equation and Fourier Series, or Bessel functions. **MAT 205 is offered in the spring semester only.**

MAT 208 Math for Elementary Teachers I

3 Hours

Prerequisites: MAT 061 and MAT 062 both with a grade of "C" or higher or assessment

3 hours weekly (3-0)

MAT 208 is the first of two courses in the mathematics sequence required for elementary and/or special education majors. It covers sequences, problem solving, set theory, logic, numeration systems and whole numbers, integers, number theory, rational numbers, irrational numbers, and the real number system. In order to receive credit, the student must earn a grade of "C" or higher.

MAT 209 Math for Elementary Teachers II

IAI – M1 903

3 Hours

Prerequisites: MAT 208 with a grade of "C" or higher

3 hours weekly (3-0)

MAT 209 is the second of two courses in the mathematics sequence required for elementary and/or special education majors. The completion of the two course sequence (MAT 208 and MAT 209) will meet the general education mathematics core requirement. It includes percent, real numbers, probability, statistics, geometric figures, congruencies, similarities and concepts of measurement (including the metric system). In order to receive credit, the student must earn a grade of "C" or higher.

MAT 221 Introduction to Linear Algebra

IAI – MTH 911

3 Hours

Prerequisites: MAT 131 with a grade of "C" or higher

3 hours weekly (3-0)

MAT 221 is an introduction to the theory and application of linear algebra. Topics include: vectors; operations on matrices; matrices; inverse of a matrix; solution of systems of linear equations; rank of a matrix; vector spaces and subspaces; linear dependence and independence; basis and dimension; linear transformations; sums, composites, inverses of linear transformations; range and kernel of a linear transformation; proof; determinants; eigenvalues and eigenvectors; orthogonality and inner product spaces. Emphasis is placed on the application of linear algebra and formal verification of theoretical properties. Applications include polynomial curve fitting, network analysis, stochastic matrices, Leontief Input-Output models, least squares regression analysis, eigenvalue problems, applications in analytic geometry, and least squares approximations. **MAT 221 is ordinarily offered in the spring semester in even numbered years.**

MAT 282 Statistics

IAI – M1 902

3 Hours

Prerequisites: MAT 108 with a grade of "C" or higher or assessment

3 hours weekly (3-0)

MAT 282 is designed to meet the needs of students requiring a statistics course with a college algebra prerequisite in their programs. Topics include descriptive statistics, including graphical and numerical, basic probability theory, probability distributions, inferences involving estimation, and hypothesis testing, correlation and regression, and analysis of variance. This course will include statistical applications in business, nursing, education, social sciences, and STEM fields.

Medical Assistant (MDA)

MDA 101 Orientation to Medical Assisting

1 Hours

Prerequisites: BUS 115, NAD 101 (or Work Waiver) with C or higher and MDA 101 with C or higher.

1 hour weekly (1-0)

This course introduces the student to the career path of becoming a Certified Medical Assistant. The student will gain knowledge in areas of professionalism, confidentiality, ethics, listening and communication skills and will be given an overview of program expectations in both administrative and clinical areas. Student will receive information packets, rules and regulations regarding clinical experiences and mandatory requirement information for vaccines, CPR certification, Drug Screening, Background Checks, HIPAA Laws, Bloodborne Pathogen education and the CMA Scope of Practice.

MDA 128 Administrative Skills for Medical Assistant

5 Hours

Prerequisites: BUS 115, NAD 101 (or Work Waiver) with C or higher and MDA 101 with C or higher.

7 hours weekly (3-4)

This course lays a foundation for the completion of the MDA program by presenting broad aspects related to each component of being an entry-level professional medical assistant. The course orients students to the clinical, clerical, and content-based areas of front and back office practices, along with the primary scientific and psychological concepts underlying a competent medical assistant's career. Communication skills professionalism, electronic technology applications, documentation skills, Electronic Medical Records, legal and ethical concepts, HIPAA, patient education, facility management and community resources are topics covered in this course. Students will be able to evaluate their potential to succeed as a medical assistant and begin preparation for a CMA career by creating a professional resume, cover letter and reference page with interview skills.

MDA 129 Medical Insurance and Billing Procedures

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course provides study of the claim forms and billing guidelines set forth by major health insurance companies, Medicare, Medicaid, Workman's Compensation and military health funds. The learner will learn core competencies to efficiently manage the front office in a health-care setting.

MDA 130 Pharmacology

3 Hours

Prerequisites: BIO 105, HIT 217, Mathematics placement score above the College's developmental level or MAT 051 or higher, or MAT 104 with a grade of "C" or higher.

4 hours weekly (2-2)

Basic pharmacological considerations commonly seen in outpatient settings, including the proper techniques and calculations involved in the selection, preparation, administration, and monitoring of medications given via oral and parenteral (excluding IV) routes are covered in this course.

MDA 132 Medical Clinic Procedures

4 Hours

Prerequisites: BIO 105, HIT 217, and admission to the Medical Assistant Program or consent of the program director.

5 hours weekly (3-2)

The fundamental tasks and procedures related to the clinical operations in an ambulatory healthcare facility are presented in this course. Course components include the theory related to clinical procedures involving patient care and instructions; assisting with specialty examinations and procedures and office/ambulatory surgery; rehabilitation and therapeutic modalities; nutrition in health and disease; and diagnostic testing.

MDA 133 Medical Office Laboratory Procedures

2 Hours

Prerequisites: BIO 105, HIT 217, and admission into the Medical Assistant program or consent of the program director.

3 hours weekly (1-2)

Medical Office Laboratory Procedures introduces the medical assistant student to standard laboratory procedures within a medical office. Health and safety guidelines, types of laboratory testing, quality control, specimen collection, and uses of microscopes are included. Students will learn basic phlebotomy techniques and perform collection methods. Hematology, urinalysis, basic microbiology, and other specialty laboratory tests are reviewed.

MDA 134 Externship

6 Hours

Prerequisites: BUS 115, NDA 101 and MDA 101 with a minimum grade of "C".

11 hours weekly (1-10)

This course is a practical externship at ambulatory health care sites designed to reinforce classroom theory and applications for medical assisting students to gain hands-on experience. Lab hours for this course can be accomplished through Externship (160 hours) or Apprenticeship (2,000 hours)

Medical Laboratory Technology (MLT)

MLT 120 Introduction to Clinical Laboratory

3 Hours

Prerequisites: Admission to Medical Laboratory

Technology Program

4 hours weekly (2-2)

Acquaints the student with the profession of medical laboratory technology. Includes an overview of the major disciplines in laboratory medicine, basic laboratory mathematics, collection and handling of specimens, handling and care of laboratory equipment, preparation of solutions and media, methods of sterilization, and the basic elements of quality control. The student is introduced to the disciplines of hematology, immunohematology, clinical chemistry, urinalysis, and microbiology.

MLT 121 Serology

1.5 Hours

Prerequisites: MLT 120

2 hours weekly (1-1)

An introduction to immunology with emphasis on applied serology. The immune response, properties and synthesis of antibodies, antigens, and antibody reactions, and the serological procedures most widely performed in the clinical laboratory are the major topics for discussion.

MLT 122 Clinical Microscopy

1.5 Hours

Prerequisites: MLT 120

2 hours weekly (1-1)

A study of the theory and microscopic examination of urine and other body fluids (i.e., synovial fluid, thoracentesis fluid, semen, and gastric fluid).

MLT 123 Phlebotomy

3 Hours

Prerequisites: Successful completion ("C" or higher) in MLT 120

4 hours weekly (2-2)

MLT Phlebotomy covers the phlebotomist's role in health care, confidentiality and ethics; Patient's Bill of Rights; Quality Assurance; basic anatomy and physiology of the circulatory system, safety, infection-control, isolation techniques; OSHA standards; handling accidental needle stick exposures; phlebotomy equipment; phlebotomy technique on routine venipunctures, dermal punctures, and drawing difficult patients; specimen collection and handling techniques; compliance; customer service; patient identification procedures; and competency in phlebotomy. In addition, the student will learn the theory of arterial punctures, but will observe only, in the clinical setting. The student will perform 100 venipunctures during the eight weeks of clinical rotation for recommended experience and competency as well as specimen collection and handling procedures.

MLT 223 Immunohematology

4 Hours

Prerequisites: MLT 121, 122

5 hours weekly (3-2)

A study of the blood groups of mankind and their significance in bloodbanking and transfusion services. Included are the inheritance and properties of blood group antigens and their corresponding antibodies, methods of detection and identification, hemolytic disease processes, and the collection and processing of blood and blood components to ensure safe transfusion. Blood group immunology, record keeping, and quality control are stressed.

MLT 225 Clinical Chemistry

4 Hours

Prerequisites: MLT 223

5 hours weekly (3-2)

A study of the diagnostic chemistry tests in the average clinical laboratory. Includes normal physiology, principles of the reactions and interpretation of test results. Includes basic instrumentation, laboratory mathematics, and quality control.

MLT 228 Hematology and Hemostasis

5 Hours

Prerequisites: MLT 120, MLT 121, MLT 122, MLT 123

6 hours weekly (4-2)

This course offers an introduction to the study of clinical hematology and hemostasis, which emphasizes the basic procedures performed in most clinical laboratories as well as their uses in the diagnosis and follow up of hematological and coagulation disorders. The role of the laboratory in the diagnosis of anemias, leukemias, myeloproliferative disorders, and other diseases affecting the hematopoietic system is stressed along with the hemostatic component, coagulation factors, coagulation cascade mechanism, heredity and acquired bleeding disorders, coagulation factor deficiencies, therapeutic regimes, and laboratory methods for analysis of clinical conditions.

MLT 229 Applied Clinical Microbiology

5 Hours

Prerequisites: MLT 223, MLT 228, MLT 251

6 hours weekly (4-2)

This course is a study of the normal and pathogenic microflora of man with an emphasis on the methods used for isolation, recognition and identification of microorganisms of medical significance. Included are the types of media used for culturing microorganisms, descriptive cellular and colonial morphology, stains and staining reactions, drug susceptibility testing and procedures used for species identification. Emphasis on host parasite relationships, medical bacteriology, virology, parasitology, and mycobacteria is also stressed.

MLT 251 Clinical Rotation I

3 Hours

Prerequisites: MLT 223

15 clinical hours (0-15)

Supervised clinical experience. Students rotate in hematology/coagulation and immunohematology during the last 6 ½ weeks of the semester.

MLT 252 Clinical Rotation II

3 Hours

Prerequisites: MLT 251

15 clinical hours (0-15)

Supervised clinical experience. Students rotate in clinical chemistry/clinical microscopy, and clinical microbiology/serology.

Music (MUS)

MUS 101A Choral Ensemble

1 Hour

Prerequisites: None

3 hours weekly (0-3)

The John A. Logan College Choral Ensemble is a non-auditioned performance ensemble. The choir performs many times throughout the year including, but not limited to a Holiday Collage, Spring Concert, Spring Musical, and various outside arenas. Musical selections are chosen from a wide variety of repertoire representing styles from the early Renaissance through the 21st century. Music majors are required to take one faculty-supervised ensemble every semester of enrollment.

MUS 102A Chamber Ensemble

1 Hour

Prerequisites: Consent of instructor

3 hours weekly (0-3)

The John A. Logan College Chamber Ensemble, also known as the Logan Singers, is open to a limited number of auditioned singers. It is designed to give students experience with choral music specifically written for small groups. Outside of presentations with the Choral Ensemble, the Logan Singers will often perform at area civic and community events as well as public relations venues.

MUS 103 Symphonic Band

1 Hour

Prerequisites: Consent of the Band Director

3 hours weekly (0-3)

This class is designed to give students the opportunity to prepare and perform as a part of a symphonic band. As a part of the course, students will give public performances throughout the semester.

MUS 105 Music Appreciation

IAI – F1 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Music Appreciation is designed to familiarize the student with outstanding works of musical composition by means of recordings. This includes an emphasis on the elements of music, various musical forms and periods, and great composers and performers from antiquity through the 21st century.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

MUS 106 Beginning Class Piano I

1 Hour

Prerequisites: None

2 hours weekly (0-2)

A class designed to teach basic musical information and keyboard skills with actual keyboard instruction. Available in the piano laboratory. Elementary education or child care students will find this class particularly useful.

MUS 108 Aural Skills I

1 Hour

Prerequisite: Must be taken in sequence

2 hours weekly (0-2)

MUS 108 is the first in a four-semester sequence of courses in which music majors need to enroll each term. It is the accompanying course of MUS 121. It includes the sequential development of ear training,

sight singing, and dictation and may include piano keyboard-assisted instruction.

MUS 109 Aural Skills II

1 Hour

Prerequisites: Must be taken in sequence

2 hours weekly (0-2)

MUS 109 is the second in a four-semester sequence of courses in which music majors need to enroll each term. It is the accompanying course of MUS 122. It includes the sequential development of ear training, sight singing, and dictation and may include piano keyboard-assisted instruction.

MUS 110 Music Fundamentals

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Music Fundamentals is designed for the student who desires knowledge of the basic concepts of rhythm, notation, music reading, scales, chords, and other theoretical applications of music. It assumes no previous knowledge or formal training.

MUS 111 Applied Music*

1 Hours

Prerequisites: Must be taken in sequence

2 hours weekly (0-2) for 1 credit

Private instruction, a weekly half-hour lesson in the classical instrument of choice, commensurate with the student's current ability. Lessons incorporate representative solo and study materials and a basic knowledge of appropriate literature. Students will develop basic knowledge through advanced performance skills. This course is intended for non-music majors, music majors needing further development on their major instrument before taking 200-level courses, music majors fulfilling secondary instrumental study, or students desiring to improve their performance skills for reasons of personal enrichment. Students are required to practice a minimum of two hours per week, maintain a Weekly Practice Log, and perform at a semester-end jury examination. A student may take up to four semesters of the same instrument for college credit. Students should consult with the Applied Lessons Coordinator to begin lessons.

*Applied Music Sections:

A	Voice	L	Saxophone
B	Piano	M	Percussion
C	Organ	N	French Horn
D	Violin	O	Trumpet
E	Viola	P	Trombone
F	Cello	Q	Tuba
G	String Bass	R	Baritone
H	Flute	S	Harpsichord
I	Oboe	T	Guitar
J	Clarinet	U	Piccolo
K	Bassoon	V-Z	Other

Some Applied Music courses are also offered as part of the study abroad program. Contact the International Education Coordinator for more information.

MUS 118 Band

1 Hour

Prerequisites: None

3 hours weekly (0-3)

Students will gain practical experience in the rehearsal and public performance of the best in band literature. Open to all students. Students may take up to four semesters of this ensemble for college credit.

MUS 118S Summer Band

.5 Hour

Prerequisites: None

1.5 hours weekly (0-1.5)

Students will gain practical experience in the rehearsal and public performance of the best in band literature. Open to all students. Students may take up to four semesters of this ensemble for college credit.

MUS 119 Orchestra

1 Hour

Prerequisites: None

2 hours weekly (0-2)

Students will gain practical experience in the rehearsal and public performance of the best in orchestral literature. Open to all students. Students may take up to four semesters of this ensemble for college credit.

MUS 121 Theory of Music

3 Hours

Prerequisites: Students will be given a music theory assessment during the first week of class. Students not meeting minimum criteria will be required to enroll in MUS 110 in conjunction with MUS 121.

3 hours weekly (3-0)

A course for the student who desires in-depth knowledge of the rules and principles involved in part writing. Studies the 17th century techniques of writing music. MUS 108 and 109 are companion courses and must be taken the same semester as MUS 121 and MUS 122.

MUS 122 Theory of Music

3 Hours

Prerequisites: Completion of MUS 121 and taken in sequence

3 hours weekly (3-0)

A course for the student who desires in-depth knowledge of the rules and principles involved in part writing. Studies the 17th century techniques of writing music. Required for music majors and minors. MUS 108 and 109 are companion courses and must be taken the same semester as MUS 121 and MUS 122.

MUS 123 Music Ensemble

1 Hour

Prerequisites: Consent of the Coordinator/Production Director

3 hours weekly (0-3)

Students may acquire no more than four hours credit and not more than two hours per year. Hours are to be secured for participating in musical activities. Designed to provide students with a combination of instrumental and vocal music experience and to develop skills in concentrated areas of music. Students may receive the opportunity to participate in musicals such as Lil Abner, The Fantastics, Showboat, Oklahoma, Charlie Brown, The Wizard of Oz, Little Mary Sunshine, Paint Your Wagon, Annie Get Your Gun, and Man of LaMancha.

MUS 125 Guitar Ensemble

1 Hour

Prerequisites: None

2 hours weekly (0-2)

The John A. Logan College Guitar Ensemble is an auditioned performance ensemble. The choir performs many times throughout the year

including, but not limited to a Holiday Collage, Spring Concert, and various outside arenas. Musical selections are chosen from a wide variety of repertoire representing styles from the early Renaissance through the 21st century. Music majors are required to take on faculty-supervised ensemble every semester of enrollment.

MUS 127 Percussion Ensemble

1 Hour

Prerequisites: None

2 hours weekly (0-2)

The John A. Logan College Percussion Ensemble is an auditioned performance ensemble. The choir performs many times throughout the year including, but not limited to a Holiday Collage, Spring Concert, and various outside arenas. Musical selections are chosen from a wide variety of repertoire representing styles from the early Renaissance through the 21st century. Music majors are required to take on faculty-supervised ensemble every semester of enrollment.

MUS 208 Aural Skills III

1 Hour

Prerequisites: MUS 109. Must be taken in sequence.

2 hours weekly (0-2)

MUS 208 is the third in a four-semester sequence of courses in which music majors need to enroll each term. It is the accompanying course of MUS 221. It includes the sequential development of ear training, sight singing, and dictation and may include piano keyboard-assisted instruction.

MUS 209 Aural Skills IV

1 Hour

Prerequisites: MUS 208

2 hours weekly (0-2)

MUS 209 is the fourth and final class of a four-semester sequence of courses in which music majors need to enroll each term. It is the accompanying course of MUS 222. It includes the sequential development of ear training, sight singing, and dictation and may include piano keyboard-assisted instruction.

MUS 211 Applied Music*

2 Hours

Prerequisites: Must be taken in sequence

4 hours weekly (0-4) for 2 credits

Private instruction, a weekly one-hour lesson in the classical instrument of choice, commensurate with the student's current ability. Lessons incorporate representative solo and study materials and a basic knowledge of appropriate literature. Students will develop basic knowledge through advanced performance skills. This course is intended for music majors on his/her primary instrument or for students seriously interested in improving their performance skills. Students are required to practice a minimum of four hours per week, maintain a Weekly Practice Log, and perform at a semester-end jury examination. A student may take up to four semesters of the same instrument for college credit. Students should consult with the Applied Lessons Coordinator to begin lessons.

*Applied Music Sections:

A	Voice	L	Saxophone
B	Piano	M	Percussion
C	Organ	N	French Horn

D	Violin	O	Trumpet
E	Viola	P	Trombone
F	Cello	Q	Tuba
G	String Bass	R	Baritone
H	Flute	S	Harpsichord
I	Oboe	T	Guitar
J	Clarinet	U	Piccolo
K	Bassoon	V-Z	Other

MUS 221 Advanced Theory of Music I and
MUS 222 Advanced Theory of Music II

3 Hours

Prerequisites: Must have completed MUS 121 and 122 and taken in sequence

3 hours weekly (3-0)

Advanced course in continuing sequence to MUS 121 and 122. Companion courses are MUS 208 and 209.

MUS 225 Music Literature/History

IAI – F1 901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Music Literature/History provides an introduction to the standard concert repertory through intensive guided listening. Representative works by major composers are chosen to illustrate the principal styles, forms, and techniques of vocal and instrumental music. It is a preparatory course for the professional study of music and assumes a fundamental knowledge and understanding of the elements of music.

Nursing Assistant Training (NAD)

NAD 101 Nursing Assistant Training
7 Hours

Prerequisites: None
10.5 hours weekly (5.5-5)

This course is designed to train students to be competent in skills necessary for the nursing assistant to function successfully in a hospital, long-term care facility, or other health care facilities. The nursing assistant will provide services related to the comfort and welfare of the resident under direct supervision of the licensed nurse or physician. Some topics to be covered include body mechanics, transfer techniques, basic anatomy and physiology, personal care, vital signs, rehabilitation, death, Alzheimer patient care, dying, and post-mortem care. Cardiopulmonary resuscitation is also included.

Office Technology (OFT)

OFT 104 Spreadsheet Design

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is designed to provide the business student with skills and knowledge necessary to design and implement practical spreadsheet models using Microsoft Excel software. Students will use basic business mathematics skills to design problem-solving models that can be used in the analysis of data. This course will help the student prepare to take the Microsoft Certified Application Specialist Exam.

OFT 105 Current Operating Systems/Security

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is intended for beginners and intermediate end users who want to increase their understanding of computer and information security issues and practices, as well as explore the basics of a current operating system.

OFT 110 Introduction to Word Processing

2 Hours

Prerequisites: None

3 hours weekly (1-2)

This course is designed to provide the student with skills to become effective and efficient in using a popular word processing software. The student will incorporate critical thinking skills along with problem- solving techniques to master this software package. This course is designed for students who would like to master a word processing package and cover many Microsoft Certification exam topics.

OFT 115 Basic Keyboarding

1 Hour

Prerequisites: None

2 hours weekly (0-2)

This course is an introduction to the computer keyboard. The primary goal is mastery of the keyboard demonstrated by the touch operation of the alphanumeric keyboard and symbols. The touch method for ten-keypad will be introduced.

OFT 116 Keyboarding I

3 Hours

Prerequisites: None

5 hours weekly (1-4)

Mastery of the keyboard with speed and accuracy in the touch operation of the keyboard is the major goal of this course. Skill is developed for vocational and personal uses. Business office standards are used in keyboarding basic letter styles, reports, and tables. The following grade scale is used for speed on 3-minute timings on straight copy; A=40 wpm; B=36-39 wpm; C=32-35 wpm.

OFT 117 Keyboarding II

3 Hours

Prerequisites: OFT 116 or consent of department chair

5 hours weekly (1-4)

Further development of speed and accuracy in both production and straight copy keyboarding. Further study of business letters, special business communication forms and styles, reports, tables, and a mastery of keyboarding digits. The following grade scale is used for

speed for 3-minute timings on straight copy: A=58 wpm; B=54 wpm; C=50 wpm.

OFT 120 Data Base Management

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is designed to provide the student with fundamental database concepts. The student will be able to create and maintain tables, forms, queries, and reports. Skills will go beyond that of utilizing the wizards. Customized forms and reports will be developed. Interacting with the Web, setting table relationships, and data integration with other applications will be covered. Many of the Microsoft Certification exam topics will be covered.

OFT 135 Office Language Skills

3 Hours

Prerequisites: None

3 hours (3-0)

This course is designed to review language skills and to improve the use of the following: proofreading skills, spelling, punctuation, other grammatical skills, including the proper use of capital letters, abbreviations, number styles, word division, and the use of appropriate word choice.

OFT 207 Computer Applications for Business

IAI – AG 913, IAI – BUS 902

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This lecture and hands-on lab course will provide an overview of operating systems, file management techniques, Internet, email and computer conferencing software and apps, word processing, spreadsheets, database management and presentation software.

OFT 236 Records Management

1 Hour

Prerequisites: None

2 hours weekly (0-2)

Emphasis is on the basic principles of modern filing systems—including alphabetic, subject, numeric, chronological, and geographic filing. Students work with practice filing equipment and become acquainted with the rules of indexing, cross referencing, and coding, as well as retrieval, retention, and recycling of records.

OFT 237 Office Procedures

3 Hours

Prerequisites: OFT 116 or CIS 207

3 hours weekly (3-0)

The knowledge and skills necessary to work as an office assistant in today's offices will be presented. Major topical areas include the organization of business offices, communications skills, technology and procedures, document creation and distribution, travel, conference and meeting planning, financial and legal aspects, and professional and continuing development.

OFT 270 Medical Office Procedures

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is designed to prepare the student to perform basic office procedures and follow common practices in today's medical community. Administrative medical office

duties covered include mailing procedures, patient reception, telephone communications, travel and meeting arrangements, patient scheduling, patient chart preparation, patient billing, insurance billing, office management, and practice finances. Hands-on application will be provided using a popular practice management software program.

OFT 280 Computer Applications for the Medical Office

3 Hours

Prerequisites: OFT 116 and CIS 207

4 hours weekly (2-2)

This course is designed to prepare the student to use electronic health records (EHR) in today's medical community. First, conceptual theory is presented including history and EHR standards. Then, the student applies theoretical knowledge through in-depth and practical training using a popular EHR software program to equip the student to successfully enter a medical setting with a comprehensive working experience of EHR.

Orientation (ORI)

ORI 100 College 101

1 Hour

Prerequisites: None

2 hours weekly (1-0)

This course is designed to help students in their transition to college. Students will learn about the resources and services available at John A. Logan College, as well as the expectations of being a college student.

ORI 111 PN Orientation

.5 Hours

Prerequisites: Admission to LPN program

.5 hours weekly (.5-0)

This course introduces the student to the concepts and requirements of the License Practical Nursing Program. Students will learn the expectations of both John A. Logan College and the Nursing Department. Topics discussed include the John A. Logan College mission and values, the social media policy, HIPPA violations, course, lab and clinical requirements, ATI testing procedure, criminal background checks and drug screening.

ORI 212 ADN Orientation

.5 Hours

Prerequisites: Admission to ADN program

.5 hours weekly (.5-0)

This course will introduce students to the ADN program entry requirements for classroom, labs, and clinicals.

Personal Trainer (PTR)

PED 149 Intro to Personal Training

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course introduces students to the basics of the personal training profession. Students will learn proper communication techniques, the fundamentals of resistance training, the fundamentals of cardiorespiratory training, and the basics of other special exercise programming topics.

PED 151 Fitness Assessment & Program Design

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course will educate students on the basics of delivering fitness assessments as a personal trainer. Students will learn how to develop and implement comprehensive fitness programs for both individuals and groups from a broad range of varying physical abilities.

PED 152 Group Fitness Instruction

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to provide the practical information and skills necessary to lead group exercise sessions. Course content includes group fitness design, elements of leading a group fitness class, and safety considerations. Students must be able to actively participate in daily class workouts.

PTR 250 Personal Training Beginner Practicum

4 Hours

Prerequisites: None

8 hours weekly (0-8)

This course is designed to provide the practical information and skills necessary to lead group exercise sessions. Course content includes group fitness design, elements of leading a group fitness class, and safety considerations. Students must be able to actively participate in daily class workouts. This course provides students with an opportunity to combine their academic knowledge with practical, hands-on experience in a fitness center setting. Students will work within the Logan Fitness facility for a minimum of 8 hours per week for 16 weeks.

PTR 251 ACE Certification Prep

1 Hour

Prerequisites: None

1 hour weekly (1-0)

This course prepares students to sit for the American Council for Exercise (ACE) personal training certification exam.

PTR 252 Personal Training Advanced Practicum

4 Hours

Prerequisites: None

8 hours weekly (0-8)

This course is designed to provide the practical information and skills necessary to lead group exercise sessions. Course content includes group fitness design, elements of leading a group fitness class, and safety considerations. Students must be able to actively participate in daily class workouts. This course provides students with an opportunity to combine their academic knowledge with practical, hands-on experience in a fitness center setting. Students

will work within the Logan Fitness facility for a minimum of 8 hours per week for 16 weeks.

Philosophy (PHL)

PHL 111 Ethics and Moral Problems

IAI – H4 904

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A discussion and analysis of the principal ethical theories and concepts of human conduct, as well as a critical evaluation of these theories as they address particular moral problems.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

PHL 121 Introduction to Logic

IAI – H4 906

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is a study of the rules of valid judging and reasoning, both inductive and deductive, in a traditional, language-centered context rather than a symbolic context. Logical analysis of both formal and informal fallacies and of the consistency and logical consequences of a given set of statements is included. Logical analysis is applied to concrete problems dealing with our knowledge of reality.

PHL 131 Introduction to Philosophy

IAI – H4 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introduction to the enduring problems that arise in human experience and how philosophers address them. Topics include human nature, identity, the nature of knowledge and truth, reality, moral and aesthetic values, the question of meaning in human life, and religion.

PHL 200 Asian Philosophy

IAI – H4 903N

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A survey of several representative Asian cultures and value systems through their religious and philosophical concepts.

PHL 260 World Religions

IAI – H5 904N

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An examination of the foundations and teachings of the world's major religions, including Judaism, Christianity, Islam, Hinduism, Buddhism, and Taoism.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

PHL 265 Intro to Philosophy of Religion

IAI – H4 905

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Course critically examines theological concepts and theories as well as aspects of religious belief. Questions to be addressed include: what is the nature of the deity and are there rational

grounds for belief in a deity, what I the nature of good and evil, are there miracles, are there practical reasons for faith, what is the nature of religious language, and what is the relationship between science and religion.

Phlebotomy (PHB)

PHB 101 Phlebotomy Didactic

2 Hours

Prerequisites: None

4 hours weekly (1-3)

Phlebotomy Didactic covers the phlebotomist's role in health care; confidentiality and ethics; Patient's Bill of Rights; Quality Assurance; basic anatomy and physiology of the circulatory system; safety; infection control; isolation techniques, OSHA standards; handling accidental needle stick exposures; phlebotomy equipment; phlebotomy technique on routine venipunctures, dermal punctures, and drawing difficult patients; specimen collection and handling techniques; compliance; customer service; patient identification procedures; and competency in phlebotomy. Students who wish to become certified as phlebotomy technicians must complete this course and complete PHB 102 with a grade "C" or better.

PHB 102 Phlebotomy Practicum

6 Hours

Prerequisites: PHB 101 and ALH 101

12 hours weekly (0-12)

Phlebotomy Practicum provides supervised phlebotomy training at an approved clinical site. During the practicum, the learner will have contact with diverse patient populations in a variety of settings. In this setting, the learner will perform the appropriate blood collection procedure and any follow-up care within the phlebotomy scope of practice. NOTE: Possession of a current Cardiopulmonary Resuscitation (CPR) and completion of the program's health requirements prior to placement in the internship. Students who wish to become certified as phlebotomy technicians must complete this course and complete PHB 101 with a grade "C" or better.

Physical Education Development (PED)

PED 126 Beginning Weight Training

.5-2 Hours

Prerequisites: None

Hours weekly (variable)

This course introduces the student to the basics of fitness and weight training by combining physical workouts with instructional materials, videos, and quizzes. The student will learn components of physical fitness, health trends, weightlifting, techniques, and the process of developing an individualized workout program.

PED 149 Intro to Personal Training

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course introduces students to the basics of the personal training profession. Students will learn proper communication techniques, the fundamentals of resistance training, the fundamentals of cardiorespiratory training, and the basics of other special exercise programming topics.

PED 151 Fitness Assessment & Program Design

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course will educate students on the basics of delivering fitness assessments as a personal trainer. Students will learn how to develop and implement comprehensive fitness programs for both individuals and groups from a broad range of varying physical abilities.

PED 152 Group Fitness Instruction

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to provide the practical information and skills necessary to lead group exercise sessions. Course content includes group fitness design, elements of leading a group fitness class, and safety considerations. Students must be able to actively participate in daily class workouts.

PED 203 Walking for Fitness I

2 Hours

Prerequisites: None

4 hours weekly (0-4)

This course will provide students with the opportunity to learn the fundamentals and proper techniques of walking for health and fitness. Emphasis is placed on stretching exercises for warm-up and utilization of weight training machines for strength and endurance gains.

Physical Education Development/ Education Courses (PEDE)

PEDE 190 Introduction to Coaching

3 Hours

Prerequisites: None

3 hours weekly (0-3)

This course is designed to provide as much insight as possible into the coaching profession and to examine the many facets involved in the world of the coach. This is a course that will attempt to describe the nature of coaching, point out potential problem areas, offer some advice, and create discussion and debate for those who are about to enter the field and those who are already in it.

PEDE 202 Physical Education for Children

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to develop skills and knowledge for organizing, incorporating, and assessing physical education progressions for children and youth. This course will consist of lectures, videos, class participation in demonstrations of teaching movement, teaching practice, and service learning.

Physical Science (PHS)

PHS 102 Astronomy

IAI – P1 906

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A general education course in astronomy that examines astronomical phenomena and concepts, including the solar system, planetary motions, atoms and radiation, stars and galaxies, and the origin and evolution of the universe. Textbook principles as well as observation of the night sky are brought together in this course.

PHS 103 Earth Science

IAI – P1 905L

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This is a lecture and laboratory course that serves as an introduction to geology, including the many cycles that drive our planet, Earth. Major topics include scientific research methods, formation of Earth, Earth in relation to the universe, geologic time, plate tectonics, the rock cycle, the water cycle, natural hazards, human impact on the Earth, life through time, and climate changes through time. Laboratory includes traditional on-campus investigations and field lab trips to explore the exemplary natural environments found in southern Illinois.

PHS 105 How Things Work: Physics of Everyday Life

IAI – P1 900

3 Hours

Prerequisites: MAT 051

3 hours weekly (3-0)

This course introduces the principles of physics and science for non-science major or science major students. Students will examine selected familiar real-life examples in a case-study format and explore their connection to underlying physical principles, which are revisited when they appear in another example, thus building the universality of the concepts. The course will consider examples covering topics from mechanics, fluids, heat, electricity and magnetism, optics, waves, and modern physics. The course will be helpful for students to develop logical thinking to solve problems. This course is also helpful for students wishing to gain a conceptual understanding before taking a more advanced physics course.

PHS 107 Weather & Climate

IAI – P1 905

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A first course in the atmospheric sciences, for both science and non-science majors, which integrates an exposure to current atmospheric events with an understanding of current scientific thinking of atmospheric processes. The course covers topics ranging from basic atmospheric composition, structure and motions to an introduction to climatology. The course will also emphasize scientific literacy and qualitative reasoning applied to atmospheric behavior.

SCI 100 STEM Fundamentals

1 Hour

Prerequisits: None

1 hour weekly (1-0)

This course is designed to help STEM-oriented (Science, Technology, Engineering, and Mathematics oriented) students in their transition to college. Students will learn about the resources and services available at John A. Logan College and other higher education institutions, as well as the expectations and challenges of being a STEM-oriented college student. Students will also gain important skills that are required to achieve success in math- and science-based college coursework.

SCI 101 Integrated Life & Physical Science I

IAI – LP900L/901

4 Hours

Prerequisites: None

5 hours weekly (3-2)

Using a combination of lecture and lab, this course integrates various introductory topics as they relate to the life and physical sciences. It is oriented to provide general knowledge on a variety of topics such as general biology and chemistry, cells, energy flow, genetics, evolution, earth's resources, various biotic and abiotic components of ecosystems, as well as resource availability, consumption, pollution, and sustainability, along with how it relates to climate change. The utilization of the scientific process: inquiry, as well as interpretation of data and critical thinking, will be integrated throughout the semester during both lecture and lab.

SCI 111 Integrated Life & Physical Science II

IAI – LP900L/901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is an interdisciplinary physical and life science course that focuses on the study of humankind's relationships with other organisms and the impact on nonliving components of the environment. There are both biological and physical science topics integrated throughout the course, as a continuation from PHS 101 content. Critical thinking and the process of science is intertwined throughout the course too.

Physics (PHY)

PHY 121 Technical Physics

IAI – P1 900L

3 Hours

Prerequisites: None

4 hours weekly (2-2)

A general study of physics emphasizing applications to the technical fields and introducing the laws of motion and equilibrium and their relation to work, energy, and power. Also included are the principles of mechanics as they are applied to solids and fluids and the principles of heat, electricity, and magnetism.

PHY 155 College Physics I

IAI – P1 900L

5 Hours

Prerequisites: MAT 111 or 2 yrs. H. S. algebra and 1 yr. H. S. Trigonometry

6 hours weekly (4-2)

An introduction to physics. Classical mechanics and topics chosen from heat, sound, and materials science. This is the first in a non-calculus sequence for science, mathematics, pre-med, chemistry, and other majors requiring college physics.

PHY 156 College Physics II

5 Hours

Prerequisites: PHY 155

6 hours weekly (4-2)

A continuation of PHY 155. Electricity and magnetism along with topics selected from optics and modern physics; the final course of the non-calculus college physics sequence.

PHY 201 Statics

IAI – EGR 942

3 Hours

Prerequisites: MAT 131 with a grade of "C" or higher, PHY 155 (or HS Physics I) with a grade of "C" or higher and concurrent enrollment in PHY 205, University Physics I or PHY 205, University Physics I, with a grade of "C" or higher.

3 hours weekly (3-0)

This course introduces principles of static equilibrium to solve statically determinate systems. It is a rigorous course in statics for engineering, mathematics, physics, and other majors requiring a calculus-based mechanics course. Topics include force and moment vectors, equivalent systems of forces and distributed loadings, equilibrium of particles and rigid bodies, centroid, center of gravity, moment of inertia, and virtual work. Structural analysis of simple trusses, space trusses, frames, and machines are considered.

PHY 202 Dynamics

IAI – EGR 943

3 Hours

Prerequisites: PHY 201

3 hours weekly (3-0)

A continuation of PHY 201. Methods of elementary classical mechanics as applied to particles and rigid bodies in nonequilibrium situations. Vector algebra is used extensively and some vector calculus is introduced. A programmable calculator is strongly recommended for the course. This course is currently offered in the spring semester.

PHY 203 Mechanics of Materials

IAI – EGR 945

4 Hours

Prerequisites: PHY 201 with a minimum grade of "C" or higher

3 hours weekly (3-0)

This course is a continuation of Statics (PHY 201), building on that course's material to offer a more thorough understanding of the physics of beams and shafts. Topics include, but are not limited to: concepts of stress and strain, material properties (elastic and plastic); torsion; shear stresses and deformations; thermal stresses; thin-walled pressure vessels; pure bending; stresses and strains; transverse loading of beans; shear stress and combined loading; transformations of stress and strain(Mohr's Circle); design of beams and shafts for strength ; shear and moment diagrams; deflection of beans; energy methods; and column.

PHY 205 University Physics I

IAI – P2 900L, IAI – PHY 911

5 Hours

Prerequisites: MAT 131

7 hours weekly (4-3)

PHY 205 is the first course in a standard two-semester calculus-based physics sequence that is offered at most universities and colleges for engineering majors. The course will introduce students to the fundamental laws of mechanics and oscillations. Topics covered will include kinematic motion in one and two dimensions, Newton's law, momentum, work and energy, conservation of energy and momentum, rotational motion, force and energy concepts as applied to rotational dynamics, static equilibrium, and brief introduction to elasticity, introduction to universal law of gravitation and Kepler's laws, and simple harmonic motion. The laboratory component of the course will investigate these concepts.

PHY 206 University Physics II

IAI – PHY 912

5 Hours

Prerequisites: PHY 205, MAT 201, or consent of instructor

7 hours weekly (4-3)

PHY 206 is the second course in a standard two-semester calculus-based physics sequence that is offered at virtually all universities and colleges for engineering majors. PHY 206 covers electricity, magnetism, electromagnetic waves, optics, and an introduction to relativity and quantum physics.

PHY 214 Introduction to Circuit Analysis

IAI – EGR 931

3 Hours

Prerequisites: MAT 202 with a grade of "C" or higher and the completion of PHY 206 or concurrent enrollment.

3 hours weekly (3-0)

This course introduces students to fundamental principles of circuit theory as used in engineering and scientific applications. Topics include basic concepts of electrical current, voltage, power and energy; units; independent and dependent sources; resistance R; Ohm's Law; Kirchhoff's Laws; simple resistive circuits; delta-to-wye transformations; resistive circuit analysis methods (node-voltage, mesh-currents, source transformations, Thevenin and Norton

equivalents, and superposition); operational amplifiers; capacitance C and inductance L; transient responses of RC, RL and RLC circuits; sinusoidal steady state RLC circuits (analysis in time domain and frequency domain, and power).

PHY 224 Electric Circuit Analysis with Laboratory

IAI – EGR 931L

4 Hour

Prerequisites: PHY 214 or concurrent enrollment

5 hours weekly (3-2)

This course introduces students to fundamental principles of circuit theory as used in engineering and scientific applications. Topics include basic concepts of electrical current, voltage, power and energy; units; independent and dependent sources; resistance R; Ohm's Law; Kirchhoff's Laws; simple resistive circuits; delta-to-wye transformations; resistive circuit analysis methods (node-voltage, mesh-currents, source transformations, Thevenin and Norton equivalents, and superposition); operational amplifiers; capacitance C and inductance L; transient responses of RC, RL and RLC circuits; sinusoidal steady state RLC circuits (analysis in time domain and frequency domain, and

Political Science (PSC)

PSC 131 American Government

IAI – S5 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A survey of American national, state, and local governments, including a study of the structure-function of the political system and the elements of constitutionalism, republicanism, and federalism. Emphasis will be given to the dynamics of the political process through the operation of public opinion, the party system, and the electoral process. Special attention will be given to an analysis of the Constitution of the United States. Students who receive credit for Political Science 131 automatically fulfill the statutory requirements of the State of Illinois.

PSC 211 State and Local Government

IAI – S5 902

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A survey of the structure and functions of American state and local governments. Attention will be given to intergovernmental relations, and the organization, powers, functions, and finances of state and local governments. Emphasis will be placed upon the unique problems of the metropolitan areas.

PSC 212 Introduction to International Relations

IAI – S5 904

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introduction to international relations emphasizing contemporary international problems and relations. The course is a foreign policy analysis of the international interactions of states and other international actors. In addition, the collapse of Soviet and Eastern European communism, the rediscovery of economics, the resurgence of nationalism, and the emergence of global problems will be examined.

PSC 215 Congress: The Legislative Process

3 Hours

Prerequisites: None

3 hours (3-0)

Presents an inside view of the U. S. Congress and the complex range of individuals, organizations, and processes it embodies. Programs are hosted by journalist Edwin Newman and feature Norman Ornstein, professor of political science, Catholic University. Themes addressed include congressional elections, committees, parties, leadership, lobbying, constituency relations, lawmaking, budgeting, and separation of powers.

PSC 220 The Law and Society

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A course on the legal principles on which the law is based, and the legal system which administers the law. Helps students understand what their legal rights are and informs them of what legal principles are involved in a variety of daily situations.

PSC 289 Introduction to Comparative Government

IAI – S5 905

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is a comparative examination of the systems, processes, and policies of selected countries. The analysis of each country includes a study of political culture, structure, function, and public policymaking of nine separate countries.

Practical Nursing (PNE)

ORI 111 PN Orientation

.5 Hours

Prerequisites: Admission to LPN program

.5 hours weekly (.5-0)

This course introduces the student to the concepts and requirements of the License Practical Nursing Program. Students will learn the expectations of both John A. Logan College and the Nursing Department. Topics discussed include the John A. Logan College mission and values, the social media policy, HIPPA violations, course, lab and clinical requirements, ATI testing procedure, criminal background checks and drug screening.

PNE 101 Fundamentals of Nursing

3 Hours

Prerequisites: Acceptance into Practical Nursing Program

3 hours weekly (3-0)

Fundamentals of Nursing is a basic course which presents an introduction to the practice of nursing, the role of the practical nurse, and his/her function in the health care system. The student will learn the nursing process, the therapeutic environment, health maintenance in the health care system, and nursing interventions in specific situations. The Nurse Practice Act will be discussed, as well as end-of-life therapies and care.

PNE 102 Nursing Procedures

2 Hours

Prerequisites: Acceptance into Practical Nursing Program

4 hours weekly (0-4)

Students will practice and demonstrate basic skills performed by the licensed practical nurse in a lab setting. Emphasis will be placed on safety, use of standard precautions, body mechanics, care of equipment and supplies, maintenance of a therapeutic environment and documentation. The course format consists of demonstration and discussion, student practice and return demonstration of skills by students. Skills will be emphasized during aspects of the course.

PNE 103 Clinical Nursing

1.5 Hours

Prerequisites: Acceptance into Practical Nursing Program

4.5 hours weekly (0-4.5)

The purpose of PNE 103 is to allow the student the appropriate supervised time to practice in a clinical facility the content theory material presented in PNE 101, 102A, 102B and 105. Students must show proof of appropriate physicals and inoculations.

PNE 105 Nursing Throughout the Life Cycle

1 Hours

Prerequisites: Acceptance into Practical Nursing Program

1 hours weekly (1-0)

This course is designed to present the theory material necessary to introduce the student to the normal growth and development of man from birth to death. The course will introduce the student to development in terms of maturation, psychological, cognitive, and motor functions. Age groups will be presented, including differences, changes occurring, developmental tasks expected, and nursing implications. Without an awareness of the range and complexity of distinctions between age groups, a nurse cannot be cognizant of the

client's special needs or obvious factors related to health conditions. The individual will be discussed in relation to the health care system. The nurse's influence on the client's growth and development will be emphasized.

PNE 161 Pharmacology in Nursing I

2 Hours

Prerequisites: Acceptance into Practical Nursing Program

2 hours weekly (2-0)

Because nurses play a vital role in treatment regimens involving the use of drugs, this course provides an introduction to drugs and drug administration. The student will learn the major factors affecting drug actions and drug therapy for special patient populations. Calculation of medication dosage will be given special emphasis. Information concerning common dosage, therapeutic action, and contra-indications of selected groups of drugs will be presented.

PNE 171 Pharmacology in Nursing II

2 Hours

Prerequisites: PNE 161

2 hours weekly (2-0)

Intended to build upon Pharmacology in Nursing 161, this course emphasizes drug therapy as a means of patient care. The student will learn about commonly used medications which act on the various body systems. Information will be emphasized concerning common dosage, therapeutic action, and contra-indications.

PNE 183 Maternal and Newborn Health

1.5 Hours

Prerequisites: PNE 101, 102, 103, 105, 161

1.5 hours weekly (1.5-0)

The purpose of this course is to develop within the practical nursing student an appreciation of the meaning of effective prenatal and postnatal care, an understanding of the total birth process, and to develop skills for supervised practice in caring for the mother and newborn while recognizing deviations from normal.

PNE 184 Obstetrics Clinical

.5 Hour

Prerequisites: Successful completion of first semester

PNE 101, 102, 103, 105, 161

1.5 hours weekly (0-1.5)

Designed to present the expected obstetric objectives that a student will complete at a clinical facility giving the student the appropriate supervised experience.

PNE 193 Pediatric Nursing

1.5 Hours

Prerequisites: Acceptance into the Practical Nursing Program

1.5 hours weekly (1.5-0)

The purpose of this course is to broaden the student's understanding of the care of the well and sick child. Emphasis is placed on the family-centered approach to the nursing care of children with medical and surgical conditions most often affecting children. The student is exposed to the preventive, rehabilitative, and terminal care of the child and his family while caring for children with acute, chronic, and congenital conditions.

PNE 204 Adult Nursing I

2 Hours

Prerequisites: PNE 101, 102, 103, 105, 161

2 hours weekly (2-0)

Nursing care for persons with medical and surgical health deviations is learned and practiced.

PNE 206 Adult Nursing II

2 Hours

Prerequisites: PNE 204

2 hours weekly (2-0)

Nursing care for persons with medical and surgical health deviations is learned and practiced. Legal aspects of nursing are presented.

PNE 207 Medical/Surgical Clinic

3.0 Hours

Prerequisites: PNE 101, 102, 103, 105, 161, 209

9.0 hours weekly (0-9)

The PNE 207 course is designed to present the expected medical/surgical objectives that a student will complete at a clinical facility offering the student the appropriate supervised experience.

PNE 208 Mental Health Nursing

1 Hour

Prerequisites: Acceptance into Practical Nursing Program

1 hour weekly (1-0)

Introduction to mental health and the deviations from normal, including etiology and accepted modes of treatment. Includes nursing interactions in supervised practice.

PNE 209 I.V. Therapy

.5 Hours

Prerequisites: PNE 101, 102, 103, 105, & 161

1.5 hours weekly (0-1.5)

This course is designed to give nurses working in diverse patient care settings practical information needed for safe I.V. therapy. Infusion guidelines, venipuncture techniques, I.V. fluids, blood and blood components, and calculation of I.V. flow rates will be discussed and practiced in a lab environment.

Psychology (PSY)

PSY 132 General Psychology

IAI – S6 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

General Psychology is an introductory course including the study of scientific research and application in regard to the psychological areas of affect, behavior, and cognition. This course is offered in the belief that an introduction to the many facets of psychology is an important part of anyone's general educational development. Therefore, a general goal of this course is to prepare students to be informed critical thinkers of contemporary psychology, as well as to provide a foundation for further study in psychology.

PSY 200 Social Psychology

IAI – S8 900, IAI – PSY 908

3 Hours

Prerequisites: PSY 132 recommended, but not required.

3 hours weekly (3-0)

Social Psychology is an introductory course in the study of human group behavior. Research and theory are integrated in regard to the study of attitude formation, social perception and cognition, group processes and interpersonal relations, and social influences on behavior.

This course is also offered as part of a study abroad program. Contact the Coordinator of International Education for more information.

PSY 203 Adolescent Psychology

IAI – S6 904

3 Hours

Prerequisites: PSY 132

3 hours weekly (3-0)

Adolescent Psychology examines interrelated bio-logical, cognitive, social, and emotional aspects of development during adolescence based on a life-span perspective. Topics include family relationships, peer relations, the school experience, career choice and work, the college experience, identity formation, adjustment, moral development, and the development of intimacy and sexuality. The course concludes with a focus on adolescents at risk. Course content is based on theory, empirical research, and application.

PSY 262 Child Psychology

IAI – S6 903

3 Hours

Prerequisites: PSY 132

3 hours weekly (3-0)

A study of the factors affecting the development of the child from conception to adolescence. Genetic, prenatal, familial, social, and cultural influences that interact to affect the child's physical, cognitive, linguistic, and social development will be examined.

PSY 270 Abnormal Psychology

IAI – PSY 905

3 Hours

Prerequisites: PSY 132 or equivalent

3 hours weekly (3-0)

Abnormal Psychology is an introduction to the definition, understanding, and diagnosis of psycho-logical disorders. Historical, cultural, empirical, and theoretical perspectives are combined to address etiology, assessment, treatment, and prevention.

PSY 285 Psychology of Personality

3 Hours

Prerequisites: PSY 132

3 hours weekly (3-0)

A study of the major perspectives on personality, integrating theory and research, and covering analytic and neo-analytic approaches along with cognitive, growth-humanistic, trait, behavioral/social learning, family systems and community psychology views on development, assessment, treatment and prevention.

Recreation (REC)

REC 101 Introduction to Leisure and Recreation

3 hours

Prerequisite: None

3 hours weekly (3-0)

This class will survey the nature of sport, leisure and recreation by reviewing the influence of historical, cultural, economic, psychological, technological, and philosophical impact of sport, play, leisure, and recreation. Included are insights into the fundamental concepts, values, and functions of sport, play, and leisure as an individual emotional experience as well as a necessary part of community. The course will also cover applicable careers in sport, military, health industry, and the outdoor, public, and private sectors. This course may include field trips and/or outdoor activities.

Integrated Science (SCI)

SCI 100 STEM Fundamentals

1 Hour

Prerequisites: None

2 hours weekly (1-0)

This course is designed to help STEM-oriented students in their transition to college. Students will learn about the resources and services available at John A. Logan College and other higher education institutions, as well as the expectations and challenges of being a STEM-oriented college student. They will also gain important skills that are required to achieve success in math- and science-based college coursework.

SCI 101 Integrated Life & Physical Science I

IAI – LP900L/901

4 Hours

Prerequisites: None

5 hours weekly (3-2)

Using a combination of lecture and lab, this course integrates various introductory topics as they relate to the life and physical sciences. It is oriented to provide general knowledge on a variety of topics such as general biology and chemistry, cells, energy flow, genetics, evolution, earth's resources, various biotic and abiotic components of ecosystems, as well as resource availability, consumption, pollution, and sustainability, along with how it relates to climate change. The utilization of the scientific process: inquiry, as well as interpretation of data and critical thinking, will be integrated throughout the semester during both lecture and lab.

SCI 111 Integrated Life & Physical Science II

IAI – LP900L/901

3 Hours

Prerequisites: Concurrent enrollment or completion of SCI 101 or consent of instructor

3 hours weekly (3-0)

This is an interdisciplinary physical and life science course that focuses on the study of humankind's relationships with other organisms and the impact on nonliving components of the environment. There are both biological and physical science topics integrated throughout the course, as a continuation from PHS 101 content. Critical thinking and the process of science is intertwined throughout the course too.

SCI 210A Integrated Science I

IAI – LP 900L

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Integrated Science is a lecture-laboratory course designed to provide a wide-ranging background in the life and physical sciences. The primary focus will be on providing the pre-service teacher with the information needed to meet the new science education standards based on content and inquiry methods. Future K-8 teachers will acquire knowledge that can be directly applied to lessons they will teach in the classroom, as well as enhancing their own personal scientific literacy. Science 210A will concentrate on the physical sciences.

SCI 210B Integrated Science II

IAI – LP 901L

4 Hours

Prerequisites: None

5 hours weekly (3-2)

Integrated Science is a lecture-laboratory course designed to provide a wide-ranging background in the life and physical sciences. The primary focus will be on providing the pre-service teacher with the information needed to meet the new science education standards based on content and inquiry methods. Future K-8 teachers will acquire knowledge that can be directly applied to lessons they will teach in the classroom, as well as enhancing their own personal scientific literacy. Science 210B will concentrate on the life sciences.

SCI 215 Environmental Biology

IAI – L1 905

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introductory course on the study of man's relationship and dependency on the environment and natural resources. Emphasis will be primarily from biological perspectives, including: ecology, biodiversity, evolution, pollution, health and natural resource management. Current environmental issues will be studied to explore their personal and social impact on society.

Social Work (SOCW)

SOCW 275 Introduction to Social Work

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Introduction to Social Work examines the relationships among social, cultural, political, and economic factors in the history and practice of social welfare. The range of roles and applications of modern social work practice will be examined with particular emphasis on community based delivery systems.

SOCW 280 Rural and Minority Populations

3 Hours

Prerequisites: SOCW 275

3 hours weekly (3-0)

Rural and Minority Populations examines the relationship of cultural diversity to practice, policy, social and economic injustices among rural people/communities, racial/ethnic and minority groups. An emphasis on the needs, experiences and attitudes of minority populations pertaining to delivery of social services will be explored.

Sociology (SOC)

SOC 133 Principles of Sociology

IAI – S7 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introductory course examining the three dimensions of society (culture, structure, social processes) and the three major theoretical perspectives (symbolic interactionist, functionalist, and conflict), as well as demonstrating their use as tools for understanding and researching both personal experience and larger social patterns. Topics addressed over the course of the semester include popular culture, the global economy, inequality, cross-cultural differences, deviance, socialization, and social change.

SOC 220 Sociology of Gender

IAI – S7 904D

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Sociology of gender examines the social construction of gender through interaction and social institutions, gender role acquisitions, gender-based identities/performances, gender as a factor in social stratification, and gender ideologies.

SOC 221 Race and Ethnicity

IAI – S7 903D

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Comparative analysis of racial and ethnic groups: examining elements of group identify; social movements; government policy; individual and institutional discrimination; and related social problems.

SOC 250 Individual and Society

IAI – S8 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is a course in sociological social psychology. It will focus on the sociological frameworks (symbolic interactionism, social structure and personality, and group processes and structures), and the connections between group experience and individual behavior, including the development of 'self',' conformity and deviance, attitudes, intergroup interaction, and collective behavior within sociological social psychology.

SOC 263 Marriage & the Family

IAI – S7 902

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A sociological examination of mate selection and marriage, family life, marital adjustments, and the place of the family in American culture. Cross-cultural comparisons will consider child-rearing, communal living, the latest trends, and predictions about the future.

SOC 264 Social Problems

IAI – S7 901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A review and application of basic sociological concepts, theories, and methods to examine contemporary social problems. Students discuss and analyze selected contemporary social problems along with a range of solutions to these problems. Special features of the class include the use of the World Wide Web in the research process, examination of cultural representations of social problems, and local focus on social problems.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

Spanish (SPN)

SPN 101 Elementary Spanish I

4 Hours

Prerequisites: None

4 hours weekly (4-0)

Emphasis on grammar, pronunciation, vocabulary, and oral use of the language. Language laboratory is required.

This course is also offered as part of a study abroad program. Contact the Coordinator of International Education for more information.

SPN 102 Elementary Spanish II

4 Hours

Prerequisites: SPN 101 or consent of instructor

4 hours weekly (4-0)

Continuation of SPN 101 with new vocabulary, reading in Spanish prose, oral practice, and writing. The grammatical structures of the language will be studied, expanding to past tenses and the subjunctive. Required language laboratory.

This course is also offered as part of a study abroad program. Contact the Coordinator of International Education for more information.

SPN 201 Intermediate Spanish I

4 Hours

Prerequisites: SPN 102 or consent of instructor

4 hours weekly (4-0)

Review and application of essential principles of Spanish grammar structure and training in idiomatic usage through oral and written exercises; intensive practice of spoken language; reading Spanish language literature with emphasis on cultural aspects of the Hispanic world, arts and civilizations. In addition, an oral exam will be part of the course. Language laboratory is required.

This course is also offered as part of a study abroad program. Contact the Coordinator of International Education for more information.

SPN 202 Intermediate Spanish II

IAI – H1 900

4 Hours

Prerequisites: SPN 201 or consent of instructor

4 hours weekly (4-0)

A continuation of SPN 201 with summary of grammatical aspects of the language; refining conversational skills; strong emphasis on enhanced writing skills, and rapid reading of representational Spanish language prose, arts, and cultures. Language laboratory required.

This course is also offered as part of a study abroad program. Contact the Coordinator of International Education for more information.

Sports Management (SPM)

SPM 101 Introduction to Sports Management

3 hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed for students entering the sport and physical education profession where it is critical to understand the theory and practice of ethical management principles in sport/fitness organizations. These principles are applied to interscholastic, intercollegiate, international, and professional organizations along with the health/fitness and community recreation industries.

Surgical Technology (STP)

STP 121 Introduction to Surgical Technology

3 Hours

Prerequisites: Acceptance into the Surgical

Technology Program, BIO 205 or 206 with C or better.

3 hours weekly (3-0)

This course introduces the student to the broad field of surgical technology. It includes Orientation to Surgical Technology, Standards of Conduct, The Surgical Patient, Special Populations, and Physical Environment and Safety Standards.

STP 122 Principles and Practices of Surgical Technology

7 Hours

Prerequisites: STP 121, BIO 205 or 206

9 hours weekly (4-6)

This course introduces the student to the practice of surgical technology. The focus is on skills that are specifically those of the scrub role and the circulator role. The student will demonstrate the proper and safe execution of procedures and instruments and equipment. Adequate laboratory time for the practice and testing of the skills is required.

STP 123 Surgical Procedures I

2 Hours

Prerequisites: STP 122, 127, BIO 205 and 206

3 hours weekly (1-2)

This course is designed to prepare students for clinic practice training. Instruction introduces students to the various surgical specialties.

STP 125 Clinical Rotation in Surgical

Technology I

2.5 Hours

Prerequisites: STP 122, 127, BIO 205 and current CPR certification

7.5 hours weekly (0-7.5)

This course introduces the student to the operating room and its routine. This course functions to expand knowledge gained in STP 122 and supports the knowledge being gained in Surgical Procedures I. This course is offered pass/fail.

STP 127 Pharmacology for Health Professions

3 Hours

Prerequisites: STP 121

3 hours weekly (3-0)

This course provides basic knowledge of the most commonly used medications in the operating room. Commonly prescribed medications such as anesthetics, diuretics, gastric drugs, hormones, antibiotics, diagnostic agents, and blood and fluid replacements will be discussed.

STP 225 Surgical Procedures II

5 Hours

Prerequisite: STP 123 & BIO 226

6 hours weekly (4-2)

This course is designed to build on the concepts from Surgical Procedures I. Surgical anatomy of the body and instrumentation that pertains to the system of study. Topics include ophthalmic surgery, ears, and nose and throat surgery, oral surgery, plastic surgery, orthopedic surgery and peripheral vascular surgery.

STP 226 Clinical Rotation II

5 Hours

Prerequisites: STP 123, STP 125

15 hours weekly (0-15)

This course is continuation of STP 125. This course functions to expand knowledge gained in Introduction to Surgical Technology, Principles and Practice and Practices of Surgical Technology and Surgical Procedures I. It also supports the knowledge being gained in Surgical Procedures II.

STP 227 Surgical Procedures III

5 hours

Prerequisite: STP 225

6 hours weekly (4-2)

The course is designed to build on concepts from Surgical Procedures II. Surgical anatomy of the body and instrumentation that pertains to the systems of study. Topics include thoracic and pulmonary surgery, cardiac surgery, pediatric surgery, neurosurgery, emergency trauma surgery, and disaster preparedness and response.

STP 228 Clinical Rotation III

5 hours

Prerequisite: STP 225, STP 226

15 hours weekly (0-15)

This course is continuation of STP 226. This course functions to expand knowledge gained in Introduction to Surgical Technology, Principles and Practice and Practices of Surgical Technology, Surgical Procedures I and Surgical Procedures II. It also supports the knowledge being gained in Surgical Procedures III.

Surveying (SRV)

SRV 101 Surveying I
3 Hours

Prerequisites: None
3 hours weekly (3-0)

This is a beginning course in surveying designed to introduce the student to the principles and equipment of surveying, as well as the profession of surveying.

Theater (THE)

THE 113 Theater Appreciation

IAI – F1 907

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introductory survey of theatre/drama as a performing art form. Includes study and analysis of historical, social, esthetic, and technical aspects of traditional and contemporary theatrical/dramatic expression.

This course is also offered as part of a study abroad program. Contact the Coordinator of International Education for more information.

THE 119 Stagecraft I

3 Hours

Prerequisites: None

5 hours weekly (1-4)

Advanced information relating to theatrical production. Intense applied training in set design, set construction, set decoration, lighting design, lighting application, sound design, sound application and special effects, makeup design, hair style design, costume design, publicity, house management, and advanced acting techniques.

THE 120 Stagecraft II

3 Hours

Prerequisites: None

5 hours weekly (1-4)

Continuation of Stagecraft I. Intense applied training in set design, set construction, set decoration, lighting design, lighting application, sound design, sound application and special effects, makeup design, hair style design, costume design, publicity, house management, and advanced acting techniques.

THE 124 Fundamentals of Acting I

IAI – TA 914

3 Hours

Prerequisites: None

3 hours weekly (3-0)

The purpose of this course is to provide students with a basic approach to the fine art of acting and to allow them to develop their own technique through active participation.

THE 125 Fundamentals of Acting II

3 Hours

Prerequisites: THE 124

3 hours weekly (3-0)

A continuation of Fundamentals of Acting I. An intensive approach to acting that will prepare students for a variety of acting situations.

THE 128 Theater Practicum

1 Hour Each

Prerequisites: Permission of the director. Students will not be permitted to register for THE 128 until selected for a play or for a technical position that the director believes is appropriate for credit

1 hour weekly (1-0)

This is a course designed to increase a student's proficiency in the preparation and presentation of theatrical productions. Credit is awarded for per-forming in or working on major College productions. Students may acquire no more than four hours of credit total and no more than two hours of credit per year.

THE 224 Play Analysis for Production

IAI – TA 917

3 hours

Prerequisites: None

3 hours weekly (3-0)

An introductory exploration of the relationships between dramatic text and the play in performance. Representative plays are studied in their genre, historical and social contexts. An emphasis is placed on basic structural terminology and methodology.

THE 225 Performance of Literature

IAI – TA 916

3 hours

Prerequisite: None

3 hours weekly (3-0)

The study and performance of literature, such as essays, letters, novels, poetry, and short stories, with an emphasis on using voice and movement to interpret the works and communicate that interpretation to an audience.

Travel and Tourism (TRT)

TRT 152 Safety & Sanitation
1 Hour

Prerequisites: None
1 hour weekly (1-0)

This course is designed to provide students with the educational background needed to assist them in passing the Illinois Food Sanitation Examination, which is necessary for employees in food service establishments. Topics included are these: sanitation, health, microbiology, safe food handling practices, and the sanitation regulations and standards of the State of Illinois. The student's knowledge will be tested during the last class period through a state-administered examination.

Volunteerism (VOL)

VOL 101 Volunteerism
1-4 Hours

Prerequisites: Agencies receiving volunteer services reserve the right to set requirements. The requirements will be met through a course, seminar, orientation, or criminal background/drug check. Students must successfully complete 12 hours of college credit prior to enrollment.
Hours weekly (variable)

This internship course is a form of service learning. The broad objective is to meet the students' needs that are not covered in regular classes. They will seek to achieve real objectives for the community and an understanding of service learning. They will also develop work place skills through this experience. In this process, students link personal and social development with academic and cognitive development. The student will be assigned to an agency, community action group, or educational facility based upon his/her skills, knowledge, and general interests. The internship site chosen should apply toward the student's field of study.

Welding (WEL)

WEL 115 Metallurgy

2 Hours

Prerequisites: None

2 hours weekly (2-0)

A study of the fundamental characteristics and properties of metals and alloys, elementary theories of bonding, crystal structure, deformation phenomena, and phase relationships in binary alloys. Annealing and heat treatment of alloys with major emphasis on iron-carbon alloys.

WEL 120 OXYFUEL WELDING, CUTTING, AND BRAZING

3 Hours

Prerequisites: None

5 Hours Weekly (1-4)

This course is a study of the theory and operation of oxy-acetylene welding and cutting, brazing, and plasma cutting. Students learn to produce welds and braze joints in the flat, horizontal, vertical, and overhead positions in accordance with American Weld Society (AWS) standards used in industry and construction. Introduces cutting methods of beveling, piercing, and cutting to prescribed sizes.

WEL 121 SMAW (STICK) PLATE WELDING I

3 Hours

Prerequisites: None

5 Hours Weekly (1-4)

This course is a study of Shielded Metal Arc Welding (SMAW) theory and practice in preparation and welding of flat and horizontal position steel plate joints. Students learn to produce stringer beads, weaves, fillet, and groove welds in the flat and horizontal positions. Safety, electrode selection, American Welding Society (AWS) weld symbols, equipment setup and operation, inspection and testing are included.

WEL 122 GMAW (MIG) PLATE WELDING

3 Hours

Prerequisites: None

5 Hours Weekly (1-4)

This course is a study of Gas Metal Arc Welding (GMAW) theory and practice in the preparation and welding of mild steel, aluminum, and stainless steel in all positions. Safety, equipment components, nozzle setup, torch angles, travel direction, weave motion, bead sequence, and out-of-position welding are emphasized. Setup and operation of the GMAW welder with various conditions for mild steel. The student will use the pound gun to weld aluminum and stainless steel in all positions.

WEL 123 SMAW (STICK) PLATE WELDING II

3 Hours

Prerequisites: WEL 121

5 Hours Weekly (1-4)

This course is a study of Shielded Metal Arc Welding (SMAW) theory and practice in preparation and welding of vertical and overhead position steel plate joints. Students learn to produce stringer and weave beads with varying techniques. Safety, electrode selection, AWS weld symbols, equipment setup and operation, inspection and testing are included.

WEL 124 GTAW (TIG) WELDING I

3 Hours

Prerequisites: None

5 Hours Weekly (1-4)

This course is a study of Gas Tungsten Arc

Welding (GTAW) theory and practice in preparation and welding of mild steel plate in all positions. Safety, equipment components, torch set-up, travel direction, AWS weld symbols, shielding gases, torch and filler rod angles, weave and stringer techniques will be emphasized.

WEL 125 WELD TESTING AND INSPECTION

3 Hours

Prerequisites: WEL 121 and WEL 123(CONCURRENT)

4 Hours Weekly (2-2)

This course is the study of Shielded Metal Arc Welding (SMAW) theory and practice in the preparation and welding of mild steel plate for the American Welding Society (AWS) certification test in the flat, horizontal, vertical, and overhead position. Safety, joint preparation, AWS code and specifications, AWS inspection standards and evaluation. The successful student will be able to pass the qualification test required by the industry and construction.

WEL 126 SMAW (STICK) PLATE WELDING III

3 Hours

Prerequisites: WEL 121 and WEL 123

5 Hours Weekly (1-4)

This course is a study of the theory and practice in preparation and welding of vertical and overhead position steel plate joints with the SMAW process using large diameter electrodes. Safety, electrode selection, American Welding Society (AWS) weld symbols, equipment setup and operation, inspection and testing are included. The successful student will be able to pass the qualification test required by the industry and construction.

WEL 127 WELDING AND METAL FABRICATION

3 Hours

Prerequisites: WEL 121 or WEL 122 or WEL 124

5 Hours Weekly (1-4)

This course is a study of welding and metal fabrication practices used in industry and construction. Hands-on lab exercises include assembly of assigned projects using safety, part and piece layout, fit-up, weld sequencing, and blueprints.

WEL 128 PIPE WELDING

3 Hours

Prerequisites: WEL 121, WEL 123 (Concurrent)

4 Hours Weekly (2-2)

This course is a study of pipe joint preparation and welding in accordance with American Welding Society (AWS) and American Society of Mechanical Engineers (ASME) standards used in industry and construction. Define, describe, and identify various pipe welding codes and procedures. Pipe joints are prepared, welded, and tested in accordance with AWS D.1.1 code.

WEL 129 GTAW (TIG) WELDING II

3 Hours

Prerequisites: Concurrent enrollment with WEL124

5 Hours Weekly (1-4)

This course is a study of Gas Tungsten Arc Welding (GTAW) theory and practice in preparation and welding of aluminum and stainless steel in all positions. Safety, equipment components, torch set-up, travel direction, AWS weld symbols, shielding gases, torch and filler rod angles, weave and stringer techniques will be emphasized.

Directory of Faculty & Professional Staff

Molly Alter, Associate Professor, Art
- B.F.A., Cleveland Institute of Art
- M.F.A., Southern Illinois University
- mollyalter@jalc.edu – Ext. 8234

James Anderson, Institutional Research Associate
- B.S., Southern Illinois University
- M.S., Southern Illinois University
- **Jamesa-anderson@jalc.edu** – Ext. 8951

Nathan D. Arnett, Assistant Provost of Academic Affairs
- A.A., John A. Logan College
- M.E., Murray State University
- M.M., Southern Illinois University
- Ed.D., Oakland City University
- nathanarnett@jalc.edu – Ext. 8651

Wayne Aydt, Basic Skills Tutor (Math)
- A.S., Rend Lake College
- A.S., Southern Illinois University
- B.S., University of Missouri
- M.S., Southern Illinois University
- wayneaydt@jalc.edu - Ext. 8306

Amy C. F. Bafford, Manager of Campus Support Services
- B.F.A., Southern Illinois University
- amybafford@jalc.edu – Ext. 8280

Adrienne Barkley Giffin, Student Liaison
- A.A., John A. Logan College
- B.A., Southern Illinois University
- M.P.A., Southern Illinois University
- Ed.D., Oakland City University
- adriennebarkley@jalc.edu – Ext. 8287

Cheryl Barrall, Professor, Education
- A.S., Lincoln Trail Community College
- B.S., Southern Illinois University
- M.S., Southern Illinois University
- cherylbarrall@jalc.edu – Ext. 8285

Craig Batteau, Director of Desktop Technology
- A.A.S., Southern Illinois University
- B.S., Southern Illinois University
- Graduate study, Southern Illinois University
- craigbatteau@jalc.edu – Ext. 8517

Kara Bevis, Controller
- B.B.A., McKendree University
- Certified Public Accountant
- karabevis@jalc.edu – Ext. 8675

Jane Beyler, Assistant Professor, Psychology
- B.A., University of California, Los Angeles
- M.A., Southern Illinois University
- Ph.D., Southern Illinois University
- janebeyler@jalc.edu – Ext. 8481

Amy Biley, Coordinator of Early School Leaver Transition
- B.S., Southern Illinois University
- amybiley@jalc.edu – Ext. 8264

Nikki Borrenpohl, Professor, English
- B.A., Southern Illinois University
- M.A., Clemson University
- Ph.D., Texas Tech University
- nikkiborrenpohl@jalc.edu – Ext. 8024

Esmarie Boyles, Assistant Professor, Biology
- B.S., University of the Free State
- M.S., University of Pretoria
- Ph.D., Southern Illinois University
- esmarieboyles@jalc.edu – Ext. 8547

Aaron Brenningmeyer, Instructor, Nursing
- A.A., Shawnee Community College
- A.S., Shawnee Community College
- A.A.S., Shawnee Community College
- B.S., Southeast Missouri State University
- M.S., Purdue University Global

- aaronbrenningmeyer@jalc.edu – Ext. 8235

Phillip Brewer, Coordinator of Recruitment
- B.A., University of West Georgia
- M.A., Southern Illinois University
- phillipbrewer@jalc.edu – Ext. 8274

George Bricker, Assistant Professor, Electronics
- B.S., Southern Illinois University
- M.S., Southern Illinois University
- georgebricker@jalc.edu – Ext. 8255

Nikki Brooks, Director of Student Success
- B.A., Southern Illinois University
- M.A., University of Illinois at Springfield
- nikkibrooks@jalc.edu – Ext. 8516

Melissa Brown, Director of CCR&R
- A.A.S., John A. Logan College
- B.A., Ashford University
- melissabrown@jalc.edu – (618) 985-5976 – Ext. 1241

Jane Bryant, Professor, Political Science
- B.A., Southern Illinois University
- M.A., Southern Illinois University
- M.A., Arizona State University
- Ph.D., Southern Illinois University
- janebryant@jalc.edu – Ext. 8271

Rick Burkett, Coordinator of Online Education
- A.A., Southeastern Community College
- B.S., Western Illinois University
- M.A., Western Illinois University
- rickburkett@jalc.edu – Ext. 8135

Katherine Burnett, Instructor, Nursing
- A.A.S., Rend Lake College
- B.S., Indiana Wesleyan University
- katieburnett@jalc.edu – Ext. 8447

Bill Burnside, Head Volleyball Coach
- B.A., University of Delaware
- M.S., Southern Illinois University
- billburnside@jalc.edu – Ext. 8301

Justin Burton, Human Resources Analyst
- A.S., Shawnee Community College
- B.S., Southern Illinois University
- justinburton@jalc.edu – Ext. 8543

Miran Byun, Assistant Professor, Mathematics
- B.A., Cheong-Ju National University of Education
- M.A., Southern Illinois University
- M.S., Southern Illinois University
- Ph.D., Southern Illinois University
- miranbyun@jalc.edu – Ext. 8392

Josh Cannon, Coordinator of Academic Student Testing
- A.S., John A. Logan College
- B.A., Southern Illinois University
- joshuacannon@jalc.edu – Ext. 8588Page | 78

Andrew Carr, Department Chair of Business, Computer Science & Mathematics and Assistant Professor, Mathematics
- B.S., University of Tennessee at Martin
- M.S., Southern Illinois University
- andrewcarr@jalc.edu – Ext. 8394

Aaron Carter, Assistant Professor, Heating and Air Conditioning
- A.A.S., John A. Logan College
- aaroncarter@jalc.edu – Ext. 8254

Colby Chamness, Associate Controller
- B.S. Southern Illinois University
- colbychamness@jalc.edu – Ext. 8031

Thomas Chandler, Professor, Sociology
- B.S.W., Columbia College
- M.A., University of Mississippi
- tomchandler@jalc.edu - Ext. 8485

Stephanie Chaney Hartford, Provost
- B.S., Southern Illinois University
- M.S., Southern Illinois University
- Ph.D., Southern Illinois University
- stephaniehartford@jalc.edu – Ext. 8687

David Cochran, Professor, History
- B.A., University of Missouri
- M.A., University of Missouri
- Ph.D., University of Missouri
- davidcochran@jalc.edu – Ext. 8689

Sheri Cook, Professor, Interpreter Preparation
- B.S., Northern Illinois University
- M.A., Southern Illinois University
- shericook@jalc.edu – 618.565.0054

Rebecca Corbit, Department Chair of Life and Physical Science and Assistant Professor, Biology
- A.S., Shawnee Community College
- B.S., Southern Illinois University - Edwardsville
- M.S., Southern Illinois University
- rebeccacorbit@jalc.edu – Ext. 8491

Ashleigh Couty, Coordinator of Professional Development
- B.S., Southern Illinois University
- ashleighcouty@jalc.edu – (618) 985-5976, Ext. 1223

Alisha Craddock, Coordinator of Testing Services
- A.A., Rend Lake College
- A.S., Rend Lake College
- B.S., Southern Illinois University
- alishacraddock@jalc.edu – Ext. 8617

Robert Craig, Associate Professor, Electronics
- A.A.S., John A. Logan College
- B.S., Murray State University
- M.S., Southern Illinois University
- robertcraig@jalc.edu – Ext. 8587

Matthew Crain, Assistant Women's Basketball Coach
- B.S., Oral Roberts University
- mattcrain@jalc.edu – Ext. 8421

Jil Deaton, Lead Case Manager
- A.A., John A. Logan College
- B.S., Southern Illinois University
jildeaton@jalc.edu – (618) 985-5976 – Ext. 1224

Joseph Dethrow, Dean of Arts and Science
- A.A., Southwestern Illinois College
- A.S., Southwestern Illinois College
- B.S., Southern Illinois University Edwardsville
- M.S., Southern Illinois University Edwardsville
- josephdethrow@jalc.edu – Ext. 8397

Jo Dick, Coordinator of Community Education
- A.S., Rend Lake College
- A.A.S., Rend Lake College

B.S., Mid Continent University
- jodick@jalc.edu – Ext. 8202

Michael Dinkins, Coordinator of Custodial Services
- High School Diploma
- michaeldinkins@jalc.edu – Ext. 8499

Wade Dover, Assistant Professor of Construction Management
- A.S., Shawnee Community College
- B.S., Southern Illinois University
- wadedover@jalc.edu, Ext. 8623

Kimberly Dyer, Coordinator of Financial Aid
- B.A., University of North Carolina Charlotte
- M.B.A., Gardner-Webb University
- kimberlydyer@jalc.edu, Ext. 8453

Allexis Edwards, CCAP Case Manager
- A.A., John A. Logan College
- B.A., Southern Illinois University
- allexisedwards@jalc.edu – (618) 985-5976, Ext. 1227

James Elliott, Assistant Professor, Chemistry
- B.S., Glasgow Caledonian University
- Ph.D., University of Hull, Great Britain
- jameselliott@jalc.edu – Ext. 8398

Scott Elliott, Assistant Vice President of Integrated Technology
- A.S., John A. Logan College
- B.S., Southern Illinois University
- M.S., Southern Illinois University
- scottelliott@jalc.edu – Ext. 8616

David Evans, Assistant Professor, English
- B.S., South Dakota State University
- M.F.A., University of Iowa
- M.S., Southern Illinois University

- davidevans@jalc.edu – Ext. 8317

Jo Forer, Professor, Biology
- B.A., University of Kansas
- M.S., University of Michigan
- Advanced graduate study, Eastern Michigan University and University of Michigan
- joforer@jalc.edu – Ext. 8519

Toyin Fox, Director of Diversity, Equity, Inclusion, and Access
- B.A., Obafemi Awolowo University
- M.A., Southern Illinois University
- toyinfox@jalc.edu – Ext. 8586

Matthew Garrison, Department Chair of Communication, Humanities and Social Science and Professor, English
- B.A., Eastern Illinois University
- M.S., Southern Illinois University
- mattgarrison@jalc.edu – Ext. 8387

Carey Gerber, Assistant Professor, Nursing
- B.S., University of Southern Indiana
- M S., University of Southern Indiana
- D.N.P., McKendree University
- careygerber@jalc.edu – Ext. 8412

Travis Geske, Senior Director of Network Infrastructure
- B.S., Southern Illinois University
- travisgeske@jalc.edu – Ext. 8670

Ariella Gomez, Coordinator of Testing Services
- B.S., Southern Illinois University
- ariellagomez@jalc.edu – Ext. 8247

Bradley Griffith, Director of Logan Fitness
- A.A., John A. Logan College
- B.S., University of Illinois, Champaign
- M.S., Southern Illinois University
- Ed.D., University of Arkansas at Little Rock
- bradleygriffith@jalc.edu – Ext. 8504

Jacob Wayne Griffith, Assistant Professor, Agriculture
- B.S., West Virginia University
- M.S., Southern Illinois University
- Ph.D., Southern Illinois University
- waynegriffith@jalc.edu – Ext. 8055

Tracie Griffith, CCAP Case Manager
- B.S., Southern Illinois University
- traciegriffith@jalc.edu – (618) 985-5976 – Ext. 1222

Kori Grodzicki, Enterprise Systems Junior Engineer
- A.A.S. – John A. Logan College
- korigrodzicki@jalc.edu – Ext. 8681

Jon Gunzel, Technology Support Technician
- A.A.S., Purdue University Global
- A.S., Southeastern Illinois College

jonathangunzel@jalc.edu – Ext. 8981

Michelle Guy, Logan Academy Counselor/Facilitator
- B.S.W., Southern Illinois University
- michelleguy@jalc.edu – Ext. 8566

Michelle Hamlin, Advisor/Counselor
- B.A., Southeast Missouri State University
- M.A., Southeast Missouri State University
- **michellevanzandt@jalc.edu** – Ext. 8142

Heather Hampson, Professor, Clinical Nursing Assistant
- Certificate, John A. Logan College
- A.A.S., John A. Logan College
- B.S., University of Illinois at Urbana-Champaign
- B.S., McKendree University
- M.S., Southern Illinois University – Edwardsville
- D.N.P., McKendree University
- heatherhampson@jalc.edu – Ext. 8411

Leslie Harmon McKenzie, Assistant Professor, Emergency Medical Services
- A.A., Rend Lake College
- B.S., Southern Illinois University
- M.S., Southern Illinois University

- lesliemckenzie@jalc.edu – Ext. 8060

Stephanie Harner, Assistant Vice President of Human Resources
- B.S., University of North Texas
- M.P.A., Southeast Missouri State University
- stephanieharner@jalc.edu – Ext. 8473

Angela Harper, CCAP Case Manager
- B.S., Southern Illinois University
- angelaharper@jalc.edu – (618) 985-5976 – Ext. 1237

Rollie Hawk, Manager of Risk
- A.S., John A. Logan College
- B.S., Southern Illinois University
- rolliehawk@jalc.edu – Ext. 8180

Alexander Hayes, Assistant Manager of Network Systems
- A.A.S., John A. Logan College
- alexhayes@jalc.edu – Ext. 8515

Hannah Henson, Assistant Professor of Biology
- B.S., Southern Illinois University Carbondale
- Ph.D., University of Tennessee
- hannahhenson@jalc.edu – Ext. 8323

Gretchen Hilliard-Cudworth, Manager of Grants
- B.A., Southern Illinois University Carbondale
- M.A., University of Alabama
- gretchencudworth@jalc.edu - Ext. 8730

Jodie Hines, Advising and Student Success Coordinator
- A.A., John A. Logan College
- B.A., Southern Illinois University
- M.A., Southern Illinois University
- jodiehines@jalc.edu – Ext. 8563

Lora Hines, Professor, Business
- A.S., John A. Logan College
- B.S., Southern Illinois University
- M.S., Southern Illinois University
- M.B.A., Missouri Baptist University
- lorahines@jalc.edu – Ext. 8461

Cathrine Hoekstra, Assistant Dean of Career & Technical Education
- A.A., John A. Logan College
- B.A., Southern Illinois University
- M.A., Southern Illinois University
- cathrinehoekstra@jalc.edu – Ext. 8075

Torrey Holland, Assistant Professor of Physics/Engineering
- A.S. Kaskaskia College
- B.S. Southern Illinois University, Edwardsville
- M.S., Southern Illinois University
- M.A., Southern Illinois University, Edwardsville
- torreyholland@jalc.edu – Ext. 8533

Janelle Horton, Coordinator of Students with Disabilities
- B.A., Eastern Washington University
- M.S., Southern Illinois University
- **janellehorton@jalc.edu** – Ext. 8270

Crystal Hosselton, Director of Mary Logan High School
- B.A., Southern Illinois University
- crystalhosselton@jalc.edu – Ext. 8349

Patrick Idzik, Assistant Professor of Communications
- A.A., College of DuPage
- B.A., DePaul University
- M.A., Michigan State University
- **patrickidzik@jalc.edu** – Ext. 8688

David Ing, Assistant Professor, Biology
- A.A., Rend Lake College
- A.S., Rend Lake College
- B.S., Southern Illinois University
- M.S., Southern Illinois University
- daviding@jalc.edu – Ext. 8359

Jennifer Jeter, Professor, Mathematics
- A.A., John A. Logan College
- B.S., Southern Illinois University
- M.S., Southern Illinois University
- jenniferjeter@jalc.edu – Ext. 8177

Roger Jeter, Assistant Professor, Computer Information Systems
- A.A.S., John A. Logan College

- B.A., Southern Illinois University
- M.A., Southern Illinois University
- rogerjeter@jalc.edu – Ext. 8179

Hilary Johnson, Advisor/Counselor
- B.S., Missouri Baptist University
- M.A., McKendree University
- hilaryjohnson@jalc.edu – Ext. 8459

Charlie Jones, Head Women's Basketball Coach
- A.S., John A. Logan College
- charlesjones@jalc.edu – Ext. 8595

Lottie Jones, Counselor Facilitator for Mary Logan High School
- B.A., Sonoma State University
- M.A., Sonoma State University
- lottiejones@jalc.edu – Ext. 8415

Jennifer Jordan, Director of Surgical Technology Program
- Certificate, John A. Logan College
- A.S., John A. Logan College
- B.S., Southern Illinois University
- jenniferjordan@jalc.edu

Karen Kasban, Coordinator, Diagnostic Medical Sonography and Assistant Professor, Diagnostic Medical Sonography
- A.A.S., Kaskaskia College
- B.A., Eastern Illinois University
- M.Ed., Southern Illinois University
- karenkasban@jalc.edu – Ext. 8622

Dennis Kellerman, Advisor/Counselor/Recruiter for Applied Technology
- A.A.S., Rend Lake College
- B.S., Southern Illinois University
- denniskellerman@jalc.edu – Ext. 8478

Renee Lacy, Instructor of Medical Assistant
- B.S., Western Governors University
- reneelacy@jalc.edu – Ext. 8368

Michelle Lampley, Director of Medical Laboratory Technology
- A.A., Rend Lake College
- A.A.S., Rend Lake College
- B.B.A., Mid-Continent University
- M.H.A., Ohio University
- michellelampley@jalc.edu

John Lane, Manager of IT Security, Policy, & Communication
- B.S., University of Illinois Urbana-Champaign
- M.B.A., University of Illinois Urbana-Champaign
- johnlane@jalc.edu – Ext. 8316

Phillip Lane, Manager of Digital Communications
- B.S., Murray State University
- M.S., Murray State University
- phillplane@jalc.edu – Ext. 8337

Susan LaPanne, Vice President of Business Services and CFO
- Certified Public Accountant
- B.A., Mount Holyoke College
- M.S., University of Rhode Island
- Ph.D., Capella University
- susanlapanne@jalc.edu – Ext. -8204

Genea Lowe, IDHS CCAP Case Manager
- A.A.S., Harrison College
- B.S., Harrison College
- genealowe@jalc.edu – (618) 985-5976 – Ext. 1236

Melissa Luttenbacher, Health and Safety Coach for License Exempt Providers
- A.A., John A Logan College
- melissaluttenbacher@jalc.edu - (618) 985-5976 – Ext. 1250

April Martinez, Manager of Student Life and Recruitment
- B.S., Southern Illinois University
- M.S., Southern Illinois University
- aprilmartinez@jalc.edu – Ext. 8240

Jacqueline Massie, CCRR Coordinator of Systems, Information, Recruitment, & Retention
- B.B.A., Hofstra University
- jackiemassie@jalc.edu – (618) 985-5976 – Ext. 1240

Faith Matzker, Coordinator of Project Services /TRIO
- B.A., Southern Illinois University
- M.A., Southern Illinois University
- faithmatzker@jalc.edu – Ext. 8259

Susan May, Director of Legislative Affairs and Special Assistant to the President and Board of Trustees
- A.A.S., John A. Logan College
- A.G.S., John A. Logan College
- B.S., Mid-Continent University
- susanmay@jalc.edu – Ext. 8428

Grover Mays, Assistant Professor, Welding
- A.W.S. Certified Welding Inspector
- A.W.S. Certified Welding Educator
- B.S., University of Phoenix
- M.S., Southern Illinois University
- grovermays@jalc.edu – Ext. 8345

Jordan Mays, Assistant Vice President of Institutional Effectiveness and Research
- A.S., Vincennes University
- B.S., Indiana State University
- M.S.S.M., Oakland City University
- jordanmays@jalc.edu – Ext. 8950

Christy McBride, Director of Testing Services
- A.S., Rend Lake College
- B.A., Southern Illinois University
- M.S., Southern Illinois University
- christymcbride@jalc.edu – Ext. 8496

Sumar McDonald, Assistant Professor of Nursing
- A.A.S., John A. Logan College
- B.S., Southern Illinois University Carbondale
- B.S., Western Governors University
- M.S., Western Governors University
- sumarmcdonald@jalc.edu – Ext. 8545

Jason McFarland, Associate Professor, Auto Collision/Auto Services
- A.A.S., John A. Logan College
- B.S., Southern Illinois University
- A.S.E. Certified, Master Collision Repair Technician
- jasonmcfarland@jalc.edu – Ext. 8375

Erin McGuire, Assistant Dean of Health Sciences
- A.A.S., John A. Logan College
- B.S., McKendree University
- B.S., Southern Illinois University
- M.S., Southern Illinois University – Edwardsville
- D.N.P., McKendree University
- erinmcguire@jalc.edu – Ext. 8210

Robert McKenzie, Assistant Professor, Chemistry
- A.A.S., Rend Lake College
- B.S., Southern Illinois University
- M.S., Southern Illinois University
- robertmckenzie@jalc.edu – Ext. 8454

Marie Meacham, IDHS CCAP Case Manager
- A.A.S., John A. Logan College
- mariemeacham@jalc.edu – (618) 985-5976 – Ext. 1226

Devin Miller, Instructor, Media Arts & Digital Media Tech
- M.S., Southern Illinois University
- devinmiller@jalc.edu – Ext. 8847

Todd Moe, Assistant Professor, Economics
- B.S., Southern Illinois University
- Ph.D., Southern Illinois University
- toddmoe@jalc.edu – Ext. 8458

Emily Monti, Manager of Curriculum and Instruction
- A.A., John A. Logan College
- B.S., Southern Illinois University
- M.A.Ed., McKendree University
- emilymonti@jalc.edu – Ext. 8514

Kendra Moon, Assistant Manager of Financial Aid
- A.A., John A. Logan College
- B.S., Southern Illinois University
- kendramoon@jalc.edu – Ext. 8693

J. Patrick Morey, Assistant Baseball Coach
- B.A., Hastings College
- patrickmorey@jalc.edu – Ext. 8334

Francie Morhet, Perkins Advisor/Counselor
- B.S., Southern Illinois University
- franciemorhet@jalc.edu – Ext. 8041

Jeremy Mueller, Director of Buildings and Grounds
- A.A.S., Rend Lake College
- jeremymueller@jalc.edu – Ext. 8208

Chad Mulholland, Coordinator of Grounds
- B.S., Southern Illinois University
- chadmulholland@jalc.edu – Ext. 8332

Dustin Myers, Assistant Manager of Technology Support
- High School Diploma
- dustinmyers@jalc.edu – Ext. 8577

Christopher Naegele, Director of Events and Conferences
- A.S., John A. Logan College
- B.S., Southern Illinois University
- chrisnaegele@jalc.edu – Ext. 8624

Shannon Newman, Associate Director of Purchasing and Auxiliary Services
- B.S., Southern Illinois University
- M.B.A., Southern Illinois University
- shannonnewman@jalc.edu – Ext. 8260

Luke Nicholas, Technology Support Technician
- A.A.S., Central Carolina Community College
- lukenicholas@jalc.edu – Ext. 8990

Jackson Nugent, Technology Support Technician
- A.S., John A. Logan College
- jacksonnugent@jalc.edu – Ext. 8988

Keith Oates, Coordinator of Perkins Support
- B.S., Eastern Illinois University
- Ed.S., Southern Illinois University
- M.S., Northern Illinois University
- Ph.D., Southern Illinois University
- keithoates@jalc.edu – Ext. 8982

Steve O'Keefe, Assistant Vice President of Marketing, Communications & Public Relations
- B.P.A., University of Mississippi
- M.S., Southern Illinois University
- Ed.D., Oakland City University
- steveokeefe@jalc.edu – Ext. 8569

Denise Orrill, Professor, Associate Degree/Practical Nursing
- B.S.N., McKendree College
- M.S.N., Frontier School of Midwifery & Family Nursing
- D.N.P., Brandman University
- deniseorrill@jalc.edu – 8570

Reba Ourun, Transfer Specialist/Advisor
- B.A., University of Guam
- rebaourun@jalc.edu – Ext. 8410

Kirk Overstreet, President
- B.A., North Central College
- M.A., Ball State University
- Ph.D., Benedictine University
- kirkoverstreet@jalc.edu – Ext. 8402

Prachi Parashar, Assistant Professor, Physics/Engineering
- B.S., University of Rajasthan
- M.S., University of Rajasthan
- M.S., University of Oklahoma
- Ph.D., University of Oklahoma
- prachiparashar@jalc.edu – Ext. 8292

Susan Phillips, Coordinator of Nursing Admission
- A.S., John A. Logan College
- B.S., Southern Illinois University
- susanphillips@jalc.edu – Ext. 8497

Kemberly Pinto, Professor, Spanish
- A.S., John A. Logan College
- B.A., Southern Illinois University
- M.A., Southern Illinois University
- kempinto@jalc.edu – Ext. 8315

Abigail Porter, Assistant Manager of Dual Credit and Recruitment
- A.A., John A. Logan College
- B. S., Southern Illinois University
- M. B. A., Southern Illinois University
- abbyporter@jalc.edu – Ext. 8276

Bart Pulliam, Assistant Professor, Construction Management
- A.A.S., Southern Illinois University
- B.S., Southern Illinois University
- bartpulliam@jalc.edu – Ext. 8637

Manar Qasem, Assistant Manager of Financial Aid Systems
- B.S., Southern Illinois University
- M.B.A., Midway University
- manarqasem@jalc.edu – Ext. 8215

Keisha Rafe, Coordinator of Athletic Services
- B.S., University of Phoenix
- keisharafe@jalc.edu – Ext. 8439

Nicole Rains, Assistant Manager of Academic Advisement
- A.A.S., Southern Illinois University
- A.S., Southern Illinois University
- B.S., Southern Illinois University
- M.S., Southern Illinois University
- nicolerains@jalc.edu – Ext. 8101

Krystal Reagan, Associate Dean of Education Technology
- B.A., Southern Illinois University
- M.Ed., Lesley University
- krystalreagan@jalc.edu – Ext. 8596

Haley Rhoads, Coordinator of Veteran's Services and Financial Aid
- B.S., Murray State University
- haleyrhoads@jalc.edu – Ext. 8311

Kathleen Riggs, Higher Education Navigator (CCR&R)
- B.S., Clarion University
- **kathleenriggs@jalc.edu** - (618) 985-5976 – Ext. 1238

Joseph Roach, Professor, Auto Services/Auto Collision
- B.S. Southern Illinois University
- M.S. Southern Illinois University
- A.S.E. Certified, Master Automotive Technician
- josephroach@jalc.edu – Ext. 8445

Mikaylan Roach, Coordinator of Alumni Engagement and Affinity Programs
- A.A., John A. Logan College
- B.S., Southern Illinois University
- mikaylanroach@jalc.edu – Ext. 8042

Connie Robinson, Assistant Professor of Cosmetology
- A.A.S., John A. Logan College
- B.S., Missouri Baptist University
- connierobinson@jalc.edu – Ext. 8242

Taylor Rogers, Assistant Women's Softball Coach
- B.S., Southern Illinois University
- M.S., Arkansas State University
- taylorrogers@jalc.edu – Ext. 8436

Jenifer Rongey, Curriculum Materials Facilitator
- A.A., John A Logan College
- B.A., Southern Illinois University
- **jeniferrongey@jalc.edu** – Ext. 8217

J. Adam Rubin, Director of Library Services
- B.S., Central Michigan University
- M.L.S., Indiana University
- adamrubin@jalc.edu – Ext. 8279

Cheri Rushing, Director of Financial Aid
- B.S., University of Central Missouri
- cherirushing@jalc.edu – Ext. 8029

Jeremy Sargent, Assistant Vice President of Construction Planning and Facilities Management
- B.A., Auburn University
- jeremysargent@jalc.edu – Ext. 8915

Staci Shafer, Assistant Vice President of Advancement & Executive Director of Foundation
- B.A., Southern Illinois University
- M.S., Columbia University
- stacishafer@jalc.edu – Ext. 8472

Valarie Shaw, Assistant Professor, Interpreter Preparation/ASL Deaf Studies
- B.A., Mac Murray College
- M.A., Southern Illinois University Edwardsville
- M.A., University of Northern Colorado
- valarieshaw@jalc.edu – Ext. 8456

Amanda Shelby, Athletic Advisor
- B.S., Southern Illinois University-Edwardsville
- M.S., Southern Illinois University-Edwardsville
- amandashelby@jalc.edu – Ext. 8591

Brian Sickinger, Enterprise Systems Engineer
- A.A., John A. Logan College

- briansickinger@jalc.edu – Ext. 8579

Taylor Siefert, Advisor/Head Softball Coach
- B.S., Southern Illinois University
- M.S., University of Northern Colorado
- taylorsiefert@jalc.edu – Ext. 8436

Carrie Smith, Assistant Director of Human Resources
- A.S., Rend Lake College
- B.S., Southern Illinois University
- M.B.A., Southern Illinois University
- carriesmith@jalc.edu – Ext. 8475

Kaylee Smith, Associate Manager of Admissions and Records
- B.S., Southern Illinois University
- M.S., Southern Illinois University
- kayleesmith@jalc.edu – Ext. 8509

Tyler Smithpeters, Head Men's Basketball Coach
- B.S., Southern Illinois University
- **tylersmithpeters@jalc.edu** – Ext. 8283

Jason Snider, Bursar
- A.A.S., John A. Logan College
- B.S., Southern Illinois University
- M.B.A., Missouri Baptist University
- jasonsnider@jalc.edu – Ext. 8615

Zachary Stacy, Staff Accountant
- B.S., Southern Illinois University
- zacharystacy@jalc.edu – Ext. 8484

Brian Stanfield, Assistant Professor, Philosophy
- B.A., University of Sioux Falls
- M.A., Northwest Missouri State University
- brianstanfield@jalc.edu – Ext. 8580

Beth Stephens, Manager of Career Services
- A.A.S., John A. Logan College
- B.S., Southern Illinois University
- M.S., Southern Illinois University
- bethstephens@jalc.edu – Ext. 8237

Robyn Stevens, Professor, English
- B.A., Purdue University
- M.A., Southern Illinois University
- M.S., Southern Illinois University
- Teaching Certificate in English, Speech, Spanish; Southern Illinois University
- robynstevens@jalc.edu – Ext. 8395

Kenneth Stoner, Manager of Workforce Education
- B.S., Southern Illinois University
- M.S.Ed., Southern Illinois University
- kennethstoner@jalc.edu – Ext. 8534

Brennan Stover, Assistant Professor, Criminal Justice
- A.A., Kaskaskia College
- A.A.S., Kaskaskia College
- B.S., Southern Illinois University
- M.S., Lindenwood University
- brennanstover@jalc.edu – Ext. 8027

Jason Stutes, Department Chair of Applied Technologies and Professor, Heating and Air Conditioning
- A.A.S., John A. Logan College
- B.S., Southern Illinois University
- jasonstutes@jalc.edu – Ext. 8251

Kyle Surprenant, Advisor/Head Baseball Coach
- A.A., Kankakee Community College
- B.A., Western Illinois University
- M.S., Southern Illinois University
- kylesurprenant@jalc.edu – Ext. 8058

Rachel Sveda-Webb, Assistant Provost for Student Affairs
- A.A., Rend Lake College
- A.S., Rend Lake College
- B.S., Southern Illinois University
- M.S., Southern Illinois University
- Ed.D., Oakland City University
- rachelsvedawebb@jalc.edu – Ext. 8275

Kimberly Swinford, Instructor of Dental Assisting
- Occupational Certificate in Dental Assisting

- kimswinford@jalc.edu – Ext. 8690

Jason Tanner, Professor, Business
- B. S., Southern Illinois University
- M.S., Southern Illinois University
- Ph.D., Southern Illinois University
- jasontanner@jalc.edu – Ext. 8170

Jessica Taylor, Associate Director of Payroll
- B.S., Southern Illinois University
- jessicataylor@jalc.edu – Ext. 8614

Kassandra Teal, Coordinator of Logan Fitness
- B.S., Southern Illinois University
- M.S., Southern Illinois University
- kassandrateal@jalc.edu – Ext. 8557

Chris Thornton, Instructor of Music
- B.M., Murray State University
- M.M.E., Murray State University
- johnthornton@jalc.edu

Allison Threet, Coordinator of Social Services
- B.S., University of Southern Indiana
- M.S.W., University of Southern Indiana
- allisonthreet@jalc.edu – Ext. 8492

Marilyn Toliver, Professor, Early Childhood Education
- B.S., Southern Illinois University
- M.S., Southern Illinois University
- Ph.D., Southern Illinois University
- marilyntoliver@jalc.edu – Ext. 8468

JaDean Towle, Manager of Scholarships
- A.A.S., John A. Logan College
- B.S., Columbia Southern University
- jadeantowle@jalc.edu – Ext. 8355

Tammy Valette, Assistant Professor, CNA/Nursing
- B.S., University of Southern Indiana
- M.S., Western Governor's University
- tammyvalette@jalc.edu – Ext. 8620

Sonya Vukadinovich, Nursing & Allied Health Student Success Liaison
- A.A.S., Northwest State Community College
- B.S.N., Ohio University
- sonyavukadinovich@jalc.edu – Ext. 8470

Rose Walker, Instructor of Nursing
- A.A.S., John A Logan College
- B.S., Southern Illinois University
- B.S., Western Governor's University
- rosewalker@jalc.edu – Ext. 8010
-

Scott Ward, Director of Enterprise Systems
- B.A., Blackburn College
- scottward@jalc.edu – Ext. 8114

Nina Wargel, CCRR Coordinator of Quality Services
- B.S., University of Illinois
- ninawargel@jalc.edu – (618) 985-5976 – Ext. 1229

Scott Wernsman, Dean of Career & Technical Education & Workforce Training
- A.A., Kaskaskia College
- B.S., Eastern Illinois University
- M.B.A., Lindenwood University
- scottwernsman@jalc.edu – Ext. 8403

Allan Willmore, Chief of Campus Police
- A.S., John A Logan College
- B.S., Southern Illinois University
- **allanwillmore@jalc.edu** – Ext. 8162

Donald Winget, Counselor
- B.A., Southern Illinois University
- M.S., Southern Illinois University
- donaldwinget@jalc.edu – Ext. 8030

Kristin Yosanovich, Dean of Health Science & Director of Nursing
- A.A.S., Kaskaskia College
- B.S., McKendree College
- M.S., University of Southern Indiana
- D.N.P., McKendree University
- kristinyosanovich@jalc.edu – Ext. 8455

Crystal Young, Assistant Professor, Certified Nursing Assistant

- A.A.S., John A. Logan College
- B.S., Southern Illinois University - Edwardsville
- crystalyoung@jalc.edu – Ext. 8105

Cooperative Mining Technology (CMT) Program

Sibyl Janello, Coordinator of Records and Registration

Michelle McLaskey, Program Assistant

Laurel Taylor, Associate Dean of Mining

Carrie Thomas, Program Assistant