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1978-77 bulletin



COLLEGE CALENDAR

FALL, 1976

Faculty Meetings

New Student Orientation and Registration
Continuing Student Orientation and Registration
Instruction Begins
Holiday—Labor Day
Holiday—Labor Day
Mid-Term
Academic Advisement—No Classes
Early Registration of Presently Enrolled Students
for Spring Semester
Thanksgiving Recess
Final Examinations

SPRING, 1977

New Years Day Winter Intersession

Registration and Orientation
Instruction Begins
Holiday—John A. Logan's Birthday
Mid-Term
Academic Advisement—No Classes
Early Registration of Presently Enrolled Students
for Summer and/or Fall Semester

January 13-14

January 17

February 9

March 10

Spring Vacation
Holiday—Good Friday

Final Examinations
Spring Intersession
Memorial Day

SUMMER, 1977

Registration and Orientation Instruction Begins Holiday—Independence Day Mid-Term Final Examinations

January January 3-1	November 24-2 December 13-2 December 2	August 18-1 August 18-1 August 2 August 2 August 2 Cotober 1 October 22-2 October 25-2
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March 11-12 March 14-18 March 21-25 April 8 May 12-20 May 23-June 13 May 31

June 10 June 13 July 4 July 11

August 5-6

John A. Logan College Carterville, II. 62918 618 985-3741

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THE BOARD

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FACULTY	OCCUPATIONAL	BACCALAUREATE	COURSE DESCRIPTIONS	CONTINUING EDUCATION	OCCUPATIONAL	BACCALAUREATE	CURRICULUM	STUDENT ACTIVITIES	FINANCIAL AIDS	STUDENT SERVICES	RADUATION REQUIREMENTS	ACADEMIC POLICIES	TUITION AND FEES	ADMISSIONS	LEARNING RESOURCES	THE COLLEGE	
154	120	92	92	81	43	32	32	27	23	21	19	15	14	14	12	7	

ACCREDITATION

North Central Association of Colleges and Schools

RECOGNITION

Illinois Community College Board

APPROVED

Veterans Administration For The Training of Veterans

INSTITUTIONAL MEMBERSHIPS

American Association of Community and Junior Colleges

Association of Community College Trustees

Illinois Community College Trustees Association



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board of

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OFFICERS OF THE COLLEGE

Standing, L-R Student Services; Jim Bales, Dean of Business Services Harold R. O'Neil, Dean of

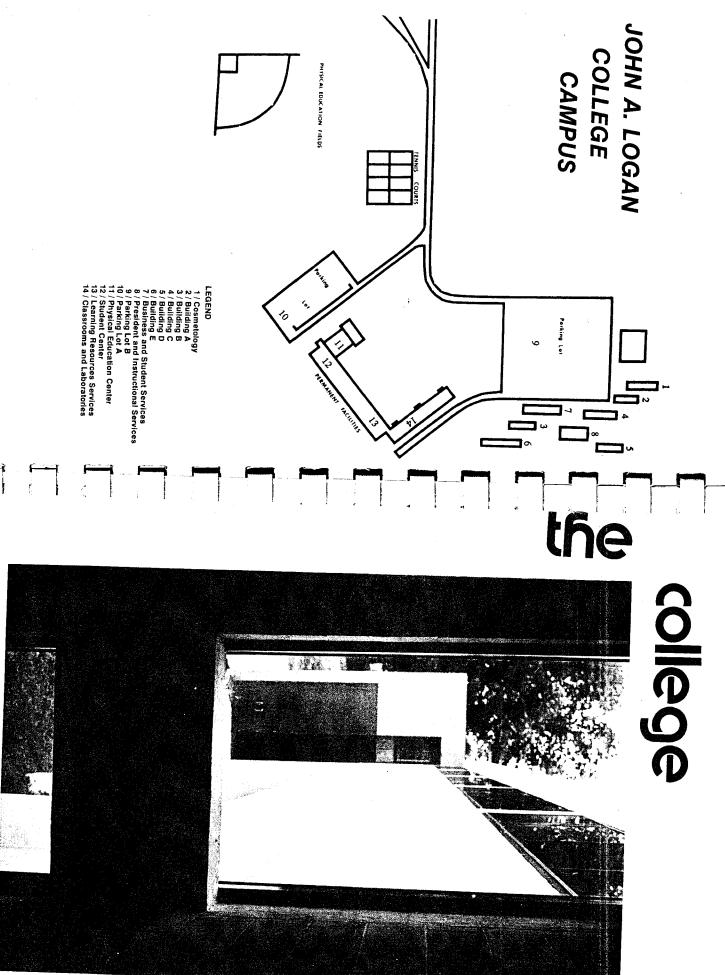
Seated, L-R Jack D. Hill, Dean of Instruc-tional Services; Robert E. Tarvin, President

Standing, L-R

Jerome Alongi (Vice Chairman), Donald I. Raines, Donald L. Brewer, Richard W. Hunter.

Seated L-R

Anthony E. Fletcher (Student Representative), Clifford Batteau, Edmond Aken (Secretary), Sue Mills (Chairman).



September 16, 1967, marks the birth date of John A. Logan College. On that day, the electorate registered a mandate for higher education by supporting a popular referendum to establish the college and to provide for its perpetual financial support. The college district as originally established was composed of all of Williamson County, most of Jackson County, and portions of Franklin and Perry Counties.

Establishment of the college was the culmination of months of preparatory action by dedicated citizens in formulating plans, organizing a steering committee, conducting a feasibility study, and finally, petitioning for authority to conduct the popular referendum. The petition was approved on April 14, 1967.

Following the referendum, a seven-member Board of Trustees was elected. The Board held its organizational meeting early in December, and unanimously elected Rannie L. Odum as its first chairman.

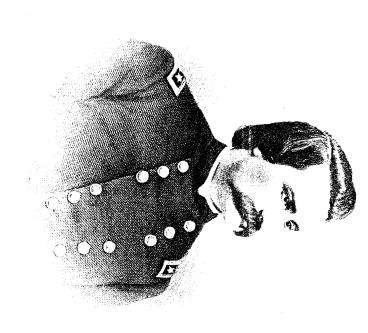
In 1968, Nathan A. Ivey was selected by the Trustees as the institution's first president, and the college was named for general John A. Logan.

Classes were held for the first time in September 1968, with 238 full-time equivalent students enrolled. The first student body consisted of freshmen only and classes were conducted at several locations in the City of Herrin.

The first academic year was an eventful one. One of the highlights, of course, was the acquisition of a permanent site, a beautiful 161-acre tract fronting Highway 13 just west of Carterville. On April 12 the following year, the voters of the district supported a bond referendum to provide nearly three million dollars to help finance the construction of a permanent building of 130,497 square feet.

The college began operations on its new campus in the fall quarter of 1969 in newly constructed interim facilities. The permanent facilities were occupied during the fall quarter, 1973. On March 1, 1975, Robert E. Tarvin was named president of the college.

With the 1974-75 academic year, the Trico High School District, located partially in Randolph County, was added to the eleven original school districts comprising the John A. Logan College District.



Just one week after the bloody battle of Shiloh fought in April, 1862, a young Illinois volunteer soldier wrote to his brother announcing:

"We have now a new General for our brigade — John A. Logan..."

Over one hundred and six years later, the Board of Trustees of Illinois Junior College District No. 530 announced the naming of one of Illinois' newest institutions of higher learning for John A. Logan.

John Alexander Logan is remembered as both a soldier and a statesman. Yet, in naming the college in his memory, it is fitting to recall that he was first a native son of Southern Illinois and our college district. Unquestionably. John A. Logan exhibited many of the attributes of character that Americans have traditionally admired, and we would hope that all associated with this pioneering effort, in years to come, would continue to find these personal qualities worthy of emulation.

STATEMENT OF PHILOSOPHY AND PURPOSES

John A. Logan College is committed to the concept of providing a high-quality, comprehensive educational program, designed to serve the educational needs and aspirations of all the people in the college district. An integral part of this commitment is an open-door admission policy. While this policy provides educational opportunities for all, it does not imply that all curricula are equally appropriate to each student.

The college recognizes that open-door admissions means educational opportunities for a wide variety of students with many and varied educational and career goals. Consequently, it is imperative to provide a comprehensive program of counseling and guidance to assist the individual to assess his capabilities and interests realistically.

Inherent in the open-door policy is the commitment to provide the program and services at a cost that will not be prohibitive to any individual seeking to further his education.

The instructional program embraces a broad range of curricula designed to meet the individual needs of the student.

This program includes:

- a. Academic courses equivalent to the first two years of a four-year program in liberal arts and sciences or a pre-professional field. These courses are specifically structured for transfer to the senior institution of the student's choice.
- b. General education appropriate for those who will terminate their postsecondary education in two years or less and courses within either baccalaureate-oriented or occupation-oriented curricula designed to contribute to the liberal education of each student.
- c. Occupational programs designed to provide the technical knowledge, manipulative skills and general background necessary to successful achievement in technical and semi-professional employment.
- d. Developmental courses designed to help the student improve his skills and specific weaknesses.
- e. Adult and continuing education courses, both credit and non-credit, to meet students' needs for vocational advancement in their fields of employment, for avocational interests, and for community, cultural, and social development.

The emphasis on adult and continuing education may legitimately be viewed as only part of a broader relationship in which the college becomes an integral part of the community. The college utilizes the resources, talents, and opportunities of the community to the greatest possible extent, and

in turn offers to the community its facilities, faculty, and intellectual stimulation. The program encompasses academic, social, cultural and recreational activities.

In addition to its relationship with the community at large, the college emphasizes its specific relationships with other educational institutions of the area. Vertically, the college develops its programs in conjunction with high schools, with other institutions of higher education, and with vocational-technical career opportunities. Horizontally, the college cooperates with neighboring colleges and universities to see that comprehensive programs are made available without needless duplication.

John A. Logan College, in summary, is dedicated to the ideal of the comprehensive community college. It seeks to provide the maximum educational opportunity to all the residents of the district.

AFFIRMATIVE ACTION-TITLE !

John A. Logan College is an Equal Opportunity/Affirmative Action institution. Admission of students shall be without regard for race, color, religion, sex, age, or national origin. Financial aid, student employment, curriculum requirements, extra-curricular participation, counseling, placement services, and athletic programs shall be available to all students on an equal basis.

The College is also committed to nondiscrimination on the basis of race, color, religion, sex, age, or national origin in employment, promotion, tenure, salary, fringe benefits, and due process in all classifications of employment. Further, affirmative action is being undertaken to insure, on a projected time schedule, equitable representation among under-represented groups as may be revealed by an employment utilization analysis.

Requests for further information or complaints should be directed to Dr. Blanche C. Sloan, President's Office, John A. Logan College, Carterville, Illinois 62918.

THE STATUS OF ACCREDITATION

John A. Logan College was accredited by the North Central Association of Colleges and Secondary Schools in March, 1972. The college achieved accreditation in just four years, a distinction it enjoys exclusively among Illinois public community colleges. Achieving full accreditation means the attainment of significant educational standards of quality and excellence which are recognized and respected among the institutions of higher learning.

THE LEARNING RESOURCES SERVICES

Learning Resources Center

The L.R.C. plays a vital role in the instructional programs of the college As the materials center for the college it provides books, magazines, pamphlets, microfilm, filmstrips, slides, films, records, audio tapes, video tapes, and programmed instruction units. The L.R.C. is also a service center providing assistance in reference and research, in the use of audio-visual materials and equipment, and in independent study activities.

Library Services

The main reading area is located on the lower level and provides a collection of books, microfilm pamphlets, maps and phonograph records. Library Services supervise the circulation of materials from this area and supervise materials placed on reserve. A copy machine is provided in this area. Study carrels and tables are located in this area. Conference rooms for group study are located on the upper level near the entrance.

Media Services

Media Services provide supervision of the scheduling and distribution of the audio-visual equipment and instructional materials used in class-rooms and distribution of instructional programs over the closed-circuit television system. Another function of Media Services is media production. The Media Production staff work with faculty and students to produce instructional media aimed at making instruction more effective. The photographic and graphics area design and assist in production of institutional graphics, publications and instructional media.

Learning Laboratory

This facility is located on the upper level of the L.R.C. area. The mission is to provide those materials and equipment needed by students working on an individualized study basis.



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POLICY ON ADMISSION

To be eligible for admission, students must have graduated from an accredited high school or attained the equivalent educational level as determined by the college. Nongraduates may apply for admission if scholastic records, test scores, and other data indicate to the satisfaction of the college that the student will be able to do college level work. Satisfactory completion of the General Educational Development test may be accepted in lieu of a high school diploma. All new students are expected to take counseling and placement examinations as advised by the Office of Admissions. Counselors will utilize the results to advise, recommend, and, in certain cases, require students to enroll in particular courses or programs of study. An applicant for admission as a full-time student must submit a health examination form prior to beginning classes. The form for this purpose is provided by the college.

All students must provide transcripts of high school work and transcripts of credits earned at other colleges or universities.

Transfer Students

Any person who has been suspended or expelled for academic or disciplinary reasons from another college or university will not be eligible for admission to John A. Logan College for a minimum of one semester from the date of that suspension or expulsion, or the length of the suspension, if it is more than one semester. After this date, the applicant for admission will be granted a decision on an individual basis.

Transfer students in attendance at another college or university, who have not attained a 3.0 point on a 5.0 scale, in their last 3 quarters (or 2 semesters) are not eligible for admission to John A. Logan College for a minimum of one semester from the time of their last attendance.

Any student admitted to John A. Logan College who has attended another college will be classified academically in one of the following categories:

- 1 GOOD STANDING—A student transferring credit with a grade point average of 3.0 or more on a 5.0 point grading scale.
- ACADEMIC PROBATION—A student who has attended another college or university for one or more semesters and who does not have a 3.0 point on a 5.0 point scale during his last semester of full time attendance at that school.

SCHEDULE OF TUITION AND FEES

Tuition

IN-DISTRICT STUDENTS-\$5.00 per semester hour.

OUT-OF-DISTRICT—an out-of-district student may qualify for tuition on the same basis as an in-district student if the community college district in which the student resides agrees to pay the per capita cost of such student, less the state apportionment and the tuition charged the student. Out-of-district students who fail to meet this requirement must pay the per capita cost, less state apportionment.

OUT-OF-STATE STUDENTS—must pay the pro rated per capita cost.

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APPLICATION FOR ADMISSION—No fee required.

STUDENT SERVICES FEE—No fee required

LATE REGISTRATION FEE—Any person registering as a full-time student after instruction has begun will be charged a \$5.00 non-refundable late fee. This fee is not covered by Illinois State and Military Scholarships.

Refunds

- A. Students making a complete, official withdrawal from school during the first two weeks will be refunded according to the following schedule: First week—70 percent Second week—50 percent
- After the second week of the semester, there will be no refund.

 B. There will be no refund for a student who drops one or more classes, but remains in attendance, unless the change is requested by the college.

ACADEMIC POLICIES

President's Honor List

At the completion of each semester, the President's office will publish a President's Honor List of academic achievement. Any full-time student who has a 5.0 point average for that semester will receive recognition by being placed on the President's Honor List.

Dean's Honor List

At the completion of each semester, the office of the Dean of Instructional Services will publish a Dean's Honor List of academic achievement. Any full-time student who has a 4.5 average for that semester will be placed on the Dean's Honor List.

Academic Probation

Any full-time student who, at the completion of any semester of attendance at John A. Logan College, fails to achieve a 3.0 average for the semester will be placed on "academic probation" status. Academic probation status will be initiated by the Dean of Student Services and will indi-

cate that a student be required to achieve a 3.0 average as a full-time student for course work taken during his next semester of attendance to regain "good academic standing."

Academic Suspension

At the completion of the second semester of full-time attendance, any student who has been on academic probation and does not achieve a 3.0 average for the second semester will be placed on academic suspension for a minimum of one semester.

If a student is placed on academic suspension by the Dean of Student Services, he may appeal this decision in writing to the Scholarship Committee of the college. This written appeal should be initiated in the Office of the Dean of Student Services.

Schedule Changes and Withdrawals

Permission to change schedules must originate in the Office of Admissions and Registration. The official change of program slip will originate with the counselor. Students may officially withdraw from a class within the first five days of a semester with no mark recorded. No new course may be added after the fifth day of each semester.

A student making an official withdrawal between the end of the first week and the end of the tenth week, will be given a "W" grade. A student making an official withdrawal after the tenth week must be passing in order to receive a "WP." If not passing, the grade will be recorded as "WE."

Any student who does not make an OFFICIAL WITHDRAWAL but merely ceases attending a class, will receive a grade of "AB" which is counted as an "E" for all grading purposes.

No partial withdrawal will be allowed 3 weeks prior to the end of the semester.

Late Enrollment

Late enrollment is allowed during the 1st 5 days of each term.

No student is officially enrolled until his fees are paid. No student may enroll in a class after the first week of classes.

Credit Hours

The academic year is divided into two semesters. The college also has a shortened summer term. Course credits are recorded in semester hours. The number of credit hours in each course is shown in the course description.

A normal student load is 16 semester hours each semester. A student must carry at least 12 hours to be classified as a full-time student. If he

carries fewer than 12 hours, he is classified as part-time. A student who desires to carry more than 18 semester hours must have permission from the Dean of Student Services.

Grading System

	INC. Incomplete. May be made up at the discretion of the instructor. The	_	C Fair grade points	B Good4 gr	A Excellent 5 grade points	
maximum time for making up an "Inc." is one semester, otherwise the	etion of the instructor. The	2 grade points	3 grade points	4 grade points	5 grade points	

W Authorized withdrawal no later than the last day of the tenth week of the semester. No grade points-no credit.

WP Authorized withdrawal after the tenth week of the semester with a passing mark. No grade points-no credit allowed.

WE Authorized withdrawal after the tenth week of the semester with failing mark. Same as an "E"—I grade point-no credit.

AB Unauthorized withdrawal. Same as "E" — 1 grade point-no credit

AU Audit. No credit.

DEF Deferred. Used only for students enrolled in open-entry open-exit classes whereby the work is of a continuing nature. No grade points-no credit.

Course Repeat Policy

The policy states (1) that students be allowed to repeat courses in which "D" or failing grades are received. Subsequent repeats of the same course will be allowed only in cases where failing grades are received. (2) in instances where a student repeats a given course, the grade previously received in that course will be marked through on the student's transcript and will not count in the computation of the student's overall grade point average. The last grade received by the student for that course will be recorded on the student's transcript and will count in the computation of the student's overall grade point average. In cases where a "W", "WP", or "Inc." is received as a result of a student repeating a course, previous grade in that course will not be marked out and will continue to be used in the overall grade point average.

Proficiency Credit Policy

Procedure. A student wishing to make application to take a proficiency examination should initiate the request with a counselor. After receiving

approval from the counselor, the student should pay the appropriate fees in the Business Office and then deliver the forms to the appropriate Associate Dean who will schedule the examinations.

Fee. A tuition fee of \$5.00 per credit hour will be charged for all in-district students prior to the scheduling of a proficiency examination. This tuition fee is non-refundable. Out-of-district students will be assessed a fee consistent with their tuition charges.

General Rules Governing Proficiency Examinations

- Any student who feels qualified to take a proficiency exam is eligible to apply.
- 2. Credit not to exceed 16 semester hours.
- Recording grades and credit. If a student earns proficiency credit, his
 record will show the course number, title, hours of credit granted, the
 grade, and a notation "credit granted by proficiency examination."
- a. If a student passes a proficiency exam with a grade of "A" or "B," he will be granted credit hours, the grade will be recorded, and will count in the student's grade point average.
- b. If a student received a grade of "C," "D," or "E" on a proficiency exam, he will receive neither credit nor grade points. His record will reflect nothing regarding the exam; however, the proficiency exam grade form will be filed in the student's folder for future reference.
- 4. A student may not take a proficiency examination for the same course more than one time. Neither may he take a proficiency exam in a course in which he has previously received a grade or which he has audited.
- No credit granted by proficiency examination will be recorded until the student has earned at least 12 hours of credit of "C" grade or higher at John A. Logan College.
- 6. A student is ineligible to take a proficiency exam for a course in which he is presently enrolled after the close of the drop period.
- 7. Courses for which students may obtain proficiency credit and details of the examinations will be determined by individual departments.

Attendance

Students are expected to attend every class period for which they are registered. There are no excused absences or minimum number of class "cuts". All absences must be made up in a manner acceptable to the instructor. A student who is absent from a class for three consecutive meetings, without prior approval by the instructor or Dean of Students, will not be readmitted to class without an "Admit Slip", from the Dean of Students. A student who claims illness as a cause for excessive absence should be prepared to present a statement from a physician. The Office of Student Services should be notified when extensive absences due to illness, hospitalization, or death in the family are necessary. Work missed for any reason must be made up in a reasonable period of time upon return to classes.

GRADUATION REQUIREMENTS

The following associate degrees are granted by John A. Logan College:

Associate Degree in Arts Associate Degree in Science Associate Degree in Applied Science Associate Degree in Technology

General Requirements

To be awarded one of the above degrees, a student must:

- Have a minimum grade point average of 3.0
- 2. Successfully complete American Government 131
- Be registered as a student for a minimum of sixteen semester hours at sophomore standing.
- 4. Complete a minimum of 62 semester hours of credit.
- 5. Make application for graduation and pay a \$10.00 graduation fee

Degree Requirements

- The Associate in Arts and the Associate in Science degrees are available to each student who meets the requirements of a college transfer program. The degree requirements are outlined in the College Bulletin.
- 2. The Associate in Applied Science Degree will be awarded to graduates completing an approved two-year occupational curriculum.
- The Associate in Technology Degree will be granted upon successful completion of the requirements specified in the curriculum for the specific program.

Certificates

The Certificate of Achievement will be granted to those students who successfully complete one of the following prescribed programs. Accounting, Clerk-Typist, Cosmetology, Construction Management Technology, Drafting, Agricultural Mechanics, Practical Nursing, Machinist, Nurse Aide and Orderly, Stenographer, Automotive Mechanics, Bookkeeper-Clerical, Accounting, Agricultural Supply and Services, and Welding or a special program and who are recommended by the department having cognizance of that program.

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STUDENT SERVICES

The philosophy of the Student Services Program at John A. Logan College is to aid in the total educational development to the fullest extent of the students' intellectual, social, personal, and vocational capabilities. By providing various auxiliary services to the student, it is hoped that this philosophy will become a practical reality for all students who attend John A. Logan College.

Counseling Service

The important number is "one" at John A. Logan College. All groups, regardless of group objectives, are made up of individuals, and the staff of John A. Logan College endeavor to keep this fact uppermost in mind. Thus faculty, advisors, counselors, and administrators are available to assist individual students with matters relating to educational and vocational planning, adjustment to college, study skills, and personal and social problems.

Academic Advisement

Every student admitted to John A. Logan College will be assisted prior to and during registration in developing his educational and vocational plans. This service will be provided by a counselor or academic advisor. These people will be available throughout the year to help the student with problems which may interfere with his progress toward his goals and objectives.

Personal Counseling

Quite often students need assistance with social and personal problems as well as academic problems. For this reason, professionally trained counselors are available to help the student understand and resolve these problems. At some time in life everyone is faced with personal problems. It is a mark of intelligence to recognize these problems and to seek professional assistance.

Testing

All full-time and transfer students under the age of twenty-nine are generally required to take the American College Testing Program (ACT) prior to final registration. Information about this test is available at all high schools or the Admissions Office of John A. Logan College.

This test serves two basic purposes

- To help the student to understand his abilities better and to assist him in planning realistic educational goals.
- To provide information for faculty and counselors to plan and implement a realistic curriculum for the student.

The results of this test are confidential and have no bearing on the admission of a student to John A. Logan College.

Individual Testing

Individual testing is available and is administered by the Office of Student Services. These tests can assist a student in discovering abilities and aptitudes in various areas.

Student Health Services

All full-time students are required to have physical examinations. Physical examination forms are provided in the Admissions Packet. A student should consult a physician of his choice for this examination. Completed forms must be returned to the Student Services Office not later than the first day of classes. Student accident insurance is available on a voluntary basis to all students. Information concerning this insurance will be given to students during the first week of each semester.

Housing

Basically, John A. Logan College is a local area institution serving students who live within commuting distance of the college. The college does not maintain dormitories or other housing facilities. The college does not accept any responsibility for supervising students who are living in rented facilities.

Off-Campus Employment and Placement Service

The college strives to assist students to find employment in private business and industry within the district. Students who wish to work in the local business community while attending John A. Logan College should complete a personal data form in the placement office of the Student Services Division.

The college maintains a placement service to assist graduates of the Division of Occupation Oriented Education to find full-time employment commensurate with their college training. This service is made available to students when they make application for graduation, and is continued after graduation by calling the college and requesting the placement service to activate their files.

Student Financial Aids

The objective of John A. Logan College in developing a financial aid program is to assist in the removal of financial barriers to post secondary education. To accomplish and maintain this goal, the college endeavors to provide financial assistance for students through the John A. Logan College Foundation scholarships. Basic Educational Opportunity Grants, work-study, Illinois Guaranteed Loans, Illinois State monetary awards, and veterans benefits. Moreover, the taxpayers of Community College District No. 530 and the State of Illinois endorse a major portion of the cost of attending John A. Logan College by providing financial assistance through low tuition charges. Therefore, financial assistance at the college is designed to complement the student's resources rather than to finance his education totally.

Financial Aid Application Procedures

To determine financial need priorities, the college utilizes the Financial Aid Service of the American College Testing Program.

Each student seeking financial assistance at John A. Logan College must complete these application procedures:

- Complete the ACT Family Financial Statement and submit this form to the appropriate address for processing.
- Obtain, complete and forward the application for financial assistance to the Office of Financial Aids at John A. Logan College.
- The ACT Family Financial Statement, application for financial assistance and procedures for admission must be completed before individual consideration for financial assistance can be finalized.

Applications for financial assistance may be obtained from a high school counselor within the college district or from the Coordinator of Financial Aids at the college. The completed application along with the processed ACT Family Financial Statement should be received by the Office of Financial Aids by May 15 for aid to begin in August. However, applications for financial assistance will be accepted throughout the year.

John A. Logan College Sponsored Financial Aids

John A. Logan Foundation Scholarships

Community-minded citizens and organizations of Community College District No. 530 have established funds for a college scholarship program for students of John A. Logan College.

These scholarships are administered by the John A. Logan College Foundation through the existing college Scholarship Committee, scholarships are awarded to those eligible students demonstrating financial need and for academic excellence as well as for service to school and community.

Student Senate Emergency Loan

The John A. Logan College Student Senate has established limited funds for an emergency loan program. Under this program short-term emergency funds are available to aid students in case of emergency needs for unexpected expenditures relating to the academic process. Individual loans are limited to \$25 with a minimum repayment period of sixty days.

To qualify for an emergency loan an applicant must be enrolled for a minimum of eight semester hours, have a specific source of funds with which to repay the loan, and demonstrate good academic standing.

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State of Illinois Sponsored Financial Aids

Illinois Guaranteed Loan Program

The Illinois General Assembly has authorized an Illinois loan program to guarantee student loans made by eligible lenders such as banks, savings and loan associations, and credit unions. To qualify for this program, an applicant must be a resident of the state of Illinois and be accepted as at least a half-time student at an approved college. An eligible student may borrow from a minimum of \$150 up to \$1,000 during his freshman year, \$1,500 during his sophomore year, and up to \$2,500 for each academic year thereafter. Loans to undergraduate students shall not total over \$7,500. A loan will not be granted in an amount which exceeds the established educational expenses at the eligible school selected by the student.

The interest rate is 7 percent simple interest. If the student deomonstrates financial need, the federal government will pay the interest while the student is enrolled full-time. During the repayment period, the borrower is responsible for payment of the principal and interest. Also, the repayment period may be extended to a minimum of ten years. Deferments of up to three years may be requested, if the borrower is a member of the armed forces, Peace Corps, VISTA, or is returning to full-time study. To qualify for a loan, an applicant must acknowledge an understanding of the responsibilities of the loan and agree to honor them. Applications for loans may be initiated at a local participating bank, savings and loan associations, or credit union, or at the Office of Financial Aids.

Illinois Scholarship and Grant Programs

John A. Logan College is approved by the Illinois State Scholarship Commission to honor scholarships awarded to a number of well-qualified high school graduates of Illinois. High school seniors are chosen for these scholarships on the basis of ACT examination sub-scores, high school rank-in-class at the end of six semesters, and financial need. Awards are granted in amounts up to \$1,500 to be used toward tuition and fees for full-time undergraduate study. The amount of an award is based on the commission's evaluation of financial data submitted by the student and/or his parents. However, no award will exceed the actual cost of tuition and mandatory fees at the selected college or university.

The College is also approved by the Illinois State Scholarship Commission to honor monetary awards given to eligible students under the Illinois Grant Program. To be eligible for a monetary award each applicant must be a resident of the state of Illinois, eligible to enroll as a half- or full-time undergraduate student, maintain good academic standing, and demonstrate financial need as determined by the commission from income data submitted in his application. Awards will not be granted in an amount that exceeds the actual in-district cost of tuition and mandatory fees.

Monetary awards in the form of scholarships and grants may be used at the approved Illinois college or university selected by the student. Both are

granted for one year. Each recipient, upon satisfactory completion of one academic year, may renew his scholarship or grant on a yearly basis for a maximum of three academic years.

Illinois State Veterans Scholarships

Refer to scholarship description listed under Veterans Educational Benefits

Department of Vocational Rehabilitation

Students with physical or mental disabilities which constitute a substantia vocational handicap are eligible for scholarships covering tuition and fees Other aid may also be provided when financial need is shown.

Illinois Department of Public Aid

Individuals receiving public aid may receive financial assistance in completing a college degree. A recipient should contact his caseworker for further information. The Department of Public Aid will pay books, tuition and fees.

Federally Sponsored Financial Aids

Basic Educational Opportunity Grant

The Basic Grant, established by the Higher Education Act of 1972, provides for an award of \$1,500 less parental or family contribution for students attending college.

For information on how to apply for the Basic Grant, students should contact the Office of Financial Aids.

Social Security Benefits

Social Security Benefits may be used at John A. Logan College. Students should consult with the Social Security Administration to determine their eligibility.

Veterans Educational Benefits

Benefits for Veterans' Dependents

John A. Logan College students who are dependents of disabled or deceased veterans (service connected) may be eligible to receive a monthly assistance allowance from the V.A. Those who qualify or desire information about the program should contact the coordinator of Veterans Affairs.

Benefits for Veterans

John A. Logan College is approved by the VA to provide training for veterans. Qualified veterans may receive financial assistance on a monthly basis determined by academic loan and number of dependents. Basic eligibility requirements include at least 181 days active duty after January 31, 1955, with a discharge other than dishonorable. For assistance in applying, contact the coordinator of veterans affairs.

Illinois State Veterans Scholarships

Illinois veterans who have served in the military service after September 16, 1940, and have an honorable discharge from such service may receive free tuition and fees for four years.

College Work Study Program

The Federal College Work Study Program was authorized by the Economic Opportunity Act of 1964 and amended by the Higher Education Act of 1972. The Federal Government and the college provide funds for part-time employment opportunities for students. Priority for this program is given to individuals demonstrating the greatest financial need.

John A. Logan College also participates in the Vocational Work Study Program.

STUDENT ACTIVITIES

John A. Logan College considers organized student activities to be an integral part of the college's educational program. In essence, the college believes that participation in student activities enhances the student's total educational growth. The college further believes that student activity programs should provide rewarding experiences derived from living and working in groups comprised of individuals from all walks of life.

It is believed that student activities provide for intellectual and cultural development, thereby laying the foundation for leadership and self-expression of the democratic processes.

Intercollegiate Athletics

John A. Logan College is a member of the National Junior College Athletic Association and the Southern Illinois College Conference. Southern Illinois College Conference members include Rend Lake College, Ina; Kaskaskia College, Centralia; Southeastern Illinois College, Harrisburg; Wabash Valley College, Mt. Carmel; and Shawnee College, Ullin.

Intramural Program

intramural athletics at John A. Logan College afford the entire student body an opportunity to enjoy competition in a truly democratic way. Organized to provide a wide range of activity, intramural athletics offer many events that will challenge the interest of every student. Students are organized competitively, with the emphasis on student participation and leadership.

Several objectives and guiding principles give direction to the faculty in their efforts to be of maximum service to students. They are as follows:

 To encourage self-participation, transforming the students from passive spectators into active performers.

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- To offer a variety of activities balanced between adolescent and adult sports to meet present interests and future needs.
- To provide incentive to a much larger number of those most in need of competitive experience, on an equal basis with fellow students.
- 4. To develop desirable social relations and attitudes through intramural participation by upholding high standards of sportsmanship, fair dealing with all individuals and groups, and opportunities for leadership and cooperation.

Student Organizations

STUDENT SENATE—The official student governing body is known as the Student Senate. The collective organization of all students at John A. Logan College is called the Unified Students of Logan College.

Officers for this organization are elected by the student body during the Spring Semester of each year. This organization concerns itself with student affairs, sponsors various social activities, and strives to develop and maintain acceptable conduct within the student body.

STUDENT PUBLICATIONS—Student publications on campus are a weekly newsletter and a college yearbook.

COLLEGE CHOIR—The College Choir will perform for Honors programs, graduation ceremonies, and various other programs both for students and other groups throughout the district.

CHEERLEADING—Cheerleaders are selected each year to lead the student body in cheers at athletic events. Goals of this group are to support athletic teams, promote school spirit, and assist in school activities.

PHI THETA KAPPA—The local chapter of Phi Theta Kappa was initiated in January 25, 1970. This national organization was founded in 1918, and is the junior college equivalent of Phi Beta Kappa, the national honorary scholastic fraternity. Phi Theta Kappa provides recognition for academic excellence as well as opportunity for intellectual enrichment, social activities, and service to the college. The local chapter, Upsilon Pi, issues invitations periodically to eligible members.

FORENSICS CLUB—This organization is for students interested in debate, extemporaneous speaking, original oratory, oral contribution, and all aspects of speech activities. The club takes part in various speech tournaments with other colleges during each academic year.

PHI BETA LAMBDA—Phi Beta Lambda is a national organization for college students who plan to enter careers in business or in business teaching. The organization has chartered over 390 chapters in the United States and has a membership of more than 11,500 college students. The club organizes during the second week of fall semester each year. All business students are invited

to attend and join. Sponsorship is by the members of the business department.

VETERANS CLUB—The Veterans Club provides assistance to all veterans enrolling in college for the first time or veterans re-entering college after military service. The club sponsors various activities throughout the school year and strives to improve environmental conditions on the campus.

BASIC (Brothers and Sisters in Christ)—BASIC functions to provide an opportunity for students to formulate activities and programs which will contribute to their academic, social and spiritual development. The group participates in state and national conventions, and seeks to emphasize the needs of individuals in our society and the world.

BIOLOGY CLUB—The Biology Club provides opportunities for excursions into nature and provides an enriched environment for students preparing fbr careers in the biological sciences.

MARKETING CLUB—The general purpose of the Marketing Club is to further the study of business and marketing through exposure to elements of the business world not readily available in the classroom.

LOGAN CHESS CLUB—The Chess Club is designed to give members the opportunity to increase their exposure to various styles of chess play and to improve their chess skills and patterns of play—thus, their enjoyment of the game.

LOGAN NURSES—The Logan Nurses Club's function is to provide an effective organization within the nursing field, which will enhance the understanding and knowledge of the nursing profession as it is today and to sponsor various activities, both educational and social, whereby the organization members may work together toward common goals.

INSTRUMENTAL MUSIC ENSEMBLES—The Symphonic Band and the Stage Band give public performances throughout the year.

THEATRE GUILD—The Theatre Guild is designed to give students an opportunity to participate in theatrical productions, thereby allowing them to augment classroom studies. The Guild will also be the sponsoring organization for plays produced on campus.

STUDENT NEWSPAPER—The student newspaper is written primarily by the Logan journalism class with assistance from a faculty adviser. The paper is published twice monthly.

SOCIAL SCIENCE CLUB—The Social Science Club works with social service agencies in the Southern Illinois area in an effort to learn more about these agencies and the professional aspects of social work.

ART CLUB—The purpose of the Art Club is to maintain and enhance the students' interest in art. Throughout the year visiting artists will be invited

to the campus and students will have the opportunity to visit nearby galleries. The Club will also host an annual art show and sale.

CULTURAL ARTS PROGRAM—The John A. Logan College Cultural Arts Program is in its fourth year. The program is designed to complement the educational and social programs of the college. The student is exposed to the expertise of specialists in experiences ranging through art exhibits - all media; local, national and international artists; music - dance troupes, musicals, concerts (instrumental and vocal); theatre - nationally known companies and our own theatre guild presentations. Speakers, lecturers, and films on many subjects including the political world, literature, philosophy, history, and life in foreign countries will be brought to the campus. Periodically the college will sponsor bus tours concentrated on scenic and historic areas in the mid-west.

All cultural arts programs are either free or at a very minimal cost to the student.



program

CURRICULA

educational divisions: Baccalaureate (Transfer) Oriented Education, Ocinstitution was established. Structurally, the college is organized into three cupation Oriented Education, and Continuing Education and Community The curricula of John A. Logan College reflect the purposes for which the

DIVISION OF BACCALAUREATE (TRANSFER) ORIENTED EDUCATION

priate courses each quarter and his future are up to him. He is responsible for registering for the approhis educational goal. The important decisions about a student's courses courses, but it is the student's responsibility to learn what is required for and faculty advisors will assist a student in making a proper selection of necessarily lose valuable time. The office of the Dean of Student Services careful in his selection of subjects during the first two years, he may un-Each curriculum has its own particular requirements. Unless a student is Students shall receive the Associate in Arts or Associate in Science Degree credits to a senior college or university to earn a baccaulaureate degree and are designed primarily for students who expect to transfer their college for students who wish to complete a two-year general education program The curriculum guides for the Division of Baccalaureate Oriented Education

is usually one-half the credit required for the degree A. Logan College toward the Bachelor of Arts or Bachelor of Science degree The maximum amount of credit which may be accepted on transfer from John

in one of several areas while pursuing an Associate Degree The baccalaureate oriented student at John A. Logan College may specialize

CURRICULUM GUIDES FOR BACCALAUREATE ORIENTED EDUCATION ARTS AND SCIENCES

have not decided on their majors should consult these same guidelines listed below. Students enrolled in the baccalaureate oriented division who on subsequent pages of the College Bulletin should follow the guidelines Students pursuing majors curricula other than those specifically outlined

	Speech 115	English Composition 101	Communications
6	3	3	Communications

Required Courses 52 Electives 10 62	Health (Waived for veterans—no credit awarded)	A minimum of six (6) semester hours of math is required, selected from the following math courses: Math 101, 110, 111, 120, 131, 201, 202, 208, 209, and 221.	Mathematics	Music 105 3 Philosophy (111, 121, or 131) 3 English Composition 102 3 Humanities Elective 3	Art 111 3 Music 105 3 English Composition 102 3 Humanities Elective 3 12	Humanities(Complete One)	13	History (Select any one) (101, 102, 105, 201, 202) Government 131 Psychlogy 132 Soc. Science Elective	13	History (Select any two) (101, 102, 105, 201, 202) 6 Psychology 132 Government 131 4	Social Science (Complete One)	. 12	Biological Science 101 3 Physical Science Science 6 6	Science
	rded)(3)	the followir	(a)	Art 111, Philosophy 111, 121, 131, or Music 105 English Composition 102 All Humanities Elective 12	Art 111 3 Philosophy (111, 121, or 131) 3 English Composition 102 3 Humanities Elective 3	12	ō	Government 131 4 Sociology 133 3 Psychology 132 3 Soc. Science Elective 3	13	Anthropology 111 3 Geography 112 3 Psychology 132 3 Government 131 4				

Foreign Language Students—up to eight (8) semester hours may be used as a humanities elective

FIRST YEAR

Credits Fall Semester

SECOND YEAR

English Comp. 101	Biological Science	Beg. Drawing 180	Fund. of Art 101	Art Appreciation 111	Fall Semester

	Intro. to Education 201	Political Science 131	English Comp. 102	(or Speech 115)	Beginning Painting 260	Life Drawing 255	Fund. of Art 100	Spring Semester		English Comp. 101	Biological Science	Beg. Drawing 180	ייים מיים
17 10		4	ω	2-3		ω	4	Credits	17	ယ	4	ω	4

17-18	1 Psychology 132	4 Health 110	3 Math Elective	2-3 Science Elective	(or Speech)	3 Beginning Painting 260	4 Sculpture 240	Credits Spring Semester	17	Western Civ. 101 or 102	3 Math Appreciation 101	4 Physical Science 105	3 Weaving 230	4 Ceramics 250	3 Art History 220
16-17	132 3	ω	ω	tive 3	2-3	ainting 260	0 2	ster Credits	17	101 or 102 3	iation 101 3	ence 105 3	N	0 2	20 4

Credits

Fall Semester

English Composition 102





Spring Semester

Physics 155

General Inorganic Chemis Math Appreciation 110 **English Composition 101**

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Math 111

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Physics 156

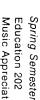
Qualitative & Quantitative







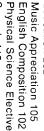




Credits 17-19

Spring Semester

Credits



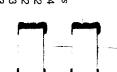








SECOND YEAR





CHEMISTRY

FIRST YEAR	

SECOND YEAR

•		Analysi						stry 101			
18	5	Analysis 102 5	Сп	3	Credits	18	5	ΟΊ	υı	ω	Credits
	Foreign Language or Humanities	Political Science 131	Calculus II 201	Organic Chemistry 202	Spring Semester		Foreign Language or Humanities	Organic Chemistry 201	Physics 201	Calculus I 131	Fall Semester
17	3	4	ຜ	5	Credits	18	ω	ഗ	ഗ	ر ت	Credits

ELEMENTARY AND SPECIAL EDUCATION

Math 101 or 110%	American Government 131	Biological Science 101	General Psychology 132	English Composition 101	Education 201	Fall Semester	FIRST YEAR
3-5	4	3	ω	3	_	Credits	
3-5 Art or Music Elective*	Science Elective	Literature Elective	U.S. History Elective	Math 208	Education 203	Fall Semester	SECOND YEAR
						Credit	

17	S	ယ	သ	ယ	ω	2
	P.E. Elective	U.S. History Elective	Science Elective	Art Appreciation 111	Literature Elective	Math 209

Special education majors should take Music 110 and Music 106

SECONDARY EDUCATION*

17	U.S. History 201 3 Science Elective	Political Science 131 4 Humanities Elective	Biology 101 3 Mathematics 120	Education 201 1*** Psychology 132	Health 110 3 Speech 115	English 101 3 Education 203	Fall Semester Credits Fall Semester	FIRST YEAR SECOND
		tive	0					SECOND YEAR

Credits

77 33332

34

English Comp. 102 Political Science 131

Physical Education Psychology 132

17-18

Literature Elective Health 110 Math Elective

16-17

Fund. of Art 100 Spring Semester

Credits

Spring Semester

Intro. to Education 201 Western Civ. 101 or 102 Math Appreciation 101

Sculpture 240

Beginning Painting 260

(or Speech 115)

2-3

(or Speech 115) Science Elective

Beginning Painting 260

Biological Science 101

Physical Education English Comp. 101 Beg. Drawing 180

(or Life Drawing 255)

Physical Science 105

Fund. of Art 101 Art Appreciation 111 Fall Semester

FIRST YEAR

Credits

Art History 220 Fall Semester

Ceramics 250 Weaving 230

ART EDUCATION

* Samuel Color of Carlot

16-14		Math 110 or 101 5-3** Elective	Art 111 or Music 105 3 Science Elective	Physical Science 3 Humanities Elective	2 Social Science Elective	English T02 3 English Elective	Spring Semester Credits Spring Semester
	1		Elective	es Elective	tience Elective	Elective	emester Crec

*Student should select as many electives as possible in his academic major

**See Counselor concerning your specific background and needs:

education sequence at S.I.U. ***This course must be completed before a student will be admitted to the profession

MATHEMATICS

Spring Semester Calculus II 201 Speech 115 Biological Science 105 Foreign Languages	FIRST YEAR Fall Semester Calculus I 131* Political Science 131 Biological Science 101 Foreign Language**
Credits 5 3 3 4 4 15	Credits 5 4 4 16
Spring Semester Linear Algebra 221 Social Science Elective Physics 156 English Composition 102 Health 110	SECOND YEAR Fall Semester Calculus III 202 Social Science Elective Physics 155 English Composition 101
Credits 3 4 4 3 16	Credits 5 3 5 5 16

trigonometry in high school, the suggested starting point in the mathematics sequence *For the student who has two years of algebra, one of geometry and one half year of

If the student has only one year of high school algebra, it will be necessary for him to point in the mathematics sequence is College Algebra-Trigonometry III. It will be necessary for this student to catch up as rapidly as possible. For the student who has two years of algebra in high school, the suggested starting

start his mathematics sequence with Intermediate Algebra 110 and catch up by attend ing summer sessions.

high school, he is encouraged to do so. background is such that he can enter the second year course (201-202) directly from **This is one year of French 101-102 or one year of German 101-102. If the student's

1

MUSIC

Fall Semester Credits Fall Semester Credits Ensembles* 2 Ensembles* 2 Applied Music 1 Applied Music 221 Theory of Music 221 3 Theory of Music 221 3 Aural Skills 12A 1 Aural Skills 22A 1 Music Fundamentals 110 or Elective 2 Speech 115 3 English Composition 101 or 2 Speech 115 3 Health 110 3 Health 110 3 Math Appreciation 101 or 2 Speech 115 3 Foreign Language 3-4 Biological Science 101 3 Spring Semester Credits Ensembles* Credits Ensembles* 2 Ensembles* 1 Applied Music 1 Applied Music 222 Aural Skills 22B 1 Aural Skills 22B 1 Survey of Music Lit 210 2 Political Science Elective 3 Paychology 132 3 Psychology 132 3 Introductio	ţ		}	Ĺ)	Ĺ			Į.					i			Á
edits Fall Semester 2 Ensembles* 1 Applied Music 3 Theory of Music 221 1 Aural Skills 22A 2 Speech 115 3 Health 110 Biological Science 101 3-4 15-16 2 Ensembles* 1 Applied Music 2 Ensembles* 1 Applied Music 222 1 Aural Skills 22B 2 Political Science 131 Physical Science Elective Psychology 132 3-4 Introduction to Education 201	Foreign Language Social Science Elective	Math Elective or	Survey of Music Lit 210 English Composition 102	Aural Skills 12B	Applied Music Theory of Music 122	Ensembles*			Foreign Language	Math Appreciation 101 or	English Composition 101	Music Fundamentals 110 or Electi	Aural Skills 12A	Theory of Music 121	Applied Music	Ensembles*	Fall Semester	FIRST YEAR
221 ce 101 222 131 Elective	φ 4 ω		ωN	<u></u> (თ ⊸	2	Credits	15-16	3-4		ω	ive 2		ယ	_	2	Credits	
Credits 2 1 3 3 3 1 1 6 Credits 2 1 4 4 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Introduction to Education 201	Psychology 132	Political Science 131 Physical Science Elective	Aural Skills 22B	Applied Music Theory of Music 222	Ensembles*	Spring Semester	,		Biological Science 101	Health 110	Speech 115	Aural Skills 22A	Theory of Music 221	Applied Music	Ensembles*	Fall Semester	SECOND YEAR
	<u>-</u>	ယဖ	. 4 u	_ c	ა _	2	Credits	16		ယ	ယ	ယ	.	ω .	-	N	Credits	

semester is recommended for all music majors. *Only one each semester is required for graduation, but participation in two each

PHYSICAL EDUCATION (MEN)

Methods of Teaching Individual and Team Activities 152, and Methods of Teaching Exercise 159	Elective	Appreciation 105 or Philosophy	Art Appreciation 111, Music	Health 110	Political Science 131	Biological Science 101	English Composition 101	Fall Semester	FIRST YEAR
2	ω			ω	4	ω	ω	Credits	
	Teaching Golf 154	Basketball 153, and Methods of	Methods of Teaching	Speech 115	Math Appreciation 101	Sociology 133	Physical Science Elective	Fall Semester	SECOND YEAR
15	ω		(י נע	သ	ω	ω	Credits	

	Introduction to Public School Education 201	of Teaching Track and Field 156	Tennis 155, and Methods	Methods of Teaching	Humanities Elective	Psychology 132	Biological Science 102	English Composition 102	Spring Semester
16		ω			ω	ω	ω	ω	Credits
	Physical Education Service Class	of Teaching Wrestling 158	Gymnastics 157, and Methods	Methods of Teaching	Humanities Elective	Math Elective	Social Science Elective	Physical Science Elective	Spring Semester

e 3 3 3 3 4 5 8 5 8 3 16

PHYSICS

FIRST YEAR	SECOND YEAR	
Fall Semester Credits	Fall Semester C.	Credits
Physics 155 5	Calculus II 201	5
English Composition 101 3	Physics 210	4
College Algebra/Trigonometry 111 5	Chemistry 101	51
Health 110 3	Psychology 132	3
1		1
16		17
Spring Semester Credits	Spring Semester C.	Credits
Physics 156 5	Calculus III &	
English Composition 102 3	Differential Equations	رن ن
Calculus I 131 5	Biological Science 101	ယ
Political Science 131 4	Speech 115	ယ
1	Sociology 133	ω
17	17 Philosophy Elective	ω
		1

PHYSICAL EDUCATION MAJOR (WOMEN)

7				
			17	
			1	
_	16		_	School Education 201
	1			Introduction to Public
7	2	P.E. Service Class	_	P.E. Service Class
	2	(P.E. Women 171-183)	သ	(P.E. Women 171-183)
r		*Major P.E. Activity		*Major P.E. Activity
	ω	Humanities Elective	ω	Humanities Elective
۰,	ω	Math Elective	ယ	Psychology 132
•	ω	Social Science Elective	ယ	Biological Science 102
1	3	Physical Science Elective	3	English Composition 102
-	Credits	Spring Semester	Credits	Spring Semester
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	1.1		;	
1	17		ď	(1.E. **Ollion 11.1.100)
			'n	(P F Women 171-183)
ح	2	(P.E. Women 171-183)		*Major P.E. Activity
7		*Major P.E. Activity	ω	Elective
	ω	Speech 115		Appreciation 105, or Philosophy
r	ယ	Math Appreciation 101		Art Appreciation 111, Music
_	ယ	Health 110	4	Political Science 131
_	ω	Sociology 133	ω	Biological Science 101
	з	Physical Science Elective	ω	English Composition 101
,	Credits	Fall Semester	Credits	Fall Semester
_		SECOND YEAR		FIRST YEAR
7				

BUSINESS ADMINISTRATION AND ACCOUNTING

17

FIRST YEAR		SECOND YEAR	
Fall Semester	Credits	Fall Semester	Credits
English Composition 101	ω	Speech 115	ω
Biological Science 101	ω	Financial Accounting 201	3
Health 110	ω	Principles of Economics 201	4
History Elective	သ	Business Statistics 121	3
Psychology 132	ω	Calculus I 131	5
	• 15		18
Spring Semester	Credits	Spring Semester	Credits
English Composition 102	ω	Humanities Elective	ယ
Finite Mathematics 116	5	Financial Accounting 202	3
Political Science 131	4	Principles of Economics 202	4
Physical Science Elective	ω	Social Science Elective	ဒ
Humanities Elective	ω	Elective	3
	1		1
	. 18		16

*Women physical education majors are required to take a minimum of 13 hours of physical education courses. At least 8 of these hours must be taken from women's major courses P.E. 171-183. Majors are permitted to elect up to 3 hours from service classes PE 124, 126, 141, 142, 144, 145, 147.

PRE-ENGINEERING

		English Composition 101	Engineering Graphics 101	College Algebra/Trigonometry 111	Physics 155	Fall Semester Cree	FIRST YEAR
17	l	ω	4	ഗ	ĊΠ	Credits	
		Health 110	Chemistry 101	Calculus II 201	Mechanics 201	Fall Semester	SECOND YEAR
18	ì	ω	ഗ	_ن	51	Credits	

	17	
Humanities Elective	1	
Social Science Elective	4	olitical Science 131
Chemistry 102	ယ	Iglish Composition 102
Differential Equations 20	C 1	alculus i 131
Calculus III and		tysics 156
Spring Semester	Credits	oring Semester

ations 202

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PRE-PROFESSIONAL CURRICULA

sional curricula are based on the individual student's preference of senior selor for help in selecting an appropriate program of study. All pre-profespractic, pre-veterinarian, pre-medicine, or pre-law should consult a coun-Students desiring to pursue pre-professional curricula such as pre-chiroinstitutions.

DEVELOPMENTAL COURSES

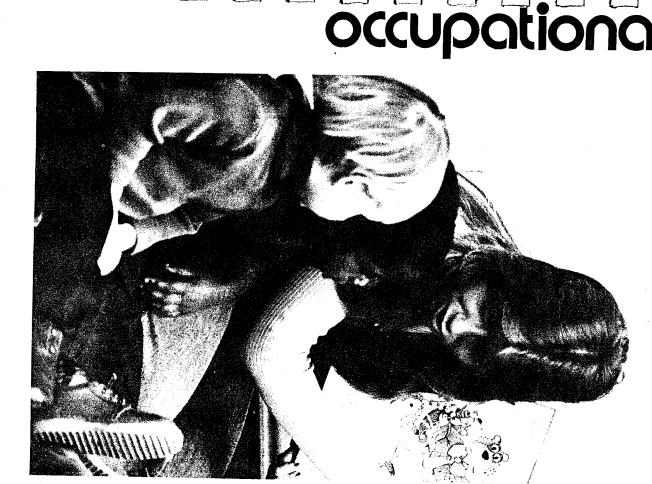
skills, and writing skills. The program will be available in the learning laboraproblems they may confront as a college student in study skills, reading A special individualized program has been established to aid students with tory and in the classroom.

supervision, enroll in one of the following modulars and earn one hour credit able to earn credit while doing so. At any time during the year he can, with when 12 hours of work are completed, and the objectives agreed upon are Not only can the student receive the specialized help he needs, but he will be

English 52 (a,b) and English 153 (a,b,c,d,e,f,) by contacting an instructor in the learning laboratory. Courses available Entrance into the program may be accomplished any time during the year

terested students should contact a counselor for further information Developmental math and social science courses are also available. In-

Drogram



DIVISION OF OCCUPATION ORIENTED EDUCATION (Vocational-Technical Education)

The courses offered in the Division of Occupation Oriented Education focus on educational needs of people to meet the requirements of productive, useful and satisfying careers in many different occupational fields. Generally, technicians are more intensively trained in fundamentals than craftsmen and in manipulative skills than full professionals. Technicians usually become qualified through formal technical training, on-the-job training, or a combination of both.

A number of two-year vocational programs are available to teach the essential skills and operational theory for a given trade, and to develop the ability to apply this skilled knowledge to practical problems.

These curricula lead students to contemplate employment in semi-professional occupations related to business, office technology, health, engineering, industry, education or public service. The programs of study are developed with the assistance of advisory committees representing business and industry and survey information that has enabled the college to identify area manpower needs.

The Division of Occupation Oriented Education features a Certificate Program through which students may obtain training to qualify them for a specific career. The Certificate is awarded upon completion of the course prescribed for that curriculum.

Purpose

The objective of the Division of Occupation Oriented Education is to contribute to the scientific, technical, industrial, business, and economic welfare of Southern Illinois through provision of low-cost, current, college level technical training geared to the youth of the college district.

The organized occupational curricula offered are vocational and technological in nature and lie in the post-high school area. They differ in content and purpose from those of the trade school on one hand and form those of the engineering college on the other, and have in common the following purposes and characteristics:

- The purpose is to acquaint the student with current practices, applications, techniques, and with various sources of information essential to intelligent planning and execution of his work.
- There are learning experiences provided for the student whereby he is enabled to see his prospective occupation in relationship to management, labor, and the professions.
- Methods of instruction are relatively direct with strong emphasis on doing as distinct from research study. Ordinarily, a high proportion of the work is done during the hours of instruction. Individualized instructional

material frequently provides opportunity for considerable home study and independent progress. The curricula of the Occupation Oriented Education Division does not lead to the baccalaureate degree.

ACCOUNTING Certificate Program

This program, composed almost completely 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.

Recommended Electives: Business Law 221 Introduction to Business 110	FIRST YEAR Fall Semester Credits Fundamentals of Accounting 101 4 Business Elective 7 Spring Semester Fundamentals of Accounting 102 4 Payroll Accounting 221 2 Business Elective 2 9
Business Mathematics 111 Calculating Machines 127	SECOND YEAR S Fall Semester Credits Intermediate Accounting 215 Cost Accounting 217 Spring Semester Spring Semester Intermediate Accounting 216 Tax Accounting 218 Tax Accounting 218

ACCOUNTING Degree Program

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.

Graduates of the program are qualified to fill positions such as book-keepers, junior accountants, accounting aides, payroll clerks, government and civil service positions, and other related accounting positions.

Completion of the program leads to the Associate in Applied Science Degree.

	16	1	Payroll Accounting 221 2	Political Science 131 4	Business Correspondence 235 3	Fundamentals of Accounting 102 4	Communications 112 3	Spring Semester Credits		15	1	Introduction to Business 110 3	Business Mathematics 111 3	Calculating Machines 127 2	Fundamentals of Accounting 101 4	Communications 111 3	Fall Semester Credits	FIRST YEAR
17	Human Relations 128 2	Elective 3	Business Economics 101 3	Office Management 115	Tax Accounting 218 3	Records Management 236	Intermediate Accounting 216 4	Spring Semester Credits	16	-	Elective 3	Introduction to Data Processing 214 1	Business Finance 223 1	Business Law 221 4	Cost Accounting 217 3	Intermediate Accounting 215 4	Spring Semester Credits	SECOND YEAR

AGRICULTURAL MECHANCIS Certificate Program

awarded a Certificate of Achievement who completes the curriculum will be trained as a line mechanic, and will be The one-year Agricultural Mechanics Program is designed so that a student

15	Laboratory 176 5	Agricultural Mechanics	Carburetion 172 1	Fuel, Lubrication and	Emissions Controls and Testing 272 2	Small Gas Engines 274 1	Combustion Engines 170 1	Fundamentals of Internal	Fundamentals of Welding 183 2	Communications 111 3	Fall Semester Credits
		15	1	Laboratory 177 5	Agricultural Mechanics	Chassis Electrical 273 2	Diesel Engines 174	Brakes and Suspensions 173 2	Human Relations 128 2	Communications 112 3	Spring Semester Credits

AGRICULTURAL MECHANICS Degree Program

parts clerk, parts manager, and salesman. Upon completion of the two-year Degree. will be trained for many positions, such as a line mechanic, service manager, This program is planned so that a student who completes the curriculum program, the student will be awarded the Associate in Applied Science

17		14	
1		ı	
5	Laboratory 277	σı	Laboratory 177
	Agricultural Mechanics		Agricultural Mechanics
_4	Service Management 275		Diesel Engines 174
2	Chassis Electrical 273	2	Brakes and Suspensions 173
2	Drive Trains 271	2	Human Relations 128
ω	Business Accounting 220	75 1	Heating and Air Conditioning 175
4	Political Science 131	ω	Communications 112
Credits	Spring Semester	Credits	Spring Semester
	,	17	
		1	
		5	Laboratory 176
15			Agricultural Mechanics
1		2	Engine Electrical 171
5	Laboratory 276	_	Carburetion 172
	Agricultural Mechanics		Fuel, Lubrication and
	Emissions Controls and Testing 272		Combustion Engines 170
2	Fundamentals of Welding 183		Fundamentals of Internal
	Small Gas Engines 274	2	Manufacturing Processes 121
_	Drive Trains 270	ω	Technical Mathematics 105
4	Fundamentals of Electricity 211	ω	Communications 111
Credits	Fall Semester	Credits	Fall Semester
	SECOND YEAR		FIRST YEAR

AGRICULTURAL SUPPLY AND SERVICES Certificate Program*

ates for employment in grain elevators, feed stores, fertilizer companies, lawn and garden centers, farm credit agencies, banks, farm cooperatives The Agricultural Supply and Services Program is designed to prepare graduand livestock markets.

Those completing the program will receive a Certificate of Achievement.

Summer Semester Credits Internship 129 4		Marketing Agricultural Products 226	Introduction to Animal Science 121 Agricultural Economics 122	Occupations 120	Introduction to Agricultural	Fall Semester Credits	
its 4	14	φ (4 w	Ŋ		İts	
		Crop Production 127	Farm Management 221 Agricultural Chemicals 126	Soils and Fertilizers 125	Feeds and Feeding 124	Spring Semester	
	17	9,4	ມພ	4	3	Credits	

should contact another college offering this program. Charge-back payments will be authorized for all students wishing to enroll in this program at another college. Logan College during the 1976-77 academic year. Students interested in this program *The agricultural courses that are part of this program will not be offered at John A.

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AGRICULTURAL SUPPLY AND SERVICES Degree Program *

The Agricultural Supply and Services Program is designed to prepare graduates for employment in grain elevators, feed stores, fertilizer companies, lawn and garden centers, farm credit agencies, banks, farm cooperatives, and livestock markets. After obtaining practical work experience, many of the graduates should be prepared for positions as department managers and assistant managers.

Completion of the program leads to the Associate in Applied Science Degree.

*The agricultural courses that are part of this program will not be offered at John A. Logan College during the 1976-77 academic year. Students interested in this program should contact another college offering this program. Charge-back payments will be authorized for all students wishing to enroll in this program at another college. Please note that all courses other than agricultural courses may be taken at John A. Logan College.

ASSOCIATE DEGREE NURSING (Cooperative Program)*

The Associate Degree in Nursing Program offered through the Southern Illinois Collegiate Common Market, is developed as an open curriculum model and is designed to provide career mobility for persons who have completed a practical nursing program or its equivalency through formal or information methods. Students will be given an opportunity to validate past experiences through utilization of a comprehensive testing program. After assessment by the Nursing faculty, an individualized prescriptive type educational program will be developed with each student.

This unique program is designed to prepare the student for the practice of nursing as defined in the Illinois Nurse Practice Art and meets the requirements for accredited schools in Associate Degree Nursing in Illinois.

Upon satisfactory completion of the program, the student will be eligible to write the Illinois State Board Nursing Examination and to become a Registered Nurse.

	(Nursing VI 203	Political Science 131	Summer Semester			Nursing IV 201	Marriage and the Family 263	Communications 111	Fall Semester	
<u>.</u>	1	6	4	Credits	18	1	12	ဒ	ဒ	Credits	
					,]	Nursing V 202	Human Relations 128	Communications 112	Spring Semester	
					17	i	12	2	ω	Credits	

*This program is offered as a cooperative program with The School of Technical Careers, Shawnee College, Southeastern Illinois College, and Rend Lake College.

All courses will be offered at John A. Logan College.

AUTOMOTIVE MECHANICS

This one-year program is designed for individuals desiring a basic training in automotive testing, tune-up, and repair. Upon completion of this intensive specialized program, the student will be qualified as an apprentice line mechanic in a dealership or an independent business. With additional work experience or education, the student could progress to the level of journeyman mechanic.

Automotive Laboratory 1/6	Carburetion 172 Manufacturing Processes 121	Combustion Engines 170 Engine Electrical 171 Fuel, Lubrication and	Fall Semester Fundamentals of Electricity 211 Fundamentals of Internal
13 J o	12-	2 -	Credits 4
	Automotive Laboratory 177	Brakes and Suspensions 173 Chassis Electrical 273 Heating and Air Conditions 177	Spring Semester Communications 112 Human Belations 128
15	· o	1001	Credits

AUTOMOTIVE TECHNOLOGY

Industry today is dependent upon transportation for movement of raw materials and finished products. The automotive industry is becoming a larger factor in this movement. A growing army of technicians is needed to build, test, and service automotive units.

as shop foremen, company technicians, factory representatives, nostic technicians, or industrial maintenance men. With addition education. The curriculum provides students for employment as line mecha to execute or service diagnostic tests and the repairs which are Principles of design and operation provide for an exact appreci functions of automotive units. Coordinated laboratory work deve

Technical Mathematics 106 Communications 112 Technical Physics 151 Brakes and Suspension 173 Diesel Engines 174 Heating and Air Conditioning 175 Automotive Laboratory 177	Spring Semester	Fuel, Lubrication and Carburetion 172 Automotive Laboratory 176	Combustion Engines 170 Engine Electrical 171	Communications 111 Technical Mathematics 105 Manufacturing Processes 121	FIRST YEAR Fall Semester
5 18 5 1 2 3 3	17 Credits	5 -	2 -	N W W	Credits
Political Science 131 Human Relations 128 Chassis Electrical 273 Drive Trains 271 Service Management 275 Automotive Laboratory 277	Spring Semester		Drive Trains 270 Small Gas Engines 274 Automotive Laboratory 276	Fundamentals of Electricity 211 Fundamentals of Welding 183 Emissions Controls and Testing 272	SECOND YEAR Fall Semester
1	Credits	15	5	4 2 272 2	Credits

BOOKKEEPER-CLERICAL

office skills, knowledge, and office procedures. business transactions; other business courses help to develop necessary office workers. Accounting courses develop the ability to analyze and record A one-year program designed to prepare bookkeepers and general clerical

nation office positions requiring some knowledge of bookkeeping. payroll clerk, file clerk, civil service positions, and many general and combiing: general bookkeeper, accounts receivable clerk, accounts payable clerk, Graduates of the program are qualified to fill positions such as the follow-

of Achievement Successful completion of the program leads to the awarding of a Certificate

A TOTAL CONTRACTOR OF THE PROPERTY OF THE PROP

Credits

Recon	Recommended Electives:
Busine	Business Correspondence 235
Introdu	ntroduction to Business 110
Duplic	Duplicating Machines 128

15-16

CHILD CARE

schools, and residential centers. Students completing the two-year curricuchildren in public and private day care centers, headstart centers, nursery Graduates of this two-year program in Child Care will be trained to work with lum will earn an Associate in Applied Science Degree.

	Literature for Children 264	Child Psychology 262	Communications 112	Art Education 210	for Children 265	Recreation and Crafts	Children 162	Introduction to School Age	Spring Semester				Reading Skills 272	General Psychology 132	Communications 111	Music for Children 115	Child Care 161	Principles and Practices of	Children 160	Introduction to Pre-School	Fall Semester	FIRST YEAR
18	ယပ	ω	ω	ω	ω		ω		Credits	18	:	ļ r	S	ω	မ	ω	4		ω		Credits	
					Child Care Laboratory 268	Pre-School Administration 266	Marriage and the Family 263	Political Science 131	Spring Semester			Cilia Cale Labolatory 207	Child Caro Laboratory 267	Nutrition 100	Special Children 264	Methods of Teaching	Children 265	Education of Exceptional	Methods 163	Library and Audio Visual	Fall Semester	SECOND YEAR
		ć	16		5	4	ω	4	Credits	16	1	U	٦ ،	ယ	ယ		2		ပ		Credits	

CLERK-TYPIST

general office knowledge. records management, bookkeeping, basic skills, office procedures, and position involving no shorthand. Emphasis is placed on typewriting, filing A one-year program designed for the individual desiring a clerical office

such as the following: receptionist, file clerk, typist, general office clerical leads to the Certificate of Achievement. positions, and civil service positions. Successful completion of the program Upon completion of the program, a graduate will be qualified to fill positions

	Introduction to Business 110	Calculating Machines 127	Business Mathematics 111	Communications 111	Typewriting 116	Records Management 236	Fall Semester
15	ω	2	3	ω	အ	_	Credits
	Human Relations 128	Business Correspondence 235	Secretarial Procedures 237	Business Accounting 220	Duplicating Machines 128	Typewriting 117	Spring Semester
1 1 €	2	ပ	4	ω	3	ω	Credits

COAL MINING TECHNOLOGY CERTIFICATE PROGRAM (Cooperative Program)

the coal mining industry. Both day and evening classes are available. lege. This program is designed to prepare students for rewarding careers in mining technology program is offered on the campus of John A. Logan Col-Through a cooperative arrangement, Wabash Valley College's one-year coal

cause of Federal regulations is a much safer industry today. this field vary from \$10,000.00 to \$15,000.00 per year. The coal industry be-Coal mining is the most rapidly expanding industry in the nation. Wages in

		Underground Mines 162	Problems of Operating	First Aid & Mine Rescue 112	Basic Welding 132	Mining Equipment 142	Third Quarter			sphere 122	Coal Mine Atmo-	tion 142	Coal Mine Ventila-	Mining Law 122	Mining 112	Introduction to Coal	First Quarter
15	1	4		ω	4	4	Credits	16		2		4		6	4		Credits
											Applied Mathematics 112	& Safety 132	Accident Prevention	Instruments 132	Lamp & Detection	Roof & Rib Control 152	Second Quarter
		1		_					15	1	4	ω		4		4	Credits
-		:1		1		-				Γ			· Anna S				ا

CONSTRUCTION MANAGEMENT TECHNOLOGY (Cooperative Program)*

pete successfully in today's construction industry. Emphasis is placed on current practices and principles necessary to comand actual field experience to begin a career in construction management This program provides the academic background, technical specialization

of Achievement. Students completing the one-year curriculum are awarded the Certificate

	Fall Semester Credits		Spring Semester Credits	ts
	Construction Estimating 201	ω	Communications 112	ω
	Construction Blueprint Reading 192	ω	Construction Materials and	
_	Construction Materials and		Methods 102	ω
	Methods 101	ω	Fundamentals of Labor Relations 202	ω
_	Human Relations 128	N	Construction Surveying 105	ω
	Internship 121	4	Internship 122	4
•		1		1
		Ch		6

Eastern Community Colleges, Kaskaskia Community College, Lewis and Clark Col-*This program is offered as a cooperative program with Belleville Area College, Illinois lege, Rend Lake College, Shawnee College, Southeastern Illinois College, and State Community College.

All courses will be offered at John A. Logan College.

CONSTRUCTION MANAGEMENT TECHNOLOGY Cooperative Program)*

pete successfully in today's construction industry. Emphasis is placed on current practices and principles necessary to comand actual field experience to begin a career in construction management This program provides the academic background, technical specialization

Applied Science Degree. Students completing the two-year curriculum are awarded the Associate in

17		1		
		4	Internship 121	
4	Elective	_	Intro. to Data Processing 214	
4	Internship 221	ω	Methods 101	
4	Political Science 131		Construction Materials and	
2	Human Relations 128	ω	Construction Blueprint Reading 192	
ω	Construction Estimating 201	ω	Communications 111	
Credits	Credits Fall Semester	dits	Fall Semester Cre	
	SECOND YEAR		FIRST YEAR	

Spring Semester	Credits	Credits Spring Semester Credits	ts	
Communications 112	ω	Supervisory Techniques 243	2	
Construction Materials and		Fundamentals of Labor Relations 202 3	ω i	1
Methods 102	ယ	Internship 222	4	
Business Accounting 220	ω	Electives	တ	
Construction Surveying 105	ယ		1	
Internship 122	4		5	<u> </u>
	I		,	

*This program is offered as a cooperative program with Belleville Area College, Illinois Eastern Community College, Kaskaskia Community College, Lewis and Clark College, Rend Lake College, Shawnee College, Southeastern Illinois College, and State Community College.

All courses will be offered at John A. Logan College.

COSMETOLOGY Certificate Program

The Cosmetology Program is designed to give students thorough training in the arts, skills, and applied science that deals with adornment, through care and treatment of the hair, nails, and skin.

Cosmetology, a three semester certificate program, meets the standards of the Department of Registration and Education, State of Illinois, in total hours, teaching staff, equipment, facilities, library and course content.

A minimum of 1500 clock hours and 50 credit hours prepares the graduate for licensure by the Illinois State Board of Cosmetology, qualifies the graduate for immediate employment, and the graduate will be awarded a Certificate of Achievement from John A. Logan College.

			:	٦.
Fall Semester	Credits	Credits Spring Semester	Credits	
Cosmetology Theory 101	ΟΊ	Cosmetology Theory 102	5	_
Cosmetology Laboratory 111	10	Cosmetology Laboratory 112	10	
Political Science 131	4	Communications 112	ω	1
	1		1	
	19		18	
Summer Semester	Credits			
Cosmetology Theory 103	ယ			~
Cosmetology Laboratory 113	8			
Human Relations 128	2			r
	1			
	13			1

COSMETOLOGY Degree Program

The Cosmetology Program is designed to give students thorough training in the arts, skills, and applied science that deals with adornment, through care and treatment of the hair, nails, and skin.

Cosmetology is a program that meets the standards of the Department of Registration and Education, State of Illinois, in total hours, teaching staff, equipment, facilities, library and course content.

A minimum of 1750 clock hours and 69 credit hours prepares the graduate for licensure by the Illinois State Board of Cosmetology, qualifies the graduate for immediate employment and awards the graduate an Associate in Applied Science Degree.

Summer Semester Cosmetology Theory 103 Cosmetology Laboratory 113 Human Relations 128	Fall Semester Cosmetology Theory 101 Cosmetology Laboratory 111 Political Science 131
Credits 3 8 2 2 13	Credits 5 10 4 19
Fall Semester Cosmetology Seminar 104 Cosmetology Laboratory 114 Salesmanship 130 Business Accounting 220	Spring Semester Cosmetology Theory 102 Cosmetology Laboratory 112 Communications 112
Credits 1 1 1 3 3 3 3 17	*Credits 5 10 3 3

DRAFTING

The one-year drafting curriculum is offered to students desiring to enter industry as a draftsman, detailer, or general layout man. Practical experience and related technical studies in machine tool, fixtures, and production drawing are included in the program.

Fall Semester Technical Mathematics 105 Technical Drafting 181 Materials 101 Architectural Drafting 184	Credits 3 6	Spring Semester Communications 112 Descriptive Geometry 285 Technical Drafting 182 Manufacturing Processes 122	Credits 3 3 6
Mathematics 105 Drafting 181	ာတာယ	Communications 112 Descriptive Geometry 285	
tural Drafting 184	ω	Manufacturing Processes 122	
	1	Architectural Drafting 294	
	15		

DRAFTING TECHNOLOGY

This curriculum is designed specifically to prepare men and women for positions in the field of Industrial Drafting and Engineering Drafting. All practical work experience in layout and detailing is in accordance with standard practices recommended by the U.S. Department of Defense, American Society of Automotive Engineers, and other recognized standardizing agencies. The graduate of this program will be qualified as a junior draftsman, detailer, junior tool designer, or engineering draftsman.

Credits Fall Semester Credits 6 Architectural Drafting 184 3 Political Science 131 2 Advanced Technical Drawing 281 4 3 Materials 101 2 Detail & Assembly 183 2 16 Credits Spring Semester Credits 6 Architectural Drafting 294 3 Technical Physics 151 3 Advanced Technical Drawing 283 4 Tool Design 282 7 Tool Design 282 Human Relations 128 16			Technical Mathematics 106	Manufacturing Processes 122	Communications 112	Descriptive Geometry 285	Technical Drafting 182	Spring Semester			Metallurgy 201	Jechnical Mathematics 105	Manufacturing Processes 121	Communications 111	Technical Drafting 181	Fall Semester	FIRST YEAR
OND YEAR Ifting 184 131 ical Drawing 281 ly 183 ly 183 ifting 294 s 151 cal Drawing 283 128	17	1	ω	2	ယ	ن	б	Credits	16	ł	2	ω	N	3	6	Credits	
odits 3 1 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			Human Relations 128	Tool Design 282	Advanced Technical Drawing 283	Technical Physics 151	Architectural Drafting 294				Detail & Assembly 183	Materials 101	Advanced Technical Drawing 281	Political Science 131	Architectural Drafting 184		SECOND YEAR
	16	1	N	4	4	ω	ω _	its	16	1	2	ω.	4	4	ω	its	

EXECUTIVE SECRETARY

ble secretaries. Graduates are also qualified to fill some of the better civil trative aides; and other secretarial positions requiring well-trained, responsitary to professionals in the legal, medical, and the technical areas; adminissociate in Applied Science Degree. It provides students with the training reservice positions. quired to fill positions such as the following: secretary to executives; secre-The Executive Secretarial Program is a two-year curriculum leading to the As

SECOND YEAR Credits Fall Semester 3 Production Typewriting 230 3 Shorthand 232 3 Political Science 131 2 Business Correspondence 235 2 Secretarial Procedures 237 3 16 Credits Spring Semester 3 Business Accounting 220 3 Records Management 236 3 Business Law 221 3 Shorthand 233 Office Management 115 Supervised Work Experience 241
SECOND YEAR Fall Semester Production Typewriting 230 Shorthand 232 Political Science 131 Business Correspondence 235 Secretarial Procedures 237 Spring Semester Business Accounting 220 Records Management 236 Business Law 221 Shorthand 233 Office Management 115 Supervised Work Experience 24
<u> </u>
Credits 3 4 4 3 4 17 17 Credits 3 1 1 4 12-4 14-16

FOOD SERVICES

basis for continuing personal and professional growth. riculum designed to prepare the individual for employment and to have a The Food Service Program provides students a sequential Educational Cur-

tions in the food service field. ment and service to qualify for technical jobs and mid-management posi-The program provides an adequate background in food preparation, manage-

Applied Science Degree Students completing the two-year curriculum are awarded the Associate in

Business Math 111 3 Nutrition 100 3 Advanced Foods Preparation 164 4 Internship 106	Spring Semester Credits Communications 112	17	Seminar 138	Principles of Food Preparation 153 4 Internship 105	Introduction to Food Services 101 2	Introduction to Business 110 3	Communications 111 Credits	FIRST YEAR
Layout & Equipment 203 Food & Beverage Controls 271 Advertising 224 Internship 206 Seminar 239	Spring Semester Credits		1116111211D 203	Hood & Beverage Management & Service 212 Interpolar 205	Business Accounting 220	Business Law 221		SECOND YEAR
4 4 4 4 6 6	dits	1 6	ا د	4 0	ω	ν 4	Credits	

HEAVY EQUIPMENT WELDING

industry. Individuals completing the program will be awarded a Certificate of skill and more specialized training for heavy equipment welding as used in ing program offered at John A. Logan College, desiring a higher degree of This program provides additional training to graduates of the one-year Weld-Achievement.

4	
1	
	elding Laboratory 191
_4	lelding Laboratory 190
	lelding Laboratory 189
_	lelding Laboratory 188
Credits	

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HOTEL-MOTEL MANAGEMENT

The Hotel-Motel Management curriculum prepares students in the hotel-motel field and allows for professional improvement of personnel already in the industry. During the second year, students are placed in area hotels and motels for supervised work experience.

Students completing the two-year curriculum are awarded the Associate in Applied Science Degree.

16	Advanced Food Preparation 164 4	Front Office Procedures 162 2	Problems of Hospitality Management 154 2	Business Accounting 220 3	Communications 112 3	Spring Semester Credits	16	1	Principles of Food Preparation 153 4	Safety & Sanitation 152	& Restaurant Operations 151 2	Introduction to Hotel-Motel	Business Mathematics 111 3	Introduction to Business 110 3	Communications 111 3	Fall Semester Credits	FIRST YEAR
	17	Hotel-Motel Internship 263 4	Supervisory Techniques 243 2 Food & Beverage Controls 271 4	Advertising 224 4	Political Science 131 4	Spring Semester Credits		16	1	Salesmanship 130 3	Human Relations 128 2	Service 212 4	Food & Beverage Management	Business Law 221 4	Principles of Management 112 3	Fall Semester Credits	SECOND YEAR

HUMAN SERVICES

Graduates of the Human Services program are prepared as fact finders for the Department of Public Aid; as cottage parents in Shelter Care Homes (Dept. of Public Aid, Dept. of Mental Health, Dept. of Children and Family Services); as leaders in Child Advocacy programs (Dept. of Children and Family Services); as probation officer aides (First Judicial Circuit program); and as fact finders for the Dept. of Public Health.

Students completing the two-year curriculum are awarded the Associate in Applied Science Degree.

FIRST YEAR		SECOND YEAR		•
Fall Semester	Credits	Fall Semester	Credits	
Communications 111	з	Marriage & Family 263	ယ	-
General Psychology 132	ω	Interviewing 201	ဒ	
Intro. to Human Services 101	ω	Practicum II 221	ယ	•
Principles of Sociology 133	ယ	Practicum Seminar 222		
American Government 131	4	Electives	6	,
	1		1	
	16		16	•
				_

Spring Semester	Credits	Credits Spring Semester	Crec
Communications 112	ω	Elementary Statistics 120	
Principles & Practices in		Intro. to Group	
Human Services 102	ω	Processes 261	
Practicum 121	သ	Recognizing Health	
Practicum Seminar 122	_	Deviations 202	
Business Economics 101	ω	Practicum III 231	
Electives	ယ	Seminar 232	
	1		
	1 5		

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LEGAL SECRETARY

The Legal Secretary curriculum is designed to provide specialized training for the secretary who intends to secure employment in a legal office. In addition to acquiring executive secretarial skills, the student will also acquire specialized training in legal work, which will enable her to become familiar with legal terminology and legal procedures.

Human Relations 128 Calculating Machines 127 Communications 111 Spring Semester Typewriting 117 Shorthand 125 Business Law 221 Duplicating Machines 128 Records Management 236 Communications 112	FIRST YEAR Fall Semester Typewriting 116 Shorthand 124 Business Mathematics 111
2 2 3 16 Credits 3 3 4 4 7	Credits 3 3
Business Correspondence 235 Secretarial Procedures 237 Spring Semester Spring Semester Business Accounting 220 Office Management 115 Shorthand 233 Political Science 131 Legal Secretarial Practice 248 Supervised Work Experience 241	SECOND YEAR Fall Semester Production Typewriting 230 Shorthand 232 Legal Secretarial Practice 247
Credits 3 3 1 1 3 3 3 3 4 4 4 3 3 3 4 4 4 1 6 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8	Credits 3 3

MACHINIST

The machinist program is specifically designed to provide an intensive and thorough study of the related skills, set-ups, presses, bandsaws, and grinders.

The graduate of this three-semester program will be qualified for immediate employment in a job shop, toolroom, mining machine ship, or automotive machine shop as a general machinist, toolroom machinist, or tool and die maker apprentice.

Upon completion of this program, the graduate will be awarded a Certificate of Achievement from John A. Logan College.

Summer Semester Human Relations 123 Machine Processes (Modules 23-33)		Fall Semester Cre Technical Math 105 Blueprint Reading 192 Machine Processes (Modules 1-11)
13 1 2	17	Credits 3 3 1) 11
		Spring Semester Credits Fundamentals of Welding 183 2 Technical Math 106 3 Communications 112 3 Machine Processes (Modules 12-22) 11
	19	- ωωνδ

MARKETING MID-MANAGEMENT

The graduate of this program will be prepared to assume a position within business and/or industry in one or more of the following areas: sales (retailing and wholesaling) advertising, promotion, purchasing, inventory control, transportation, research, pricing, and credit.

After graduation and following a reasonable length of employment in which the employee demonstrates above average potential and ability, the possibility of advancement to a managerial position may exist. Completion of the program leads to the Associate in Applied Science Degree.

FIRST YEAR		SECOND YEAR	
Fall Semester	Credits	Fall Semester	Credits
Introduction to Business 110	ω	Principles of Management 112	ω
Business Mathematics 111	ω	Human Relations 128	2
Communications 111	ω	Business Law 221	4
Principles of Marketing 113	သ	Merchandising Principles 228	ω
Salesmanship 130	ω	Internship 225	ω
Seminar 138			1
	l		15
	16		
Spring Semester	Credits	Spring Semester	Credits
Communication 112	ω	Business Economics 101	ω
Principles of Marketing 114	3	Advertising 224	ω
Salesmanship 131	ω	Business Elective	თ
Political Science 131	4	Seminar 239	_
Business Accounting 220	ω	Internship 226	3
	1		!
	16		16

NURSE AIDE AND ORDERLY

This program is designed for students interested in becoming Nursing Aides or Orderlies. It provides students with the training for nurses' aides, nursing assistants, nursing attendants or hospital orderlies.

The basic course is presented in thirty-five eight-hour sessions. Upon successful completion, nine credit hours and a certificate are awarded.

Following this, employment may be sought in hospitals, nursing homes, shelter care homes and other health-related agencies or the student may elect to enroll in the advanced Nurse Aide and Orderly course.

Upon successful completion of the advanced course, the student will have met the objectives of the 13 semester hours of PNE 101, which is the first nursing course in the practical nursing curriculum.

Principles and Practices of Nursing 101 9	Credits
	Practices

PRACTICAL NURSING

The Practical Nursing Program is designed to provide a correlation of class-room theory and practice in the care of selected individuals with different degrees of illness, various types of incapacities, and from all age groups.

Practical Nursing, a three semester certificate program, is governed by the Rules and Regulations for the Administration of the Illinois Nursing Act and therefore, meets the requirements of the Department of Registration and Education, State of Illinois.

Upon successful completion of the program, the graduate may apply for a licensing examination, conducted by the State of Illinois. Following successful completion of the examination, the graduate may use the legal title of "Licensed Practical Nurse," and is qualified for immediate employment in the field of Practical Nursing.

	Human Relations 128	Communications 112	Mental Conditions 202	Nursing the Adult with	Physical Conditions 201	Nursing the Adult with	Summer Semester			Anatomy and Physiology 105	Nutrition 100	of Nursing 101	Principles and Practices	Fall Semester
14	N	ω	2		7		Credits	19		ω	ω	13		Credits
										Marriage and the Family 263	Nursing the Child 191	Maternal and Newborn Nursing 181	Pharmacology 171	Spring Semester (
								19	1	ω	7	7	N	Credits

STENOGRAPHER

This one-year program is designed for the person desiring a stenographic position. Because of placement procedures used in shorthand and typewriting classes, it is designed for those students with a good background in shorthand or typewriting, or both, and also for those students with no previous training in any secretarial course.

Graduates of the program will be qualified to fill stenographic positions such as the following: stenographer, typist, file clerk, receptionist, and general basic secretarial positions. Graduates will also be qualified to fill civic service positions. The program leads to the Certificate of Achievement.

		Business Correspondence 235	Business Mathematics 111	Calculating Machines 127	Communications 111	Shorthand 124	Typewriting 116	Fall Semester
17	1	3	3	2	ω	ω	ယ	Credits
	,	Secretarial Procedures 235	Business Accounting 220	Records Management 236	Duplicating Machines 128	Shorthand 125	Typewriting 117	Spring Semester
17	1	4	ω	_	ω	ω	ω	Credits

TEACHER AIDE

Graduates of the Teacher Aide curriculum are prepared to give important support to educational activities at day care centers, pre-school, and elementary and secondary schools. They find employment possibilities as teachers' assistants, school office assistants, school library assistants, and playground assistants. Some may be employed in similar roles in higher education.

Child Psychology 262	Communications 112	Art Education 210	Children 265	Recreation and Crafts for	Children 162	Introduction to School Age	Spring Semester			Reading Skills 272	General Psychology 132	Communications 111	Music for Children 115	Child Care 161	Principles and Practices of	Children 160	Introduction to Pre-School	Fall Semester	FIRST YEAR
ယ	ω	ω	ω		ω		Credits	18		2	د	3	ယ	4		ω		Credits	
			Teacher Aide Laboratory 268	Pre-School Administration 266	Marriage and the Family 263	Political Science 131	Spring Semester			Teacher Aide Laboratory 267	Nutrition 100	Special Children 264	Methods of Teaching	Children 265	Education of Exceptional	Methods 163	Library and Audio Visual	Fall Semester	SECOND YEAR
	16	1	5 1	4	သ	4	Credits	16	1	Ç1	ω	ω		2		ယ		Credits	

WELDING

The objective of the welding program is to provide comprehensive training in welding, metal fabrication, and practical metallurgy to qualify graduates for immediate employment as welders and potential supervisory status.

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		Blue Print Reading 192	lechnical Mathematics 105	Metallurgy 201	Welding Laboratory 185	Welding 184	Principles of Industrial	Fall Semester
18	ı	ω	3	2	7	ω		Credits
	,	Manufacturing Processes 121	Communications 112	Human Relations 128	Welding Laboratory 187	Welding 186	Principles of Industrial	Credits Spring Semester
17	I	2	ω	2	. 7	ω		Credits

GENERAL ADVISORY COMMITTEE VOCATIONAL-TECHNICAL EDUCATION

Training young people and adults for a career in vocational-technical education is a task that should be shared by the college and the community. To carry its share of the burden, the college must know what business and industry need and want. For the best interest of industry and business within its own community, there must be a two-way system of communication with its technical schools to maintain a working relationship and thus create a real public service.

Local advisory committees perform this significant function because they represent industries and businesses that are respected and recognized as experts in their related fields.

The use of advisory committees enables educational authorities to build programs of vocational-technical education that are based on the real needs of the community. In them, the confidence of the public is secured when the experiences and counsel of responsible citizens are solicited and acted upon by the college.

This two-way system of understanding and communication between the college and the community is particularly important in industry and business, which has as its objective the competent worker cognizant of his economic, social and civic responsibilities.

Literature for Children 264

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GENERAL ADVISORY COMMITTEE

Mr. Dwight Burns
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Southwestern III. Supply Corp.
DeSoto
Mr. Loren D. Carter

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Company

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> Mr. Carl Taylor International Brotherhood of Electrical Workers 506 North Gardner West Frankfort

Mr. Clem A. Marchildon

Certified Public Accountant
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Plant Manager
Allen Industries, Inc.
R.R. 1

Personnel Manager Egyptian Assoc. of Plumbing Heating & Cooling Contractors Box 54 Murphysboro

Mr. Marion Nash

Herrin

Mr. Milton W. Witt Executive Vice President Greater Marion Area Chamber of Commerce 905 North Bentley Marion

Mr. Leon Zwick 120 North Park Avenue Herrin

PROGRAMS AVAILABLE AT BELLEVILLE AREA COLLEGE THROUGH A COOPERATIVE AGREEMENT WITH JOHN A. LOGAN COLLEGE

Students residing in John A. Logan College District No. 530 may enroll at Belleville Area College in Certificate and Degree programs listed on the following pages. Entry to these expanded career opportunities is provided by Joint Agreement entered into by the Board of Trustees of Belleville Area College and John A. Logan College.

Students interested in enrolling in one of the programs offered at Belleville Area College should contact the Office of the Dean of Student Services at John A. Logan College, District No. 530.

AIRLINE STEWARDESS

Cooperative program offered at Belleville Area College
A two-year curriculum leading to an Associate Degree in Applied Science-Aviation
Technology-Airline Stewardess. The graduate would hold a degree and be prepared to
take her place in the field of aviation. Students entering this program must consult with
the Airline Stewardess Coordinator.

FIRST YEAR		SECOND YEAR	
Fall Semester	Credits	Fall Semester	Credits
Speech 151—Fund. of Public		Eng. 101—Rhetoric & Comp. I	ယ
Speaking	ω	Humanities and/or Social Sci.	ω
Avia. 132—Hostess Duties		Psych. 200—Applied	
and Responsibilities I	ω	Psychology	ω
Avia. 133—Orientation to Avia.	ω	Physical Education (optional)	_
Avia. 134—Grooming & Poise I	ω	Electives	თ
Health 151—Health	2		
Psych. 151—General Psychology	ယ်		16
	ı		
	17		
Spring Semester	Credits	Spring Semester	Credits
Avia. 131—Applied		Eng. 102—Rhetoric & Comp. II	ω
Aviation Communications	ω	Humanities and/or Social Sci.	ω
Avia. 142—Hostess		Geog. 151—Geography	
Duties & Responsibilities II	ω	of the United States	ω
Avia. 143—Aviation Terminology		Physical Education (optional)	4
& Safety Procedures	ω	*Electives	ග
Avia. 144—Grooming & Poise II	ω		1
Psych. 299—Problems—			16
Personality Development—			
Stewardess	ω		
	1		

*Suggested electives are: Languages, music, arts, economics, pilot training and business.

Students shall meet all institutional requirements for the Associate of Applied Science degree.

The state of the s

AIRLINE STEWARDESS

Cooperative program offered at Belleville Area College

Spring Semester

P.E. (optional)

91-233

Health 151—Health Communications

Soc. Sci. and/or Humanities

Spring Semester

Credits

fully completing this program would hold a certificate and would be ready to take her place in the field of aviation. Students entering this program must consult with the Air-A one year program leading to a Certificate—Airline Stewardess. The student successline Stewardess Coordinator.

	Psych 151—General Psychology	Avia: 134—Grooming & Poise Health 151—Health	O Aviation	Avia. 133—Orientation	and Responsibilities i	Avia. 132—Hostess Duties	Fublic Speaking	Speech 151—Fund. of	Fall Semester
17	3 1	ადა	ω		3		ယ		Credits
Stewardess)	(Personality Development—	Avia. 144—Grooming & Poise II	& Safety Procedures	Avia. 143—Aviation Terminology	and Responsibilities II	Avia. 142—Hostess Duties	Communications	Avia. 131-Appl. Avia.	Spring Semester
ا ى		3	ω		ω		ω	0.00	Credite

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	& Components	OR Avia. 115—Powerplant Systems	Systems & Components	Avia 113_Airframa	O TOTAL OF THE PROPERTY OF THE		Structures & Repairs	Avia. 112—Airframe	AND	Technician General	Avia. 111—Aircraft	OR		Theory & Maintenance	Avia. 114—Powerplant	AND	Technician General	Avia. 111—Aircraft	Spring Semester	
ļ	80		œ	Credits	17	1	9		,	œ		;	17	9			8	į	Credits	

Cooperative program offered at Belleville Area College AVIATION PILOT TRAINING

6

Flight Instructor. FAA Certificate No. 362-21. and Multi-Engine Rating. Student entering this program must consult with the Chief Certificate, Commercial Pilot Certificate, Instrument Rating, Flight Instructor Rating, Applied Science Pilot Training. The successful graduate would hold a Private Pilot Belleville Area College offers a two-year curriculum leading to an Associate Degree in

1			
Suggested Electives: Avionics, business, mathematics, physics, electronics, mechanic.	*Optional course	Spring Semester Avia. 151—Commercial Pilot Avia. 154—Flight Training Avia. 153—Simulator Communications Mathematics Electives	Fall Semester Avia. 101—Private Pilot Avia. 102—Flight Training Avia. 103—Simulator Communications Geography 101—Earth Science Mathematics Physical Education (optional)
ess, mathem.		Credits 3 3 3 3 3 3 3 6 6 6 6 6 6 6 6 6 6 6 6	Credits 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
atics, physics, electronics, mechanic.		Spring Semester Avia. 251—Flight Instructor Avia. 252—Flight Training Avia. 266—Meteorology Avia. 270—Multi-Engine Speech 151—Fundamentals of Public Speaking Humanities and/or Soc. Sci. Physical Education (optional)	Fall Semester Avia. 201—Instrument Pilot Avia. 202—Flight Training Avia. 155—Flight Training Avia. 203—Simulator Health 151—Health Hum. and/or Soc. Sci. E.E. 129—Avionics Systems OR G.P.S. 101—Gen. Phys. Science
	16	17-18 Credits 3 2 3 1 1 1 1 1	Credits 3 2 2 2 3 3 3 3 3 3 3 3

Cooperative program offered at Belleville Area College AVIATION MAINTENANCE TECHNOLOGY

gram must consult with the Aviation Maintenance Coordinator. FAA Certificate No. 362-8. summer the student must follow this program as specified. Students entering this prowhich requires a minimum of 64 semester hours. During the first year and the following program. The second year the student fulfills requirements for the associate degree plant certificate. The first year is identical to the Airframe and Powerplant certificate tain an Associate of Applied Science degree along with the FAA Airframe and Power-The Aviation Maintenance Technology program gives the student the opportunity to ob-

	AND Avia. 115—Powerplant Systems & Components	OR Avia. 114—Powerplant Theory & Maintenance		AND Avia. 113—Airframe Systems & Components	Avia. 112—Airframe Structures & Repairs	FIRST YEAR Fall Semester
17	ο ο	φ	1 7 – 6	œ	9	Credits
				Electives P.E. (optional)	Communications Soc. Sci. and/or Humanities	SECOND YEAR
			12	- o o	Credits 3)

Students shall meet all institutional requirements for the Associate of Applied Science degree.

CHEMICAL TECHNOLOGY

Cooperative program offered at Belleville Area College

A certificate program in Chemical Technology is primarily designed for in-service training of persons already employed in the chemistry field. It makes it possible for persons to acquire further formal training for advancement in level of work and pay.

The student has the option of converting to a degree program with no loss of credit.

"Physics 206—Engineering Physics (Wave Motion, Sound, Light and	(Heat, Electricity & Magnetism)	**Physics 205—Engineering Physics	Physics (Mechanics)	**Physics 204—Engineering	OR	**Physics 152—General Physics	**Physics 151—General Physics	Mathematics 114—Trigonometry	Mathematics 112—College Algebra	Chemistry 270—Instrumental Analysis	Chemistry 253—Quantitative Analysis	*Chemistry 201—Organic Chemistry II	and Qualitative Analysis	*Chemistry 102—Inorganic Chemistry	"Chemistry 101—General Chemistry	
	4		4			ζī	ۍ.	ω	ω	5 1	5	5	СЛ		O 1	Credits

^{*}Chemistry 105-106 sequence can be substituted for Chemistry 101-102.

Modern Physics)

DATA PROCESSING TECHNOLOGY Cooperative program offered at Belleville Area College

This two-year program provides the technical skills and knowledge for handling programming and system design problems in a business-oriented data processing system. Instruction is in the concepts and language of the computer programmer and the systems analyst. Students completing the curriculum will be prepared primarily for the position of computer programmer and secondarily for the position of programmer analyst, systems analyst, data processing supervisor, or computer operator.

FIRST YEAR	;	SECOND YEAR	
-all Semester	Credits	Fall Semester	Credits
Communications	ယ	Bus. 201—Principles of Econ.	ယ
Bus. 110—Accounting I	သ	Bus. 200—COBOL Programming II	ယ
Bus. 101—Intro. to Bus.	ဒ	Bus. 248—Assembly Language	
Bus. 185—Intro. to Data Proc.	ω	Programming	ပ
Bus. 187—Punched Card Methods	4	Bus. 246—Systems Development	
Bus. 190—Computer Logic	မ	and Design I	ω
hys. Ed.—Physical Ed.		Health 151—Health	2
optional)	_	Mathematics	3
	1		1
	17		17

						(optional)	Filys. Ed.—Physical Ed.	Bus. 286—RPG Programming	Bus. 199—CUBUL Programming I	Bus. I I 1—Accounting II	Mainematics	Continunications	Spring Semester
				16	1	_		မ	ω	ω	သ	ω	Credits
,		OR Bus. 210—Cost Accounting	Bus. 220—Bus. Statistics	Seminar	Bus. 296—Data Processing	Field Project	Bus. 297—Data Processing	Systems	Bus. 295—Adv. Programming	& Design II	Bus. 247—Systems Development	Soc. Sci. or Humanities	Spring Semester
5	1	ω		_		ယ		ယ		ယ		ω	Credits

Students shall meet all institutional requirements for the Associate of Applied Science degree.

ELECTRONICS TECHNOLOGY Cooperative program offered at Belleville Area College

This program is designed to prepare the student for a career as an electronics technician in industry. Upon graduation, the student is qualified for employment as an electronics technician, and may work as a member of an engineering team in the research, development, manufacturing, testing, installation and maintenance of many types of electronic equipment. The program is fully accredited by the Engineers Council For Professional Development (ECPD).

	ET 103—Fund of Elec. I Phy. 152—Gen. Physics II "Gen. Tech. 107—Tech. Math. II	Spring Semester ET 102—Elec. Circuits II	Math. I Hum. and/or Soc. Sci.	FIRST YEAR Fall Semester ET 100—Intro. to Elec. Tech. ET 101—Elec. Circuits Eng. 101—Rhet. & Comp.
17	υ 4 τυ ω	16 Credits	ယယ	Credits 2 5
Sci. Elective	ET 252—Industrial Elec. II Health 151—Health Eng. 102—Rhet. & Comp. II	Spring Semester	""Gen. Tech. 208—Tech. Math. III	SECOND YEAR Fall Semester ET 207—Semicon. Cir. I ET 210—Industrial Elec. I Phy. 151—Gen. Physics I
18 3	ω <i>Ν</i> υυ	18 Credits	ا د	Credits 4 6 5

Humanities Electives: Art, music, literature, philosophy.

Social Sciences Electives: History, geography, economics, sociology, psychology, government *Or Mathematics 112

**Or Mathematics 114 & Mathematics 115

***Or Mathematics 203

Students shall meet all institutional requirements for the Associate of Applied Science degree.

^{**}Physics 204, 205, 206 can be substituted for Physics 151, 152.

ELECTRONICS

Cooperative program offered at Belleville Area College

determines the electives required in the program. installation and servicing of various types of electronic equipment. The program includes three options: (I) Radio-TV, (II) Avionics, (III) Industrial. The choice of option The electronics certificate program is designed to prepare electronics technicians for

	EE 125—Transistor Circuits	Fourth Semester EE 124—Instrumentation and Measurement		EE 123—Electronics for Industry	122-	Third Samester		Elective	EE 121—Basic Electronics	Second Semaster		EE 119—Math for Electronics	EE 120—AC-DC Circuits	OPTION III-Industrial		*EE 128—Television Servicing	*EE 127—Fund. of Television	Fourth Company		Inira Semester EE 122—Semiconductor Devices EE 126—Radio Servicing	·	Liective	EE 121—Basic Electronics	Second Semester		119	First Semester EE 120—AC-DC Circuits	OPTION I-RADIO-TV
6 1currently.	ယယ	Credits	6	ا ۵	Credits 3		ര	ယ	Credits 3)	o I	ω	3		6	ယ	Credits 3)	ļ	Credits 3 3	თ	نه ا		Cradits	6	ω (Credits	
						Coordinator	EE 132—Radio Broadcast Operator Other electives is approved by the Program	Commun. I	G.T. 103—Technical English	Bus. 110—Accounting I	Bus. 185—Introduction to Data Processing Bus. 105—Fundamental Record Keeping	190	bus. zz—industrial Organization and Management	ELECTIVES		132-	Fourth Semester EE 131—Avionics II			Third Semester EE 122—Semiconductor Devices EE 130—Avionics I		EE 129—Avionics Systems				EE 119—Math for Electronics	First Semester	OPTION II-AVIONICS
							äm			•	ng ng				6	ω	Credits 3	თ		Credits 3 3	თ	lω	3	Cod.ita	თ	ωω	Credits	

Cooperative program offered at Belleville Area College ENGINEERING TECHNOLOGY

those who expect to enter directly into technical positions in industry. The curriculum is designed to provide two years of education beyond high school for

	FIRST YEAR		SECOND YEAR	
	Fall Semester	Credits	Fall Semester	Credits
	English 101—Rhet. & Comp. I	ω	Physics 151—Gen. Physics	5
	*Gen. Tech. 106-Tech. Math. I	ပ	ET 101—ELECTRIC Circuits	5
	Chemistry 101—Gen. Chem.	5	***Gen. Tech. 208—Tech.	
	GE 101—Engineering Drawing	ω	Math. III	ယ
		1	Humanities or Soc. Sci.	သ
		14	P.E. (Optional)	-4
				l
			,	17
	Spring Semester	Credits	Spring Semester	Credits
	English 102Rhet. & Comp. II	အ	Physics 152—Gen. Physics	თ
_	"Gen. Tech. 107—Tech.		ET 102—Electric Circuits	5
	Math. II	ဒ	Bus. 222—Indus. Org.	
	Chemistry 102—Inorg.		& Management	ယ
-	Chem. & Qual. Analysis	ڻ. ڻ	Humanities or Soc. Sci.	ယ
	GE 102—Engineering Geometry	ω	P.E. (Optional)	_
_	Health 151—Health	N		1
		1		17
		16		
	or Math 112			

***or Math 203 "or Math 114 and Math 115

Students shall meet all institutional requirements for the Associate of Applied Science degree.

Cooperative program offered at Belleville Area College HORTICULTURE

		17-19	
-		2-4	***Elective (Option 1 or 2)
:) . • W	Public Speaking
C.	Social Science)	ı	Speech 151—Fund. of
•	Elective (Humanities or	3	Psych. 151—Gen. Psychology
ω	Hort. 226—Landscaping	3	Fertilizer
·ω	Use of Ornamentals		Agri. 122—Soil Fertility &
i	Hort. 136—Identification and	ω	Management
22	Employment		Hort. 152—Greenhouse
	Hort. 289—Supervised Intern	3	Bus. 102—Business Math
Credits	Spring Semester	Credits	Spring Semester
13			
ı		16	
	Physical Education (Optional)	1	
2	**Health 152—First Aid	_	Physical Education (Optional)
ω	Agri. 255—Agri. Salesmanship	သ	Eng. 101—Rhet. & Comp. I
ယ	Production	ω	Hort, 102—Intro, to Horticulture
	Hort. 132—Nursery Crop	4	*Bio. 101—Prin. of Biology
4	Employment	4	Agri. 121—Soil Science
	Hort. 288—Supervised Intern	_	Agri. 101—Intro. to Agri.
Credits	Fall Semester	Credits	Fall Semester
	SECOND YEAR		FIRST YEAR

		Agri. 245—Agri. Chemicals	Hort. 135—Turf Management	Employment	Hort. 287—Supervised Intern	Summer Session	
9	ľ	4	ω	2		Credits	

*Required of all students (preferably their freshman year), unless waived by department

ments of Health and P.E. of this program. **Students who have received Health and P.E. credit based on military service satisfy the require-

***Elective may be taken in freshman or sophomore year with departmental approval of Option 1 or

Option 1: Agri. 152, Bus. 101, Bus. 110, GE 101

Option 2: Hort. 165, Hort. 175, Hort. 185, Hort. 235, Hort. 237, Hort. 242, Hort. 252, Hort. 266, Hort 267, Hort. 289.

Students shall meet all institutional requirements for the Associate of Applied Science degree.

HORTICULTURE

Cooperative program offerd at Belleville Area College

edge to prepare them to enter the horticultural business world with approximately one year of college study. This program is designed for students who wish to acquire sufficient skills and knowl-

1 1	
l	
	t Applied Science Program)
	nosen from the two-year Associate
	lectives (Horticulture courses
ω	ng. 101—Rhetoric & Composition I
ယ	ccounting I
	us. 110—Principles of
-	OR
	us. 102—Business Math
4	iio. 101—Principles of Biology
4	gri. 121—Soil Science
Credits	

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LAW ENFORCEMENT

Cooperative program offered at Belleville Area College

sional law enforcement. The Law Enforcement courses will be scheduled to permit shift working personnel to attend during the day or evening ence degree involving academic credit for the student preparing for a career in profes-This program includes a two-year curriculum leading to the Associate of Applied Sci-

FIRST YEAR		SECOND YEAR	
all Semester	Credits	Fall Semester	Credits
E 100—Intro. to Law Enforcement	ω	LE 203—Criminal Law	ω
E 105—Police Administration	ω	LE 251—Rules of Criminal Evidence	ω
E 151—Police Patrol & Services	ω	LE 255—Criminal Investigation I	ω
ommunications	ω	Speech 151—Fund. of	
sych. 151—General Psychology	ω	Public Speaking	ယ
aw Enforcement Elective	ω	Soc. 203—Social Problems	ယ
	1	Law Enforcement Elective	မ
	18		
			18

_		•	
Self Help	American Government Health 152—First Aid-Medical	Soc. 153—Introductory Sociology Pol. Sci. 150—Intro. to	LE 153—Juvenile Procedures
2	ω	ယ ယ	Credits 3
		Psych. 295—Social Psychology Law Enforcement Electives	Spring Semester LE 205—Traffic Control
	14	ထယေ	Credits

Students shall meet all institutional requirements for the Associate of Applied Science degree.	Electives: LE 101, LE 155, LE 156, LE 160, LE 204, LE 210, LE 256, LE 260, LE 261, LE 275

14

Cooperative program offered at Belleville Area College LAW ENFORCEMENT

student is awarded a Certificate of Proficiency in Law Enforcement roll in the Certificate Program. Upon successful completion of the required courses, the Students desiring a concentrated course of study in only police science matters may en-

	L.E. 151—Police Patrol & Services L.E. 153—Juvenile Procedures	L.E. 105—Police Administration Communications	L.E. 100—Introduction to Law
	ယယ	ယယယ	Credits
	3 (See Law Enforcement 3 Degree Program)	Evidence L.E. 255—Criminal Investigation Law Enforcement Floating	L.E. 205—Traffic Control L.E. 251—Rules of Criminal
97	ω	ພ ພ	ω

MACHINE/COMPUTER OPERATOR

Cooperative program offered at Belleville Area College

programs and input-output devices. to develop a basic knowledge of data processing. Also taught are the concepts of stored tion of computers and unit record equipment. Instruction is provided in punch card methods, basic computer concepts, computer operating systems, and principles neded A one-year certificate program provides the skills and knowledge necessary for opera-

Suggested Electives Bus 187—Problems in Keypunch Operation Bus. 199—COBOL Programming Bus. 246—Systems Development & Design I Bus. 248—Assembly Language Programming Bus. 285—FORTRAN Programming Bus. 286—RPG Programming					Eus. 180-Funched Card Methods	Bus 186 Display Macrines	Bus 155—Business Moohing	Processing	Blis 185—latro to Data	Bus 110-Accounting	Communications Credits
6		ā	<u>.</u>	1		ω	ω		ω	ω	dits
			•	Processing)	Electives (Business or Data	Processing Computer Operations	Bus. 189—Problems in Data	Bus. 111—Accounting II	Mathematics	Bus. 190—Computer Logic	Spring Semester
ō	.	1	c	n	Ó	ω	(ω (ن د	ω :	Credits

Fall Semester

LINCOLN TRAIL) THROUGH A COOPERATIVE AGREE-MENT WITH JOHN A. LOGAN COLLEGE PROGRAMS AVAILABLE AT ILLINOIS EASTERN COMMUNITY COLLEGES (OLNEY, WABASH, AND

AIR CONDITIONING AND REFRIGERATION CERTIFICATE Cooperative program offered at Lincoln Trail College

ation units, correctly use common test equipment, repair leaks in refrigeration tubing. soft solder and silver braze. Graduates should be able to: replace common faulty parts in air conditioning or refriger-

Second Quarter (Winter) ACR 132—Domestic & Residential Refrig. ELC 172—Applied Electricity I PHY 112—Technical Physics (First Quarter (Fall) ACR 112—Orient. to Air Cond. & Refrig. ACR 122—Principles of Refrigeration LIB 111—Use of the Library MTH 152—Technical Mathematics I ORT 111—Freshman Orientation
Credits 8 5 4 17	Credits 2 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Third Quarter (Spring) ACR 232—Commercial Refrigeration COM 112—Communications I DLR 132—Basic Welding Elective
	Credits 5 4 4 4 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7

Cooperative program offered at Lincoln Trail College ASSOCIATE IN APPLIED SCIENCE DEGREE AIR CONDITIONING AND REFRIGERATION

air conditioning and refrigeration equipment salesman. refrigeration and air conditioning technician, all-year air conditioning specialist, and Typical entry level job titles for degree program graduates are: air conditioning and

install common air conditioning systems, silver solder and braze refrigeration tubing to repair leaks or breaks. in refrigeration and/or heating systems, accurately interpret test meters and gauges, Graduates should be able to: correctly diagnose electrical and mechanical malfunctions

	17	Second Quarter (Winter) ACR 132—Domestic & Residential Refrig. 8 ELC 172—Applied Electricity I PHY 112—Technical Physics I	16		ORT 111—Freshman Orientation 1	LIB 111—Use of the Library 1	ACR 122—Principles of Refrigeration 8	ACR 112—Urlent, to Air Cond. & Refrig. 2	First Quarter (Fall) Credits
	Fifth Quarter (Fall) ACR 212—Principles of Air Conditioning ACR 242—All-Year Comfort Systems INB 142—Beginning Drafting	Fourth Quarter (Summer) ACR 142—Internship (9 weeks) ACR 152—Seminar (Summer or Fall)			Elective	DLR 132—Basic Welding	COM 112—Communications I	ACR 232—Commercial Refrigeration	Third Quarter (Spring)
	Credits g 6 6	Credits 12 2 14	=	;	4	4	4	5	Credits

Sixth Quarter (Winter) ACR 252—Automatic Controls ACR 272—Air Conditioning & Refrig. Load Calc. PSY 122—Human Relations in Business & Industry SHM 112—Sheet Metal I
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SHM 122—Sheet Metal II & Refrigeration ACR 262—Mobile Air Conditioning Seventh Quarter (Spring) Economics Elective

Cooperative program offered at Wabash Valley College MANAGEMENT OF AGRICULTURAL PRODUCTION

come of the farmer. If you want to farm, why not do it right? The size of the operation will determine the in-

Fourth Quarter AGR 232—Agricultural Law AGR 172—Agricultural Economics		AGR 272—Farm Management AGR 192—Crop Production	AGP 112—Agri-Seminar	Management of	Third Quarter AGP 212—Internation in		COM 112—Communications i	AGR 182—Feeds and Feeding	AGR 212—Agricultural Chemicals	Second Quarter AGR 122—Agri Orientation		BOS IT I—Business Mathematics	Animal Science	AGR 112—Agri Orientation AGR 152—Introduction to	First Quarter AGR 132—Introduction to Soils AGR 142—Principles of Agronomy
Credits 4 4 8	I	4 D	2-5 1)	Credits	20	4	n Cn	U 1	Credits	20	4	Ch	-4	Credits 5 5
		Adjustment and Repair	Elective AGP 232—Field Machinery	Farm Management AGR 292—Livestock Marketing	Seventh Quarter AGR 282—Advanced		r 3 r 111—Business Psychology	Elective	AGH 242—Agri Marketing Elective	Sixth Quarter		AGR 262—Agricultural Finance	AGR 252—Farm Records Systems	Agricultural Production	Fifth Quarter AGP 222—Internship in Management of
	17	4	4	7 4	Credits	16	4	4	44	Credits	12-14	4.	4 -	2-5	Credits

AUTO BODY TECHNOLOGY

Cooperative program offered at Olney Central College

salary. With more vehicles on the road today than ever before, the future in this field is franchised dealerships and independent body shops. The pay rate for a graduate of the Auto Body Technology program is generally \$2.50 to \$3.00 per hour for a starting bright. repair of sheet metal and frame damage of vehicles. Jobs are available in this area in The Auto Body Technology program is designed to prepare auto body specialists for the

	`	AB I 122—Complete Car Cleanup	ORI 111—Freshman Orientation	AUM 212—Weiding I	ABI 112—Auto Body Orientation	First Quarter
18	1	8	_	5	4	Credits
		Relationships	SOC 122—Sociology of Industrial	Replacement	ABT 232—Panel Removel and	Fourth Quarter
5	l	œ		8		Credits

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11 年前的特殊教育工作的一种,我们是一个人的一种,我们是一个人的一种,我们就是一个人的一种,我们们是一个人的一种,我们们们是一个人的一种,我们们们们们们们们们

Credits g 12 4

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CABINET MAKING

Cooperative program offered at Olney Central College

Associate in Applied Science Degree

mands more home furnishings designed from various types of wood \$11,000. There is an increasing demand for skilled cabinet makers as the nation dework at an hourly scale of \$6.00 to \$7.00 per hour and earn an annual salary of \$9000 to ed to become skilled craftsmen in cabinet and furniture construction. Cabinet makers Cabinet makers are at the top level of the construction trades because of the time involvworld. Cabinet Making offers year-round employment without lost time for bad weather. Cabinet Making is an advanced phase of the carpenter trade in the building construction

		MTH 112—Applied Math	Electives	CAB 132—Cabinet Making III	Ihird Quarter				LIB 111—Use of Library	COM 112—Communications I	COI 152—Drafting	CAB 122—Cabinet Making II	Second Quarter				ORI 111—Freshman Orientation	SCI 112—Applied Science	COT 142—Blueprint Reading	CAB 112—Cabinet Making I	First Quarter
18	1	4	8	თ	Credits		15			4	ω	7	Credits		16	1	_	4	ω	8	Credits
		Elective	COT 232—Interior Finish II	Cabinet Making	CAB 232—Special Projects in	Sixth Quarter				COT 222—Interior Finish I	CAB 222—Cabinet Installation	Fifth Quarter				(Or HED 111)	HED 121—First Aid & Safety Ed.	PSY 112—Human Relations	Plastic Laminates	CAB 212—Spray Finishes &	Fourth Quarter
18	1	4	8	6		Credits		16	1	8	&	Credits		16	ı	4		4	8		Credits

Cooperative program offered at Wabash Valley College COAL MINING TECHNOLOGY-CERTIFICATE

ations is a much safer industry today. vary from \$10,000.00 to \$15,000.00 per year. The coal industry because of Federal regul-Coal mining is the most rapidly expanding industry in the nation. Wages in this field

	CMT 132—Lamp & Detection Instruments CMS 132—Accident Prevention & Safety MTH 112—Applied Mathematics	Second Quarter CMT 152—Roof and Rib Control		CMT 112—Introduction to Coal Mining CMT 122—Mining Law CMS 142—Coal Mine Ventilation CMS 142—Coal Mine Atmosphere	First Owner
15	4 & 4	Credits 4	16	Credits 4 6 4 2	
				Third Quarter CMT 142—Mining Equipment DLR 132—Basic Welding CMS 112—First Aid & Mine Rescue CMT 162—Problems of Operating Underground Mines	
		č	15 −	Credits 4 3	

Cooperative program offered at Wabash Valley College COAL MINING TECHNOLOGY

from \$10,000.00 to \$15,000.00 per year. The coal industry because of Federal regulations Coal mining is the most rapidly expanding industry in the U.S. Wages in this field vary is a much safer industry today.

Third Quarter CMT 142—Mining Equipment DLR 132—Basic Welding CMS 112—First Aid & Mine Rescue CMT 162—Problems of Operating Underground Mines	Second Quarter CMT 152—Roof and Rib Control CMT 132—Lamp & Detection Instruments CMS 132—Accident Prevention & Safety MTH 112—Applied Mathematics	First Quarter CMT 112—Introduction to Coal Mining CMT 122—Mining Law CMS 142—Coal Mine Ventilation CMS 122—Coal Mine Atmosphere
Credits 4 4 4 5 15 15 15 15 15 15 15 15 15 15 15 15 1	Credits 4 4 4 3 3 4 15 15 15 15 15 15 15 15 15 15 15 15 15	Credits 4 6 4 7 16
Sixth Quarter CMT 222—Mine Hydraulics III CMT 252—Mine Electrical Maintenance III CMT 292—Operation of Mine Machinery Social Science Elective	Fitth Quarter CMT 212—Mine Hydraulics II CMT 242—Mine Electrical Maintenance II CMT 282—Transmission Systems & Drive Train Humanities Elective	Fourth Quarter CMT 192—Mine Hydraulics I CMT 232—Mine Electrical Maintenance I CMT 272—Mine Machinery Repair CMT 262—Mine Conveyer Belt Maintenance Communications Elective
17 Credits 4 4 4 4 16	Credits 4 4 4	Credits 4 4 4 4 4 4

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CONSERVATION & OUTDOOR RECREATION Cooperative program offered at Wabash Valley College

Preservation of resources and promotion of the outdoor life style is the primary responsibility of someone employed in recreation and conservation. Employment can be obtained in the Dept. of Interior, U.S. Forestry Service, Dept. of Agriculture, and the state parks system. Salaries vary from \$4,500.00 to \$12,000.00 per year.

	13			
	ļ			
١	4	Elective (Humanities)		
Г	_	INC 111—Archery		
	4	Law Enforcement		
٦		COR 252—Conservation		
	4	COR 232—Park Maintenance III	- 7	
	Credits	Seventh Quarter	i	
	į			CUR 152—Angling
	16		4	Control peaking
	ļ			STE IT I TUNDAMENTALS OF
	4	BIO 192-Local Fauna	4	SDE 111 Final Common SDE 111 F
r	4.	MTH 112—Applied Mathematics		Administration of
 -	. 4	COM 132—Communication Materials		Administration &
٦	4	COR 222—Park Maintenance II	4	DDF 121 Committee (
	Credits	Sixth Quarter	4	COB 313 Book Mainta
		, 1	Credits	BIO 189 Local Figure
ŗ	16			Third Quarter
	1		19	
٦	N	COR 292—Crafts Supervision	;	
	4	Administration	_	Solit Fit Salety
ļ		COR 242—Recreation Area		COR 142—Gim Safati
	2	COR 282—Interpretative Science	· U	COB 162—Seminar in COB
	5	AGH 212—Agricultural Chemicals	4 r	AGR 132—Introduction to Soils
٦	ω	Surveying	4 4	HED 112—First Aid & Pharmacology
		SRV 112—Introduction to	4.	COM 112—Communication I
	Credits	Fifth Quarter	Credits	PSY 111—Business Psychologic
	5			Social Occupant
	10-15		14	
Ţ	-		j	
	4	& Social Structure	2	CUR 132—Boating & Boat Safety
		SOC 112—Community Organization	4	Principle in operation
		COR 272—Seminar in COR II		COH 122—Gas Engines,
	5-10	(Variable Credit)	4	BIO 112—Ecology
	Credits	COR 262—Internship	4	COR 112—Introduction to COR
	Cradita	Fourth Quarter	Credits	First Quarter

DATA PROCESSING KEYPUNCH CERTIFICATE Cooperative program offered at Lincoln Trail College

Graduates should be able to: transfer data accurately from written form into machine readable form, program the data entry device to speed up entry for recurrent data, carry out instructions.

		TYP—Typing	PSY 122—Human Relations in Bus. & Ind.	BUS 121—Calculating Machines	BUS 111—Bus. Math. (or related elect.)	Second Quarter (Winter) Credits
16	l	4	4	4	4	dits

DATA PROCESSING-PROGRAMMING ASSOCIATE IN APPLIED SCIENCE DEGREE Cooperative program offered at Lincoln Trail College

Typical entry level job titles for degree program graduates are: programmer trainee, maintenance programmer, programmer-analyst, programmer, analyst, and coder.

Graduates should be able to: gather management information needs from the hardware user; translate user needs into systems analysis flowcharts; correctly use computer languages including: Assembly, COBOL, and FORTRAN to design successfully operating routine programs; fill most jobs below the programmer level.

Third Quarter (Spring) ACC 231—Accounting III COM 122—Communications II DAP 122—Data Processing Applications DAP 262—Programming Project DAP—Data Processing Elective 19	Second Quarter (Winter) ACC 221—Accounting II COM 112—Communications I DAP 132—Intro. to Systems & Program. DAP 252—Programming Principles 4 17	First Quarter (Fall) ACC 211—Accounting I DAP 212—Introduction to Data Process. LIB 111—Use of the Library MGT 111—Introduction to Business MTH 151—College Mathematics I ORT 111—Freshman Orientation
dits 5 4 4 19	dits 5 4 4	Credits 5 4 4 4 4 4 4 1 9 1 9 1 9 1 9 1 9 1 9 1 9
Sixth Quarter (Spring) DAP 242—Field Project and/or Internship MGT 272—Records Management PSY 122—Human Relations in Bus. & Ind. Elective	Fifth Quarter (Winter) DAP 272—Advanced Systems DAP 282—Cobol II Data Proc. Related Elective Social Science Elective	Fourth Quarter (Fall) DAP 222—Cobol I ECN 211—Principles of Economics I MGT 131—Business Statistics Elective
Credits ip 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Credits 4 4 4 4 4 4 4 16:	Credits 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

ELECTRONIC TECHNOLOGY

Cooperative program offered at Wabash Valley College

On completion of the electronic technology program a student may enter the industry as an engineering technician. As an engineering technician the student can expect a wage of \$3.00 to \$7.50 per hour. The demands of modern society clearly indicate good employment opportunities.

FIRST YEAR		SECOND YEAR		
First Quarter	Credits	Fourth Quarter	Credits	
ELC 112—Electricity I	4	ELC 232—Pulse & Digital Circuits	4	
MTH 122—Electronics Mathematics	4	ELC 252—Industrial Electronics	. 4	
ELC 152—Technical Drafting	4	PSY 111—Business Psychology	4	
COM 112—Communications I	4	ELC 212—Electronics i	4	
ORT 111—Freshman Orientation	4		1.	
	1		16	
	17			

				ELC 142—Solid State Circuits II	PHY 171—Physics III	MTH 142—Electronics Mathematics III	ELC 192—Applied Electricity III	Third Quarter			PHY 161—Physics II	ELC 132—Solid State Circuits I	MIH 132—Electronics Mathematics II	ELC 122—Electricity II	Second Quarter
		17	1	4	5	4	4	Credits	17	i	5	4	4	4	Credits
		the United States	PLS 211—Government of	MGT 252—Business Economics	in Electronics	ELC 272—Special Problems	ELC 262—Microwave Theory	Sixth Quarter			COM 122—Communications II	ELC 162—Electronic Drafting	ELC 282—Basic Computer Principles	ELC 222—Electronics II	Fifth Quarter
16	1	4		4	4		4	Credits	16	ļ	4	4	4	4	Credits

MEDICAL SECRETARY Certificate Program

Cooperative program offered at Olney Central College

The OCC Medical Secretary Option to the Secretarial Science Certificate Program is designed to prepare medical secretaries, medical transcriptionists, medical receptionists and other related personnel to meet the needs of area and national medical offices. Jobs are available in this area in hospitals, clinics, doctors' offices, insurance companies, health foundations, local industries, Illinois State and U.S. Government agencies. The pay scale for a one-year graduate in the Medical Secretarial Science Program would be \$90-\$125, depending on the type of job. The demand for well-trained medical secretaries is increasing due to the expansion of medical services and medical agencies and the increase in required medical records and forms which must now be kept.

17	SHD 121—Typewriting II SHD 121—Shorthand II 4	MGT 121—Business Correspondence 4	an Anatomy & Physiolog	Second Quarter Credits	19	1	LIB 111—Use of Library 1	ORT 111—Freshman Orientation 1	SHD 111—Shorthand I 4	TYP 111—Typewriting I 4	HAP 111—Human Anatomy & Physiology 5	(Or CMP-111) 4	COM 112—Communications I	First Quarter Credits	
									SHD 131—Shorthand III	TYP 131—Typewriting III	SEI 112—Secretarial Lab I	Machines	BUS 141—Dictation & Transcribing	Third Quarter Cr	
							14	I	4	4	4	N		Credits	

MEDICAL SECRETARIAL SCIENCE Associate in Applied Science Degree Cooperative program offered at Olney Central College

The OCC Medical Secretarial Option to the Secretarial Science Associate in Applied Science Degree Program is designed to prepare medical secretaries, medical transcriptionists, medical receptionist, medical office assistants, and other related personnel to meet the needs of area and national medical offices. Jobs are available in this area in hospitals, clinics, doctors' offices, insurance companies, health foundations, local industries, Illinois State agencies and U.S. Government agencies. The pay scale for a two-year graduate in the Medical Secretarial science Program would be

\$100-\$150, depending on the type of job. The demand for well-trained medical secretaries is increasing due to the expansion of medical services and medical agencies and the increase in required medical records and forms which must now be kept.

14	Machines 2	SEI 112—Secretarial Lab I BUS 141—Dictation & Transcribing	SHD 131—Shorthand III 4	TYP 131—Typewriting III or Elective 4	Third Quarter Credits		17	1	SHD 121—Shorthand II 4	TYP 121—Typewriting II or Elective 4	MGT 121—Business Correspondence 4	HAP 121—Human Anatomy & Physiology 5	Second Quarter Credits		19	1	ORT 111—Freshman Orientation 1	LIB 111—Use of the Library	SHD 111—Shorthand I 4	TYP 111—Typewriting I 4	HAP 111—Human Anatomy & Physiology 5	(Or CMP-111) 4	COM 112—Communications I	First Quarter Credits	
	7-19	SES 212—Secretarial Seminar I	SEI 232—Secretarial Internship III 2-6*	SEI 222—Secretarial Internship II 2-6*	SEI 212—Secretarial Internship I 2-6*	Sixth Quarter Credits		16	1	Transcribing 4	MSC 242—Medical Dictation &	MSC 232—Medical Office Procedures 4	Elective (Humanities) 4	PSY 112—Human Relations 4	Fifth Quarter Credits		16	1	& Terminology 4	MSC 212—Medical Transcribing Machines	TYP 212—Production Typing 4	MGT 272—Records Management 4	SHD 211—Shorthand IV 4	Fourth Quarter Credits	

'Students are reminded that they must enroll for a sufficient number of quarter hours to meet graduation requirements.

PETROLEUM TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE DEGREE

Cooperative program offered at Lincoln Trail College

Typical entry level job titles for degree program graduates are: exploration technician, engineering aide, log technician, production technician, refining unit operator, gas storage technician, service and supply technician, and petroleum supply salesman.

Graduates should be able to: interpret and understand common exploration problems and methods, use the major tools of subsurface exploration, demonstrate a working use of the physics involved in the drilling process, prescribe corrective action for common oil field production breakdowns, supervise production crews, apply physics, chemistry, and math to oil refinery jobs, operate computer terminals to obtain data analysis, demonstrate fundamental sales skills.

Graduates should qualify for technician level positions in one or more of the following career subdivisions: exploration, drilling, production, refining, storage, and sales.

		EDR 172—Graphic Presentation	Social Science or History Elect.	MTH 152—Technical Mathematics I	PET 112—Int. to Petroleum Industry	CHM 111—Chemistry I	First Quarter (Fall)	
18	1	2	4	4	ω	ហ	Credits	
		PET 122—Petroleum Technology Seminar	Humanities (Elective)	MKT 221—Principles of Salesmanship I	PHY 151—Physics I (Heat, Mech. & Hyd.)	PET 212—Petroleum Completion Method I	Fifth Quarter (Fall) Credit	
19	١	2	4	4	S	4	lits	

	COM 112—Communications I	GEO 112—Petroleum Geology	MTH 162—Technical Mathematics II	DAP 212—Int. to Data Processing	Second Quarter (Winter)
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Credits

Sixth Quarter (Winter)

hird Quarter (Spring) DHM 122—Petroleum Chemistry BEO 122—Petroleum Geology II COM 122—Communications II BRV 112—Introduction to Surveying	SEO 112—Petroleum Geology (COM 112—Communications (
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•	Third Quarter (Spring) CHM 122—Petroleum Chemistry GEO 122—Petroleum Geology II COM 122—Communications II SRV 112—Introduction to Surveying	
	Chemistry Geology II ations II	

PET 132—Petroleum Tech. Internship	Fourth Quarter (Summer)
12	Credits

PET 222—Petroleum Prod. Method II PHY 161—Physics II (Elec., Mag. & Mech.) Approved Elective for Petroleum Technology Elective

Cooperative program offered at Wabash Valley College RADIO TV BROADCASTING

program could be employed at public broadcasting, commercial broadcasting and in Broadcasting is a rapidly expanding field. A graduate of the radio and T.V. broadcasting mass transportation. Wages are as low as \$2.35 to No Limit.

First Quarter CMP 111—Composition I SPE 111—Fundamentals of Effective Speaking ORT 111—Freshman Orientation I ARAD 122—Radio Station Operation To Broadcasting I RAD 122—Introduction I BRD 122—Radio Speech RAD 122—Introduction I BRD 112—Personal Hygiene RAD 162—Introduction I BRD 132—Radio Speech RAD 132—Radio Workshop Lab Sixth Quarter Third Quarter RAD 132—Radio Workshop Lab Sixth Quarter					
position I A RAD 122—Radio Station Operation amentals of RAD 122—Radio Station Operation Production I RAD 122—Radio Workshop Lab I RAD 122—Radio Workshop Lab I RAD 132—Radio Workshop Lab I RAD 262—Radio Advertising and Copywriting ABL 212—Radio Workshop Lab I Workshop Lab Speech Workshop Lab Credits RAD 262—Radio Advertising and Copywriting ABL 212—Radio Workshop Lab Workshop Lab Sixth Quarter MKT 221—Principles of Salesmanship I Credits RAD 152—Television Production RAD 182—Radio Workshop Lab Workshop Lab Seventh Quarter RAD 182—Radio Programming RBL 222—Radio Workshop Lab Seventh Quarter RAD 182—Radio Production RAD 182—Radio Production RAD 182—Radio Production RAD 292—Television Production CRAD 292—Television Production RAD 292—Television Production	-	5	HBL 232—Hadio Workshop Lab		
position I Credits A RAD 122—Radio Station Operation amentals of I A RAD 122—Radio Station Operation RAD 142—Radio-TV News Writing RAD 142—Radio Workshop Lab I BE 132—Radio Workshop Lab I MGT 111—Introduction I To Business RAD 262—Radio Advertising and Copywriting A RBL 212—Radio Workshop Lab Humanities Elective I Workshop Lab Sixth Quarter I MKT 221—Principles of Salesmanship I RAD 182—Radio Programming RBL 222—Radio Workshop Lab Workshop Lab FAD 182—Radio Workshop Lab Salesmanship I RAD 182—Radio Programming RBL 222—Radio Workshop Lab Workshop Lab Seventh Quarter RAD 292—Television Production Seventh Quarter RAD 292—Television Production A RAD 182—Radio Production RBL 222—Radio Workshop Lab Seventh Quarter RAD 293—Television Production A RAD 182—Radio Production RBL 222—Radio Workshop Lab		1	חבר מסס חבר: ועלים מסמסמסמסמסמסמסמסמסמסמסמסמסמסמסמסמסמסמס		
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position I Credits Fourth Quarter RAD 122—Radio Station Operation RAD 142—Radio-TV News Writing RAD 142—Radio Workshop Lab RBL 132—Radio Workshop Lab HBL 132—Radio Workshop Lab Fifth Quarter MGT 111—Introduction RBD 262—Radio Advertising and Copywriting ARD 262—Radio Workshop Lab Humanities Elective Systems I RAD 262—Radio Workshop Lab Humanities Elective Systh Quarter MKT 221—Principles of		4	Salesmanship I		Third Ougster
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omposition I Credits Fourth Quarter RAD 122—Radio Station Operation RAD 142—Radio-TV News Writing RAD 142—Radio Workshop Lab RBL 132—Radio Workshop Lab roduction 1 Fifth Quarter MGT 111—Introduction		4	to Business	18	
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omposition I Credits Fourth Quarter 4 RAD 122—Radio Station Operation RAD 142—Radio-TV News Writing RAD 132—Radio Workshop Lab roduction 1 RBL 132—Radio Workshop Lab roduction 1 4 RBL 132—Radio Workshop Lab		Credits	Fifth Quarter	O1	HAD 222—Transmitter Systems I
Omposition I Credits Fourth Quarter 4 RAD 122—Radio Station Operation RAD 142—Radio-TV News Writing saking 4 RBL 132—Radio Workshop Lab troduction		ō		4	to Broadcasting I
omposition I Credits Fourth Quarter 4 RAD 122—Radio Station Operation Indamentals of RAD 142—Radio-TV News Writing Paking 8 RAD 142—Radio Vorkshop Lab 8 RAD 132—Radio Workshop Lab		12			RAD 112—Introduction
Credits Fourth Quarter omposition I 4 RAD 122—Radio Station Operation Indamentals of RAD 142—Radio-TV News Writing RAD 142—Radio Workshop Lab RBL 132—Radio Workshop Lab		، ا		_	ORT 111—Freshman Orientation
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Credits Fourth Quarter omposition I 4 RAD 122—Radio Station Operation		Δ.	RAD 142—Radio-TV News Writing		SPE 111—Fundamentals of
Credits Fourth Quarter		4	RAD 122—Radio Station Operation		CMP 111—Composition I
		Credits	Fourth Quarter	Credits	First Quarter

continuing

education

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DIVISION OF CONTINUING EDUCATION AND COMMUNITY SERVICES

The Division of Continuing Education and Community Services makes available a comprehensive program of educational activities which are especially designed to meet the needs of adult citizens. Included in the program are credit courses from the baccalaureate and occupation oriented areas, general studies credit courses and non-credit public service courses, public service activities such as workshops, conferences and seminars, and other community service activities as needed.

I. CREDIT COURSES AND PROGRAMS

The College attempts to offer a variety of credit courses during the evening hours. A complete schedule of available credit classes is published by the College on a semester basis. Many adults are finding it possible to complete the requirements of an associate degree by attending evening classes on a regular basis. Interested students should follow the procedures explained in preceding sections of the *College Bulletin*.

II. GENERAL STUDIES ADULT EDUCATION COURSES AND PROGRAMS

General Studies Adult Education courses are made available in several program areas. Low tuition and flexible enrollment procedures make it possible and convenient for any citizen of the College District to enroll in Adult Education classes. Enrollment in these classes does not require formal admission to the College.

The student may elect to complete any sequence of courses totalling eight semester hours (five semester hours for the Health, Safety and Environment program and the Cultural program) to be eligible for a Certificate of Achievement in any of the programs listed below.

GENERAL STUDIES COURSES

Homemaking

Activities for Young Children

Guidance of the Pre-School
Child
Pre-School Art and Activities
Pregnancy and Early Infant
Care
Food Budgeting
Investments
Insurance Fundamentals
I

Personal Income Tax Preparation

Fersonal Money Management
Home Planning and Design
Interior Decorating
Furniture Reupholstering I
Furniture Reupholstering II
Beginning Sewing
Intermediate Sewing

Advanced Sewing
Tailoring (Women's Clothing)
Tailoring (Men's Clothing)
Drapery Making
Sewing With Knits
How to Parent
Basic Plumbing for Home-

makers
Family Resources and Management

Household Equipment
Consumer Problems
Flat Pattern Adjustments and
Alterations

DEVELOPMENT AND/OR REVIEW OF VOCATIONAL SKILLS

Sign Painting and Construction
I
Sign Painting and Construction
II
Sign Painting and Construction
III
Introduction to Hospital Accounting
Introduction to Hospital
Financial Management
Hospital Budgeting

Hospital Budgeting
Introduction to Bookkeeping
(Part I)
Introduction to Bookkeeping
(Part II)

(Part II)
Introduction to Bookkeeping
(Part III)
Introduction to Shorthand (Part

Introduction to Shorthand (Part II)
Shorthand Speed Building
Shorthand Theory and Review
Introduction to Typewriting
(Part I)

Introduction to Typewriting (Part II)
Introduction to Typewriting (Part III)

Typewriting Review
Introduction to Business Filing
Introduction to Office Machines
Introduction to Receptionist
Procedures

Introduction to Business
English
Introduction to Business Law
Techniques of Supervision

Basic Industrial Psychology for Supervisors Introduction to Industrial Traffic Management Labor Relations and the In-

dustrial Supervisor
Fundamentals of Electricity
Arc Welding

Oxyacetylene Welding
Basic Refrigeration
Appliance Repair
Data Processing I
Data Processing II

Data Processing III Blueprint Reading (Industry) Blueprint Reading (Building Trades)

Automotive Brakes and Suspensions
Drafting

Advanced Arc Welding
Waste Water Treatment
Recognition of Basic Cardiac

Recognition of Basic Cardiac Arrhythmias: A Nursing Approach Medicationa I

Aviation Ground School
Secretarial and Office Practice
(Part I)
Secretarial and Office Practice

Secretarial and Office Practice
(Part III)

(Part III)
Machine Shop (Part I)
Quality Control and Inspection
(Part I)

Restorative Nursing

New Trends in Cosmetology

Quality Control and Inspection Principles of Bank Operation Machine Shop (Part III) Machine Shop (Part II) (Part II)

Basic Water Treatment Plant Principles and Business Management Installment Credit Operation Commercial Art Techniques of

Advanced Water Intermediate Water Plant Operation Treatment

Medicationa II Plant Operation Treatment

Visual Communication in Ad-Coronary Care Nursing (Part II) Coronary Care Nursing (Part I) vertising

Real Estate Refresher Real Estate Services Real Estate Principles Advanced Real Estate Principles Real Estate Transactions

> Fire Science Instructor Course-Fire Science Basic Training IV Fire Science Basic Training III Bank Data Processing Fire Science Basic Training II Fire Science Basic Training Law and Banking Basic Level

Police Mid-Management Super-

Principles of Criminal Investigation

Principles of Narcotics Investigation

Police Emergency Medical

Fundamentals of Quilting and aw for Police Marketing

Basic Refrigeration III Basic Refrigeration II Automotive Mechanics Certifi-Training for Security Guards cation Refresher Course

HEALTH, SAFETY, AND ENVIRONMENTAL STUDIES

Advanced Physical Fitness for Physical Fitness for Men Alcohol and Drug Abuse Home Canning, Freezing and Mental Health Preserving

Advanced Physical Fitness for Physical Fitness for Women

Personal Defense for Men and Women Women

> Aging and Health Care Gun Safety **Boating and Water Safety** Basic Industrial Safety Motorcycle Maintenance Motorcycle Maintenance Enjoying Retirement Years Certified Advanced First Aid Environmental Education Repair (Beginning) Qo Qο

Designing the Man-Made Repair (Advanced, Environment

DEVELOPMENT AND PREPARATORY STUDIES/SKILLS

Adult Basic Education II

Review of Basic Social Studies Review of Basic Science Skills II Review of Basic Math Skills I Review of Basic Social Studies Review of Basic Science Skills I Review of Basic Math Skills II Review of Basic English Skills II Review of Basic English Skills I Skills Skills II

Review of Basic English Skills Review of Basic Math Skills III Total Communication for Hearing Impaired

> Basic Reading Development III Basic Reading Development II Basic Reading Development I General Education Develop-Adult Basic Education I Total Communication for General Education Develop-General Education Development Review III ment Review II ment Review I Hearing Impaired II

PERSONAL DEVELOPMENT

Fundamentals of Insurance Speed Reading Public Speaking Forensic Photography Driver Education Current Events Comparative Religions

Opportunities for Supplemental Archaeology and Prehistory of Historic and Scenic Southern Creative Writing Southern Illinois

IMPROVING FAMILY CIRCUMSTANCES

Fundamentals of Electrical Fundamentals of Electrical Woodworking III Woodworking II Woodworking I Wiring II Wiring I

Outboard Motor Mechanics Small Appliance Repair Natural Foods Cookery Small Gasoline Engine Repair Engine Tune-Up and Maintenance

CULTURAL CURRICULUM

Beginning Piano Elements of Drawing and Survey of Artistic Expression Technological and Cultural Painting Indian Traditions of the American

Fundamentals of Class Voice Survey of Oriental Art Basic Ceramics II Basic Ceramics I Intermediate Piano Advanced Piano Fundamentals of Pastel Painting

III. PUBLIC SERVICE COURSES

by the College. ble for State reimbursement and, thus, can only be offered as a public service Many courses of a hobby, recreational or leisure time nature are not eligi-

District, a limited number of such courses will be offered during the 1975-76 academic year. A flat fee, depending on the course, will be charged for enroll-Since the College wishes to meet the educational needs of all citizens of the ing in any of these courses.

public service courses. priority will be given to new students and, then, to students wishing to repeat repeated by the student as many times as he wishes on a priority basis. First The courses carry no credit, are not applicable to any certificate, and may be

Many continuing education needs are best met through short-term activities

IV PUBLIC AND COMMUNITY SERVICE ACTIVITIES

munity organization from within the College District that has evidence of an educational need. lege's facilities and personnel are available to any group of citizens or comsuch as workshops, conferences, seminars, and special projects. The Col-

COURSES AND COMMUNITY SERVICE ACTIVITIES V. ENROLLMENT IN CONTINUING EDUCATION

first-serve" basis. attending the first meeting of the class. All enrollment is on a "first-come-Education at 985-3741 or 549-7335. Enrollment can also be completed by plished by merely visiting, writing or telephoning the Office of Continuing ment in adult education courses or educational activities can be accomterm. Announcements of community service activities are made on a periodic are available at the Office of Continuing Education prior to the start of each the procedures outlined in previous sections of the College Bulletin. Enrollbasis. Students desiring to enroll in evening credit classes should follow Schedules of evening credit and adult education general studies classes

Listing of Public Service Courses

Advanced Photography

Coin Collecting Candle Making Cake Decorating Beginning Guitar Ballroom Dancing Antiques Identification and Marketing Advanced Tennis

Genealogy and Family Genetics Fundamentals of Golf Dog Obedience Creative Stitchery Creative Glass Blowing Community Recreation

Horseshoeing Horse Care and Management Home Movie Making

Introduction to Decoupage Intermediate Photography Illinois Game Fishing

Introduction to Tennis Introduction to Photography

Macrame

Social and Square Dancing Poodle Grooming and Basic Obedience

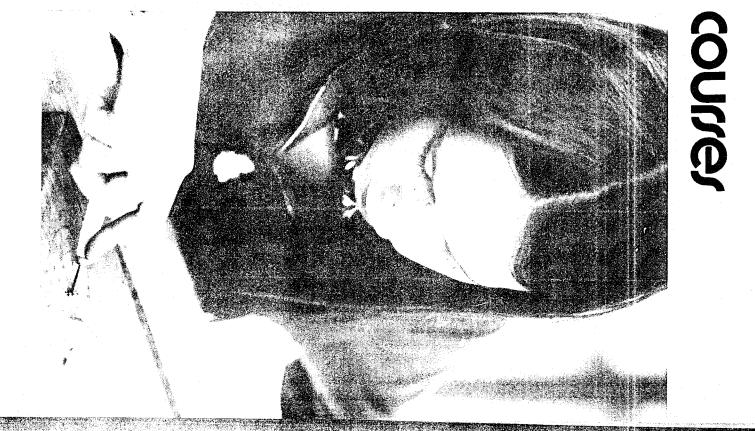
Woodcarving Weaving Taxidermy











DEPARTMENT OF COMMUNICATIONS/HUMANITIES

Art

Art 100 FUN

FUNDAMENTALS OF ART (THREE-DIMENSIONAL)

4 hours

Prerequisites: None 6 hours weekly (2-4)

Analysis of basic elements used in the visual ordering of three-dimensional space. Emphasis will be placed on varieties of mass and scale, especially those involving man and his environment. Various kinds of expendable materials will be used.

101

Prerequisites: None

FUNDAMENTALS OF ART (TWO-DIMENSIONAL)

4 hours

6 hours weekly (2-4)

Learning to control two-dimensional space in black and white, and color is the purpose of this course. This includes the use of balance, unity and variety, figure ground relationship, proportion, and color theory for the purpose of organizing form and color. This course is designed to build a foundation for all visual means of communication, especially drawing, painting, design and graphic arts. Media included are college, drawing, painting and possibly graphics.

Art 111

Prerequisites: None

ART APPRECIATION

3 hours

3 hours weekly (3-0)

This course attempts to develop interest, aptitude and understanding thru visual, verbal and actual experience with media. A basis for approaching visual arts is also included. Emphasis is on exposure to the visual arts.

Art 180
Prerequisites: None

BEGINNING DRAWING

3 hours

6 hours weekly (0-6)
Making marks on a piece of paper has long been a means of human expression.
Sharpening observation skills and learning techniques to translate these observations to visual organizations on flat surfaces is the primary orientation of this course.

Art 210

ART FOR CHILDREN

hours

Prerequisites: None 5 hours weekly (1-4)

A study of the creative development of the child from pre-school through elementary level, including participation in methods of using various materials which are best suited to particular stages of development. A study of purposes of art and crafts as a means of achieving educational goals should help in understanding and appreciation of the child through his art.

Art 220

ART HISTORY

nours

Prerequisites: None 4 hours weekly (4-0)

A general survey of history of art (painting, sculpture, architecture), from Prehistoric to the present.

INTRODUCTION TO WEAVING

2 hours

Prerequisites: None

Art 230

4 hours weekly (0-4)

Basic differences in fibers and their manipulation from the basic looping, knotting twining techniques to simple loom arrangements for making fabrics will be covered in this basic introductory class. The skills of this area can be used both for a means of self expression and the production of useful objects.

Art 240

BEGINNING SCULPTURE

hours

Prerequisites: None 4 hours weekly (0-4)

A studio discipline. A utilization of three-dimensional elements, with additional concentration of the study of form relationships. Both figurative and non-figurative forms will be explored. The student will be introduced to such materials as wood, plaster, and clay.

50 INTRODUCTION TO CERAMICS

Prerequisites: None

4 hours weekly (0-4)

Clay is one of man's oldest materials. Familiarizing the students with its particular properties and the fundamental methods for forming it (basic handbuilding techniques, wheel-throwing, decorating, and firing it) are the content of this course.

Art 255

Prerequisites: None

LIFE DRAWING

3 hours

6 hours weekly (0-6)

This is a studio discipline. The course will be related to observation of living form with emphasis upon anatomy. Studies will include gesture, contour, proportion, mass balance, some color and interpretation. A variety of drawing materials are required.

Art 260

BEGINNING PAINTING

•

Prerequisites: Consent of instructor

4 hours weekly (0-4)

A studio discipline. Explores acrylic polymer emulsion and oil pigments. Varied approaches and methods are included in learning the functions and characteristics of the media.

English

Developmental Skills 52 (a,b)

WRITING SKILLS

2 hours

Prerequisites: None 2 hours weekly (2-0)

Basic Communications is designed to review the basic skills in college writing. The student will progress through sentence patterns and paragraph patterns to the short theme. By the end of the term, the student will be expected to write a well-organized paragraph and short theme. A student may enroll in the course or any of its two parts. This course is not designed for college transfer.

Sentence and Paragraph Patterns

Theme Patterns

English 102

Prerequisites: None

3 hours weekly (3-0)

designed for college transfer. Credit earned in this course will count toward graduation. phasized. A student may enroll in the course or any of its six parts. This course is no in reading skills. Comprehension, study skills, reading speed and vocabulary are em-Intended for those students who have need for reinforcement and additional training

- Word Power—Students will put into practice four work attack skills: structural anal useful way to acquire knowledge of standard usages, also. available in this course. Students who use ethnic or regional dialects may find this is a tion, a study of the correspondence between oral language and written language is ysis (prefixes, roots, suffixes), context clues (using contextual surroundings to get word meaning), word card sets (student constructed), and dictionary skills. In addi-
- organization of expository writing. Students will learn to select main ideas in sen-Basic Comprehension Skills—In this section students will concentrate on the basic tences, paragraphs and longer selections, to select specific details and to recall in logical sequence what they read.
- book study method (SQ3R), and college lecture and textbook notetaking. They will Study Skills—Students electing to take this section will practice an organized textprepare personal study schedules.
- Speed Reading—To increase speed of comprehension, students will work on those reading pacers, workbook materials and paperback books. or word-by-word reading. Students will practice effective speed reading skills with specific problems which cause them to read slowly: regressions, vocalizations, and
- Advanced Comprehension-The major focus of this section will be on learning to apply criteria for determining authority and to define and detect logical fallacies. to differentiate between fact and opinion, to locate connotative use of language, to understand an author's ideas, students will learn to evaluate the material by learning critically evaluate written material. Besides using basic comprehension skills to
- Individually Designed Modular-The student who selects this section will work the maximum flexibility needed for planning an appropriate program for the individ individual problems. The intent of including this section in the program is to allow with the instructor to create whatever program is needed to deal with the student's

Prerequisites: English 101

3 hours weekly (3-0)

into the study and analysis of various literary genres. This course further develops the skills in expository prose and extends these skills

English 103

Prerequisite: English 10:

CREATIVE WRITING

grade in English 101 or obtain the permission of the instructor. English Composition. Prior to registering for this course, a student should have a "B cism. This course or English 102 will fulfill the requirements of the second semester of student's sensory observations and to inculcate the ability to criticize and accept critiniques and forms of the short story, poetry and drama. It will attempt to stimulate the English 103 is an introductory course in creative writing. The course will cover tech-3 hours weekly (3-0)

English 111
Prerequisites: None

COMMUNICATIONS

3 hours weekly (3-0)

effectively in the technical and practical field A course devoted to developing successful writing techniques for expressing ideas

COMMUNICATIONS

3 hours

English 112

Prerequisites: None

3 hours weekly (3-0)

expressing ideas effectively in the technical and practical field. A course devoted to developing successful oral communication techniques for

Foreign Languages

Students may elect French, German or Spanish and obtain a proficiency they should begin their studies in these areas. through 4 semesters. Placement tests are available to ascertain at what level

a language as an elective or feels he might possibly need it, he is advised to only in the fall semester each year. Therefore, if the student is considering he will be unable to complete the two year sequence at the college by graduabegin his study in his first semester of the freshman year. Unless this is done, Students should make special note of the fact that language classes begin tion time.

French

French 101

ELEMENTARY FRENCH

4 hours

Prerequisites: None

Emphasis on grammar, vocabulary, pronunciation and composition. Language 4 hours weekly (4-0)

laboratory required

French 102

ELEMENTARY FRENCH

4 hours

Prerequisites: French 101 or equivalent

4 hours weekly (4-0)

of French literature. Language laboratory required Continuation of French 101 with oral practice of basic conversation and reading

will also be developed.

English 101

ENGLISH COMPOSITION

3 hours weekly (3-0)

Prerequisites: None

accurate compositions demonstrating various patterns of development. Research skil and detailed and organized paragraphs to create interesting, coherent, unified, and prose. English 101 emphasizes the use of correct and effective sentence structure

The primary objective of English 101 is to instill the basic mastery of expository

B

French 201

Prerequisites: French 102 or two years of high school French, or the equivalent, or consent of the instructor. INTERMEDIATE FRENCH

4 hours weekly (4-0)

civilization; required language laboratory assignments spoken language; reading of French literature with emphasis on French culture and training in idiomatic usage through oral and written exercises; intensive practice of Review and application of essential principles of French grammar structure and

French 202

INTERMEDIATE FRENCH

hours

Prerequisites: French 201 or equivalent

4 hours weekly (4-0)

rapid reading of representative French prose. Language laboratory required Continuation of French 201 with emphasis on refining conversational skills and

German

German 101

ELEMENTARY GERMAN

4 hours

4 hours weekly (4-0) Prerequisites: None

laboratory required Emphasis on basic skills of listening, speaking, reading, and writing. Language

German 102

4 hours weekly (4-0) Prerequisites: German 101 or equivalent

Continuation of German 101. Language laboratory required

ELEMENTARY GERMAN

hours

4 hours

or consent of the instructor. German 201 Prerequisites: German 102 or two years of high school German, or the equivalent INTERMEDIATE GERMAN

4 hours weekly (4-0)

spoken language; reading of German literature; required language laboratory assigntraining in idiomatic usage through oral and written exercises; intensive practice of Review and application of essential principles of German grammar structure and

German 202 INTERMEDIATE GERMAN

Prerequisites: German 201 or equivalent

4 hours weekly (4-0)

Continuation of German 201. Language laboratory required

Spanish

Spanish 101

ELEMENTARY SPANISH

4 hours weekly (4-0) Prerequisites: None

Language laboratory required Emphasis on grammar, pronunciation, vocabulary and oral use of the language

Spanish 102

ELEMENTARY SPANISH

4 hours

Prerequisites: Spanish 101 or equivalent

4 hours weekly (4-0)

on aural comprehension and written composition. Language laboratory required. Continuation of Spanish 101 with oral practice of basic conversation; emphasis

Spanish 201

Prerequisites: Spanish 102, or two years of high school Spanish, INTERMEDIATE SPANISH

or the equivalent, or consent of the instructor.

spoken language; reading of Spanish literature with emphasis on Spanish culture training in idiomatic usage through oral and written exercises; intensive practice of Review and application of essential principles of Spanish grammar structure and 4 hours weekly (4-0)

Spanish 202

and civilization. Language laboratory required

Prerequisites: Spanish 201 or equivalent INTERMEDIATE SPANISH

4 hours

4 hours weekly (4-0)

rapid reading of representative Spanish prose. Language laboratory required. Continuation of Spanish 201 with emphasis on refining conversational skills and

Journalism

Journalism 201

3 hours weekly (2-2) Prerequisites: None

3 hours

A study of the newspaper story. Work is provided in writing, revising, and copy

Journalism 202

3 hours weekly (1-4)

Prerequisites: Journalism 201 NEWS WRITING AND EDITING

3 hours

lines. Must be taken in sequence Theory and practice of covering news stories, preparing copy, and writing head-

Literature

4 hours

Literature 121

Prerequisites: None

INTRODUCTION

TO POETRY

3 hours

3 hours weekly (3-0)

expectations as related to the norms and traditions of historical periods matter forms, themes and styles. The course embodies a consideration of contextual An introductory course designed to facilitate a critical estimate of poetic subject

MODERN FICTION

3 hours

Literature 122

Prerequisites: None

3 hours weekly (3-0)

structure in relation to meaning with particular stress on contemporary fiction. The reading and study of representative short stories and novels. Examination of

ENGLISH LITERATURE TO 1750

Prerequisites: English Composition

3 hours weekly (3-0)

Neo-Classical Age. A survey of masterpieces of English literature from Beowulf through the end of the

Literature 212 ROMANTICISM TO PRESENT

ENGLISH LITERATURE:

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hours

Prerequisites: English Composition

3 hours weekly (3-0)

eras. A study and analysis of selected works from the Romantic, Victorian, and Modern

Literature 231

LITERATURE TO 1900 **AMERICAN**

3 hours

Prerequisites: English Composition

3 hours weekly (3-0)

Emphasis on major writers A survey of American literature from the Colonial period to the eve of the Civil War.

Literature 232

AMERICAN LITERATURE: 1900-PRESENT

3 hours

Prerequisites: English Composition

3 hours weekly (3-0)

A study and analysis of selected American writers from the Civil War to the present.

Literature 264

Prerequisites: None

3 hours

LITERATURE FOR CHILDREN

3 hours weekly (3-0) A study and analysis of the best that has been written for children or appropriate

Literature 270

for them.

AS LITERATURE THE BIBLE

3 hours

Prerequisite: English Composition 101

3 hours weekly (3-0)

and themes of the Bible. Included are archetypal patterns of characters, plots and and drama. images; mythas and history; short tales and stories; lyric poetry; the epic; the parable; A literary appreciation course to familiarize students with the basic literary forms

Literature 275

THE ART OF THE CINEMA

3 hours

3 hours weekly (3-0) Prerequisite: English Composition

a history of the motion picture industry, but also consider the techniques of motion picture production. 1890's to the present. This study of the art of the motion picture will include not only A survey of the development of the motion picture art from its beginnings in the

Literature 284

ETHNIC LITERATURE

3 hours

Prerequisite: English Composition

3 hours weekly (3-0)

cluded are examples from the following traditions: Jewish, Afro-American, Chicano the distinctive features of each tradition and how each has made contributions to American Indian, and the various European heritages. The course will seek to identify the total culture. A survey of the literature of the various racial and ethnic groups of America. In-

Literature 291 WORLD LITERATURE FROM THE HEBREWS THROUGH THE RENAISSANCE SURVEY OF WESTERN

Prerequisite: English Composition

3 hours weekly (3-0)

Renaissance. with the Masterpieces of the Ancient World, then to the Middle Ages, and finally to the Hebrew writers of the continental European writers of the Renaissance, beginning A study in translation of the literary masterpieces of Western Civilization from the

Literature 292 Prerequisite: English Composition RENAISSANCE TO THE PRESENT SURVEY OF WESTERN WORLD LITERATURE FROM

3 hours

3 hours weekly (3-0)

Realism and Naturalism, and ending with Symbolism and the Modern School 1660 to the present, beginning with Neo-Classicism, moving through Romanticism A study in translation of the literary masterpieces of Western Civilization from

Music

Music 101

CHORAL ENSEMBLE

1 hour

3 hours weekly (0-3) Prerequisites: None

not to exceed 4 hours credit John A. Logan College Choir. No auditions required. May be taken any semester

CHAMBER ENSEMBLE

hour

Music 102 Prerequisite: Consent of Instructor

3 hours weekly (0-3)

during the term; membership through instructor consultation. May be repeated not choral music specifically written for small groups. Will give public performances to exceed 4 credit hours. Open to a limited number of students. Designed to give students experience with

Music 103

SYMPHONIC BAND

1 hour

Prerequisites: None

3 hours weekly (0-3)

the term. May be repeated not to exceed 4 credit hours. experience or by consultation with the instructor. Will give public performances during John A. Logan College Band. Open to all students who have had prior instrumental

98

Music 104

STAGE BAND

Prerequisites: Consent of instructor

3 hours weekly (0-3)

performances during the term. Membership through instructor consultation. May be more "contemporary" music, i.e. jazz, dance and stage band literature. Will give public repeated not to exceef 4 credit hours. Open to a limited number of students. Designed to give the student experience in

Music 105

MUSIC APPRECIATION

3 hours

3 hours weekly (3-0) Prerequisites: None

relationship to national cultures and other art forms. tion by means of recordings. Includes a survey of musical forms and a study of music in Designed to familiarize the student with outstanding works of musical composi-

Music 106

BEGINNING CLASS

1 hour

Prerequisite: None

2 hours weekly (0-2)

mentary education majors, or child care students will find this class particularly useful keyboard instruction. Available in the piano laboratory. Music majors or minors, ele-A class designed to teach basic musical information and keyboard skills with actual

Music 107

CLASS PIANO II .

1 hour

Prerequisite: Music 106 or Proficiency

2 hours weekly (0-2)

piano laboratory. or need basic keyboard skills. This course will provide actual hands-on training in the minors, elementary education majors, child care majors, and other students who want This is the second of two courses offering basic keyboard skills for music majors/

MUSIC FUNDAMENTALS

2 hours

Prerequisites: None

be taken as an elective. Recommended elective for students in elementary education. musical training. Required for students who do not pass the theory placement. May notation, music reading, scales, chords, etc. Designed for those with little or no formal A course for the student who desires a knowledge of the basic concepts of rhythm

Music 111, 112, 113

APPLIED MUSIC

1 hour

Prerequisites: None

½ hour weekly (0-1/2)

be taken any semester not to exceed 3 semester hours credit. Students must have an instructor approved by the college and assigned by the music department or credit can-Private lessons in any field. Consult with advisor for details and requirements. May

Music 115

MUSIC FOR CHILDREN

3 hours

4 hours weekly (2-2) Prerequisites: None

music concentrations only. designed to give the techniques involved in teaching music to the child. For non-A survey and analysis of music written for children or appropriate for them. Also

THEORY OF MUSIC

Prerequisites: Passing score on placement exam or concurrent enrollment of Music 110 Music 121-122 3 hours weekly (3-0)

rently in MUS 12A and 12B techniques. Required for music majors and minors. Student must also enroll concur-Fundamentals of musicianship through study of scales, chords and part-writing

Music 12A-12B

AURAL SKILLS

Prerequisites: Concurrent enrollment of Music 121-122

2 hours weekly (0-2)

Basic sight and ear training, chord recognition and keyboard skills. Must be taken concurrently with MUS 121-122.

Music 123

MUSIC ENSEMBLE

Prerequisites: Consent of Instructor

3 hours weekly (0-3)

velop skills in concentrated areas of music. students with a combination of instrumental and vocal music experience and to deyear. Hours are to be secured for participating in musical activities. Designed to provide Students may acquire no more than 4 hours credit and not more than 2 hours per

Music 210

SURVEY OF MUSIC LITERATURE

2 hours weekly (2-0) Prerequisite: None

each historical period will be used. Required for music majors and minors. Analysis and listening of the characteristic forms and styles of music. Examples from

APPLIED MUSIC

Music 211, 212, 213

Prerequisites: None

1/2 hour weekly (0-1/2)

college and assignd by the music department or credit cannot be given. to exceed 3 semester hours credit. Students must have an instructor approved by the Continuation of Music 111, 112, and 113 sequence. May be taken any semester not

Music 221-222

THEORY OF MUSIC

3 hours weekly (3-0) Prerequisites: Music 121-122, and Music 12A and 12B

3 hours

small and large forms. Student must also enroll concurrently in Music 22A and 22B turies. Emphasis will be placed on contemporary harmony and techniques. Study of Advanced harmony. Introduction to harmonic vocabulary of late 19th and 20th Cen-

Music 22A-22B

Prerequisites: Music 121-122

AURAL SKILLS

2 hours weekly (0-2)

dictation. Must be taken concurrently with Music 221-222 Advanced listening techniques. Emphasis on rhythmic, melodic, and harmonic

Philosophy

Philosophy 111

ETHICS AND MORAL **PROBLEMS**

3 hours

Prerequisites: None

3 hours weekly (3-0)

for their solution by major philosophers. Discussion and analysis of moral problems through a survey of methods proposed

Philosophy 121

INTRODUCTION TO LOGIC

hours

Prerequisites: None

3 hours weekly (3-0)

syllogistic argument, and elementary symbolic logic. tion of linguistic fallacies, the implications of prejudice for the reasoning process on deductive and inductive inference. Examination of these areas includes a considera-Western thought. Attention is focused on the nature of language and meaning; and Examination of the basic principles of reasoning as developed in the history of

Philosophy 131

INTRODUCTION TO PHILOSOPHY

> S hours

3 hours weekly (3-0) Prerequisites: None

through an examination of their treatment by various traditions within the history of western thought. A survey of the development and evolution of classic philosophical problems

Speech

Speech 105

FORENSIC ACTIVITIES

1 hour

2 hours weekly (1-1) Prerequisites: None

vide students with contest speaking experience and to develop skills in concentrated areas of speech. year. Hours are to be secured for participating in forensic activities. Designed to pro-Students may acquire no more than 4 hours credit and not more than 2 hours per

Speech 113

THEATRE APPRECIATION

3 hours

3 hours weekly (3-0) Prerequisites: None

dents are introduced to the techniques of play production and through readings, survey representative works from classical times to the present A survey humanities course designed to foster an appreciation of theatre arts. Stu-

Speech 115

3 hours weekly (3-0) Prerequisites: None

Attention is also given to developing techniques of persuasive speaking and acsituations including conversational, impromptu, extemporaneous and formal oration. quaintance with oral interpretation

SPEECH

3 hours

The essentials of effective speaking. Students are introduced to a variety of speaking

Speech 117

FUNDAMENTALS OF THEATRE

3 hours

3 hours weekly (3-0) Prerequisites: None

in appropriate activities or projects outside the classroom. niques involved in putting together a stage production through required participation technician, scene designer and director. Practical application of problems and tech-Structured to acquaint students with problems encountered by a costumer, light

Speech 118

FUNDAMENTALS OF ACTING

3 hours

3 hours weekly (3-0)

Prerequisite: Speech 115 or Consent of Instructor

sentation and to effectively participate in the rehearsal and performance of a play be presented. Stage nomenclature, movement, and preparation of character analysis for a role will This course will provide the aspiring actor with the skills to prepare a role for pre-

Speech 121

ADVANCED PUBLIC SPEAKING

3 hours

3 hours weekly (3-0) Prerequisites: Speech 115

situations. Designed to prepare students for audience analysis in various types of speaking

Speech 122

DISCUSSION AND CONFERENCE

3 hours

Prerequisite: Speech 115 or Consent of Instructor

3 hours weekly (3-0)

in the principles and methods of group discussion, conference participation, and leadership of group discussion and conference Current world problems and issues are used as a vehicle to prepare the student

DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

Health

Health 110

Prerequisites: None

HEALTH EDUCATION

3 hours

3 hours weekly (3-0)

student's attitudes, habits and practices pertaining to the physical, mental, social and emotional environment. Designed to provide a sound knowledge of health in order to favorably influence the

Health 115

3 hours weekly (2-2)

Prerequisites: None FOUNDATIONS OF HEALTH AND PHYSICAL FITNESS

of areas of obesity, nutrition and total physical fitness through balanced living health and physical fitness for efficiency and longevity. Discussion and lab testing Emphasis is placed on the physiological aspects of health. An analysis of personal

(0-2)Service Courses Physical Education

for courses that begin late in the semester. weekly for two hours of credit, or an equivalent number of contact hours Service classes meet two hours weekly for one hour of credit, four hours

P.E. CO-ED 136 P.E. CO-ED 137 P.E. CO-ED 137 P.E. CO-ED 138 P.E. CO-ED 140 P.E. CO-ED 141 P.E. CO-ED 142 P.E. CO-ED 143 P.E. CO-ED 144	P.E. Women 127 P.E. Women 127 P.E. Women 128 P.E. Women 129 P.E. Women 130 P.E. Women 131 P.E. Women 132 P.E. Women 132 P.E. Women 133 P.E. Women 133 P.E. CO-ED 135	~ ~ ~ ~ · ·	P.E. Men 102 P.E. Men 103 P.E. Men 104 P.E. Men 105 P.E. Men 106 P.E. Men 107 P.E. Men 108 P.E. Men 110 P.E. Men 111
(Tour Service areas explored) LIFE-SAVING CAMPCRAFT AND SURVIVAL SAILING AND CANOEING WATER SKIING ADVANCED TENNIS BOWLING ADVANCED GOLF SOCIAL & SQUARE DANCE ARCHERY GOLF FOLK DANCE	ADMINTON ADMINTON YMNASTICS OFTBALL OLLEYBALL ASKETBALL ASKETBALL OLK DANCE OLK DANCE PACK & FIELD ECREATIONAL ACT	SOCCEH SOCCEH VOLLEYBALL VOLLEYBALL BASKETBALL INDIVIDUAL PHYSICAL EDUCATION INDIVIDUAL PHYSICAL EDUCATION INDIVIDUAL PHYSICAL EDUCATION BEGINNING SWIMMING INTERMEDIATE SWIMMING BEGINNING GOLF TENNIS	EGIN EGIN EGNIS ENNIS YMNI YMNI YMNI YMNI YMNI YMNI YMNI YMNI



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Majors Courses

3 hours weekly (3-0)

Credi

demonstration hours per week. ministration of intramural programs. All majors courses involve three lecturegained through assisting in teaching of service classes and aiding in the adthe methodology of teaching various activities. Added experience can be physical activity programs: The courses offered are primarily oriented toward coaches in the public school systems or other social agencies which promote These courses are intended to begin qualifying students as teachers or

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P.E. Women 182 P.E. Women 183	P.E. Women 180	E. Women	Women	Women		Women	Women	P.E. Men 159	P.E. Men 158	P.E. Men 157	P.E. Men 156	P.E. Men 155	P.E. Men 154	P.E. Men 153		P.E. Men 152	
TUMBLING & GYMNASTICS INTERMEDIATE SWIMMING	VOLLEYBALL SOFTBALL	FOLK & SQUARE DANCE	MODERN DANCE	TENNIS	FIELD HOCKEY	SOCCER-SPEEDBALL BASKETBALL		METHODS OF TEACHING EXERCISE	METHODS OF TEACHING	METHODS OF TEACHING	OF TEACHING	OF TEACHING	METHODS OF TEACHING GOLE	METHODS OF TEACHING	INDIVIDUAL & TEAM ACTIVITIES	METHODS OF TEACHING	
1 hour 1 hour	1 hour	1 hour	1 hour	1 hour	1 hour	1 hour	1 hour	2 hours 1 hour	nour	z nours		1 hour	2 hours		1 hour	Credit	:

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DEPARTMENT OF SCIENCE

Biological Science

Biological Science 101 Prerequisites: None BIOLOGICAL SCIENCE

4 hours weekly (2-2)

aspects of biology. An introductory course designed to give the student a basic knowledge of the cellular

Science 105 Biological

ANATOMY AND PHYSIOLOGY

Prerequisites: Biological Science 101 or departmental approval

3 hours

together to complete the whole organism. Metabolism, body chemistry, growth and A study of the human body, including structure and function of the organs working 4 hours weekly (2-2)

Science 110 Biological

Prerequisites: Biological Science 101

maturity will be included

GENERAL BOTANY

3 hours

with emphasis on higher plants. Fundamentals concepts of plant life cycles, structure, function and propagation 4 hours weekly (2-2)

Science 115 Biological Prerequisites: Biological Science 101

INVERTEBRATE ZOOLOGY

3 hours

phyla and the role they have in the biotic world Evolution, function, and interrelationships of major representative invertebrate 4 hours weekly (2-2)

Science 120 Biological

VERTEBRATE ZOOLOGY

hours

Prerequisites: Biological Science 101

4 hours weekly (2-2

tinct and extant forms. Structure and development of vertebrates from the embryo through adult life. Ex-

Biological Science 225

GENETICS

3 hours

3 hours weekly (3-0) Prerequisites: Biological Science 101

genetics An introductory course in the fundamentals of inheritance with emphasis on humar

Science 240 Biological

PLANT & ANIMAL ECOLOGY

3 hours

Prerequisites: Biological Science 101

3 hours weekly (3-0)

flow, populations, and the biotic community. Basic ecological principles and concepts, built around ecosystems, habitats, energy

> Science 245 Biological

NATURAL RESOURCES CONSERVATION OF

Prerequisites: Biological Science 101

3 hours weekly (3-0)

with emphasis on recent developments Conservation of natural resources including both traditional and current approaches

Science 275 Biological 3 hours

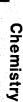
COMMON PLANTS OF SOUTHERN ILLINOIS

3 hours

Prerequisites: Biological Science 101 or consent

5 hours weekly (1-4)

of wild plants in the field. One all day field trip will be included. stressing basic taxonomy, field and herbarium methods, and the pleasure of recognition A course in the identification of common vascular plants, particularly angiosperms,



Chemistry 101

INORGANIC CHEMISTRY GENERAL

5 hours

Prerequisites: Two years of high school algebra, or concurrent registration in college transfer mathematics.

7 hours weekly (3-4)

formulas and nomenclature, atomic structure, bonding, the periodic chart, and equa-A study of the fundamental laws and concepts of chemistry, including chemical

Chemistry 102

QUANTITATIVE ANALYSIS QUALITATIVE AND

5 hours

Prerequisites: General Inorganic Chemistry 101

9 hours weekly (3-6)

of communications, using semi-micro techniques. metry, redox reactions, acids and bases. The laboratory includes qualitative analysis A continuation of General Inorganic Chemistry 101, including equilibrium, stoichio-

Chemistry 201

ORGANIC CHEMISTRY

7 hours weekly (3-4) Prerequisites: Chemistry 101 and 102 or consent of instructor

compounds, their structures and reactions and pre-professional students, discussing descriptive and theoretical organic chemistry. Topics discussed will include bonding of carbon, stereochemistry, and aliphatic A course in general organic chemistry intended for chemistry majors and minors

Chemistry 202

ORGANIC CHEMISTRY

9 hours weekly (3-6) Prerequisites: Organic Chemistry 201

cussed in the lecture portion. the laboratory work requires the preparation and study of substances which are disdeals with aromatic substances and resonance. As in the other courses in this sequence, This course continues the discussion of aliphatic and alicyclic compounds. It also

Engineering

Engineering 101

ENGINEERING GRAPHICS

6 hours weekly (2-4) Prerequisites: None

aries, sections, dimensioning, threads and fasteners, intersections and developments, and curved surfaces. and problems in descriptive geometry which relate to points, lines, planes in space use of instruments, sketching, geometric construction, orthographic projection, auxili-This course is designed primarily for the pre-engineering student. It covers lettering

Physics 201

MECHANICS

Prerequisites: Physics 155, 156, and Math 131

5 hours weekly (5-0

calculus based mechanics. Statics and dynamics for engineering, math, physics, and other majors requiring

Physics 210

Prerequisites: Physics 155, 158 and Math 131 or concurrent enrollment in Math 131 MECHANICS AND ELECTRICITY AND MAGNETISM

4 hours

physics. physics majors, pre-engineering students, math majors, and others requiring a calculus This is a calculus based treatment of mechanics and electricity and magnetism for 4 hours weekly (4-0)

Mathematics

Mathematics 51

BASIC ARITHMETIC

2 hours

2 hours weekly (2-0) Prerequisites: None

plication, and division of fractions and decimals; percent; measures; ratio and propordivision of whole numbers; factoring, primes, divisibility; addition, subtraction, multition, averages medians, squares, and square roots. (May be taken concurrently with transfer. This course will cover numeration, addition, subtraction, multiplication and tic, particularly operations with fractions and decimals. It is not designed for college Math 52). Individualized instruction. This course is designed for those who need to review the basic operations of arithme-

Mathematics 52

BASIC ALGEBRA

3 hours

Prerequisites: Math 51 or equivalent high school general math

3 hours weekly (3-0)

(May be taken concurrently with Math 51). Individualized instruction. ables; fractional expressions and equations; radical notation; quadratic equations equations; polynomials; graphs; systems of equations; polynomials in several vari-This course is not designed for college transfer. This course will cover the numbers ordinary arithmetic and their properties; integers and rational numbers; solving This course is designed for students with less than one year of high school algebra

Mathematics 101

MATH APPRECIATION

3 hours

Prerequisites: Math 52 or one year of high school algebra

3 hours weekly (3-0)

not have already met. A major concern is to develop a broader understanding of an This course is intended to introduce the student to mathematical concepts he may

> appreciation for mathematics. The sequence is terminal in nature. This course will and logs; regular polygons. (S.I.U.'s GSD 113) cover mathematical thinking; number sequences; functions and graphs; large numbers

Mathematics 102

1 hour weekly (1-0) Prerequisite: None

> INTRODUCTORY **METRICS**

1 hour

prefixes, approximation, metric materials (sticks, weights, containers), metric equivasystem of measurement. Students will study units of length, weight, volume, metric lents, and terminology will also be studied A course designed to introduce students to the basic concepts and use of the metric

Mathematics 105

MATHEMATICS TECHNICAL

3 hours

Prerequisites: None

3 hours weekly (3-0)

designed for transfer. This course will cover arithmetic and algebra with applications to technical situations. This is a basic mathematics sequence for the vocational-technical student. It is not

Mathematics 106

Prerequisites: Math 105 MATHEMATICS

3 hours

Mathematics 110

try with applications to technical situations.

3 hours weekly (3-0)

A continuation of Math 105. This course will cover algebra, geometry, and trigonome-

INTERMEDIATE ALGEBRA

hours

Prerequisites: Math 52 or one year of high school algebra

5 hours weekly (5-0)

tions; equations of second degree and graphs, exponent and log functions. ualized or traditional instruction, see class schedule. Quadratic equations and funcnomials, fractional equations and expressions; exponents, roots and powers. Individ-This course will cover linear equations and inequalities; systems of equations, poly-

Mathematics 111

AND TRIGONOMETRY COLLEGE ALGEBRA

Prerequisites: Math 110 or successful completion of two years of high school

algebra and one year of high school goemetry.

5 hours weekly (5-0)

systems of non-linear equations. tions of right and oblique triangles, inverses of trig functions and proof of trig identities. relations and functions, radicals; logarithms, coordinate systems, trig functions, solu-This course will cover methods of proof and disproof, mathematical induction,

Mathematics 116 FOR BUSINESS AND MANAGEMENT FINITE MATHEMATICS

5 hours

Prerequisite: Three (3) semesters of high school algebra or the equivalent

5 hours weekly (5-0)

course will probably be required to take a calculus course to complete their mathenomics (business administration and accounting majors). Students registering for this This course is designed especially for students in areas such as business and eco-

out the state. This course is not designed for math majors. university to which they plan to transfer because requirements are not uniform throughmatics sequence, but students should check the specific requirements of the senior

Mathematics 120

ELEMENTAR) STATISTICS

3 hours

Prerequisites: None

hours weekly (3-0)

matics or business majors or minors. tion, statistical inference, correlation and variance. Course is not designed for mathe-Basic probability theory, graphing, measures of location and variation, distribu-

Mathematics 131

CALCULUS I

Prerequisites: Math 111 or 2 years of high school algebra, one year of high school geometry and ½ year of high school trigonometry

5 hours weekly (5-0)

functions and applications This course will cover analytic geometry; differentiation and integration of algebraic

Mathematics 201 Prerequisites: Math 131

5 hours

CALCULUS II

polar coordinates; the theory of infinite series. tions; methods of integration; vectors; indeterminant forms and improper integrals; A continuation of Math 131. This course will cover trig, log and exponential func-5 hours weekly (5-0)

Mathematics 202

hours

Prerequisites: Math 201

DIFFERENTIAL EQUATIONS

CALCULUS III AND

5 hours weekly (5-0)

equations with emphasis on second order equations, applications to physical sciences try; partial differentiation; multiple integrals. Also, solution techniques of differentia numerical methods. A continuation of Math 201. This course will cover vectors and solid analytic geome-

Mathematics 208

hours

Prerequisites; Three hours of 100-level or above mathematics

ELEMENTARY TEACHERS I MATHEMATICS FOR

3 hours weekly (3-0)

numbers, other numeration systems, and algorithms. Course is required for elementary education majors. This course covers sets, relations, whole numbers, integers, rational numbers, real

Mathematics 209

MATHEMATICS FOR ELEMENTARY TEACHERS II

3 hours

Prerequisites: Mathematics 208

3 hours weekly (3-0)

tics, geometric figures, transformations, symmetry, area and volume, spherical geome-The course includes logic and mathematical reasoning, probability and some statis-

Mathematics 221

LINEAR ALGEBRA

3 hours

Prerequisites: Math 201

3 hours weekly (3-0)

mensions, determinants, eigenvalues, quadratic forms. This course will cover vector spaces, linear functions, systems of equations, di-

Physical Science

Science 101 Physical

MAN AND HIS TECHNOLOGY

3 hours

Prerequisites: None

energy and machines; various up-to-the-minute scientific topics will be discussed: A consumer user course oriented toward the economics and wise use of man's 3 hours weekly (3-0)

scientific versus environmental trade-offs will be analyzed

ASTRONOMY

3 hours

Science 102 Physical

Prerequisites: None

here such as, "Are we alone?", promote intense discussion. tions of the night sky are brought together in this relevant course. Questions posed A general education course in astronomy. Textbook principles as well as observa-3 hours weekly (3-0)

Physical

EARTH SCIENCE

3 hours

Science 103

3 hours weekly (3-0) Prerequisites: None

earth materials, the oceans, time, the atmosphere, weather forecasting and ments in the earth. A general education course in earth science with emphasis toward topics such as move-

Science 104 **Physical**

FOR NON-SCIENCE MAJORS

3 hours

3 hours weekly (3-0) Prerequisites: None

studies related to the structure of matter from the atomic and nuclear standpoint. A general education course introducing basic chemistry together with elementary

Science 105 Physical

Prerequisites: None

3 hours weekly (3-0)

PHYSICS IN THE ENVIRONMENT

3 hours

studies related to the structure of matter from the atomic and nuclear standpoint. A general education course introducing basic chemistry together with elementary

Physics

Prerequisites: None

Physics 151

TECHNICAL PHYSICS

3 hours

4 hours weekly (2-2)

duce the student to the concepts of sound, optics, light, and modern developments and fluids and the principles of heat and thermodynamics. This course will also introin physics as related to the technical field. and power. Also included are the principles of mechanics as they are applied to solids troducing the topics of laws of motion, equilibrium and their relation to work, energy A general study of physics emphasizing applications to the technical field and in

Physics 155

Prerequisites: None

PHYSICS

5 hours

pre-med, chemistry, and other majors requiring college physics. and sound. This is the first in a non-calculus sequence for science, engineering, math An introduction to physics combined with topics in the study of mechanics, heat 6 hours weekly (4-2)

Physics 156

Prerequisites: Physics 155

6 hours weekly (4-2)

netism and modern physics; the final course of the non-calculus college physics sethe particle theories, topics in relativity together with selected topics in electricity, mag-A continuation of Physics 155 with topics in the study of the light from the wave and

Physics 201

MECHANICS

5 hours weekly (5-0) Prerequisites: Physics 155, 156 and Math 131 or concurrent enrollment in Math 131

calculus based mechanics. Statics and dynamics for engineering, math, physics, and other majors requiring a

Physics 210

MECHANICS AND ELECTRICITY AND MAGNETISM

4 hours

4 hours weekly (4-0) Prerequisites: Physics 155, 156 and Math 131 or concurrent enrollment in Math 131

physics majors, pre-engineering students, math majors, and others requiring a calculus This is a calculus based treatment of mechanics and electricity and magnetism for

DEPARTMENT OF SOCIAL SCIENCE

Anthropology

Anthropology 111

ANTHROPOLOGY

3 hours weekly (3-0) Prerequisites: None

an anthropological "point of view." cal organism; the second is the concept of culture, its structure and development from the course. The first is the origin, development, and differentiation of man as a biologithe basic materials and ideas of modern anthropology. Two major themes dominate An Introduction to Anthropology is an attempt to present, as simply as possible

History

History 101

3 hours weekly (3-0)

Prerequisites: None

WESTERN CIVILIZATION

3 hours

and, subsequently, shaped cultural, political, social, and economic institutions and ize a fuller understanding of the way that man has responded to historical problems historic times through the Reformation era. This course is designed to pursue and real-Western Civilization 101 traces the development of the Western world from pre-

WESTERN CIVILIZATION

ideas.

History 102 Prerequisites: None

3 hours weekly (3-0)

revolutions, industrialization, imperialism, political ideologies, and world wars as they present-day problems in relationship to World War II. This course concentrates upon the Age of Absolutism in the seventeenth century, the course ends with a study of relate to our world today. Western Civilization 102 is a continuation of Western Civilization 101. Beginning with

History 105

5 hours

THE CONTEMPORARY WORLD

Prerequisites: None

3 hours weekly (3-0)

student participation and involvement concerning issues and problems. their everyday world and its relationship to the historical past. Emphasis will be upon The Contemporary World is a course designed for students who wish to understand

History 201

UNITED STATES HISTORY

3 hours

3 hours weekly (3-0) Prerequisites: None

the formulation of an American spirit, and the test of these elements in Civil War. U.S. History 201 examines the development of a civilization, the creation of a nation

History 202

3 hours weekly (3-0) Prerequisites: None

UNITED STATES HISTORY

3 hours

the dynamic changes and challenges of the 20th Century industrializing nation. Students examine the rise of the nation to world leadership and U.S. History 202 begins with the legacy of the Civil War and its effects on a rapidly

History 205

ILLINOIS HISTORY

3 hours

Prerequisites: None

3 hours

3 hours weekly (3-0)

studied in light of its historical development. rather than pursuing a strictly chronological approach, although each topic will be will study the heritage common to all citizens of Illinois as well as the diversity to be and problems through a study of their historical origins and development. The students found from one area of the state to another. The course will deal with significant topics This course is designed to lead to an understanding of Illinois institutions, traditions,

DEPRESSION AND THE NEW DEAL) MODERN AMERICAN HISTORY: 1920-1939 (THE TWENTIES, THE

Prerequisites: None

3 hours weekly (3-0)

course is designed for history majors and minors and others desiring a social science effects of the Great Depression of the 1930's on American attitudes, both national and local. Attention is also given to the major domestic political events of the period. This A study of the contrasts in American social and economic life in the 1920's and the

History 212

Prerequisite: None

HISTORY OF WOMEN IN AMERICA

emphasis will be on the social history of women. will be discussed as well as the history of the feminist movement in America. The major with attention to the changes that have taken place. Significant contributions of women 3 hours weekly (3-0) This course will explore the role and image over the course of American history

Geography

Geography 112

Prerequisites: None

GEOGRAPHY REGIONAL

3 hours

concepts and structures in relation to the specific regions and countries. Focus is on key countries in the seven continents of the world. An introduction to Regional Geography is an attempt to study and use geographic 3 hours weekly (3-0)

Geography 215

ENVIRONMENTAL STUDIES SURVIVAL OF MAN:

3 hours weekly (3-0) Prerequisites: None

factors which influence man's resource decisions viewpoint. Topics to be covered include the development, use, and management of natural resources. Emphasis will be placed upon those political, economic, and social An introductory course dealing with the man-land relationship from a geographic

Political Science

Political Science 131

AMERICAN GOVERNMENT

hours

4 hours weekly (4-0) Prerequisites: None

automatically fulfill the statutory requirements of the State of Illinois process. Special attention will be given to an analysis of the Constitutions of the United process through the operation of public opinion, the party system and the electoral States and the State of Illinois. Students who receive credit for Political Science 13republicanism, and federalism. Emphasis will be given to the dynamics of the political the structure-function of the political system and the elements of constitutionalism, A survey of American national, state, and local governments, including a study of

3 hours

·Political Science 211

STATE & LOCAL GOVERNMENT

3 hours

Prerequisites: None

3 hours weekly (3-0)

unique problems of the metropolitan areas. functions, and finance of state and local governments. Emphasis will be placed upon the Attention will be given to intergovernmental relations, and the organization, powers, A survey of the structure and functions of American State and Local governments.

Political No.

INTERNATIONAL RELATIONS

Science 212

Prerequisites: None

3 hours weekly (3-0)

the formulation of foreign policies of various nations, with special emphasis on curof conflicts by methods short of war; international organizations; factors involved in rent international problems. the relationships of these states; sources of conflict in international politics; solution An introduction to the development of the nation-state; international law governing



Psychology 128

HUMAN RELATIONS

2 hours

2 hours weekly (2-0) Prerequisites: None

niques used to solve problems of motivation, goals and aspirations. tionship in personal, social and business situations. Emphasis is placed on the tech-A study of the patterns of human behavior that lead to effective interpersonal rela-

Psychology 132

hours

PSYCHOLOGY

(Variable to 4)

3 hours weekly (3-0) Prerequisites: None

perception, sensation, heredity, adjustment, personality growth, intelligence and learning and abnormal behavior. (Selected students will be allowed to enroll for four semester An introductory course in the study of human behavior. Familiarizes students with

Psychology 261

INTRODUCTION TO GROUP PROCESSES

hours

Prerequisites: None

3 hours weekly (2-0)

hesiveness, standards, conformity and deviance, leadership, group therapy and soci-A study of the structure and interaction of small groups. The development of co-

Psychology 262

CHILD PSYCHOLOGY

3 hours

Prerequisites: Psy 132

3 hours weekly (3-0)

ships among various aspects of development—biological, cognitive, personality, social and emphasizing the psychological factors influencing the child-Stresses the child as an individual in his development, delineating the interrelation-

Psychology 265

EXCEPTIONAL CHILDREN EDUCATION OF

2 hours weekly (2-0) Prerequisites: None

exceptional children-the mentally retarded, the gifted, sensory impaired, the emotionally unstable, and the social deviant and culturally deprived. Deal with the problems and methods involved in the adjustment and training of

Social Science 55

INTRODUCTORY SOCIAL SCIENCE

3 hours

Prerequisites: None

3 hours weekly (3-0)

atmosphere of individual attention and development. This course is not designed for skills. Materials often used in social science requirement courses are introduced in an credit toward graduation or transfer. A course designed for those who have deficiencies in social science content and

Sociology

Sociology 133

PRINCIPLES OF SOCIOLOGY

3 hours

Prerequisites: None

3 hours weekly (3-0)

clude social organization, interaction, culture, and changing social patterns in reaction to a dynamic society. A general course analyzing the effects of society upon man. Topics discussed in-

Sociology 263

MARRIAGE AND THE FAMILY

3 hours

Prerequisites: None

3 hours weekly (3-0)

will consider child-rearing, communal living, the latest trends, and predictions about justments, and the place of the family in American culture. Cross-cultural comparisons A sociological examination of mate selection and marriage, family life, marital ad-

INDEPENDENT STUDY

supervised by a faculty member. Students must submit proposals prior to the the Dean of Instruction. Each approved independent study project must be mitted in written form through the appropriate associate dean for approval by by John A. Logan College. Each proposal for independent study must be substudy on an independent basis for academic work in subject areas offered first week of classes. This course provides students with an opportunity to pursue supervised

CREDIT: Variable, 1-4 hours

116

PROFESSIONAL EDUCATION

Education 201

INTRODUCTION TO PUBLIC SCHOOL EDUCATION

1 hour

Prerequisites: None

1 hour weekly (1-0)

majors with information, experiences and opportunities for exploration relative to the teaching profession as a career. Following is a listing of Education 201 activities: The primary objective of this course is to provide prospective teacher education

Education 202

HUMAN GROWTH, DEVELOPMENT AND LEARNING

Prerequisite: Education 201

2 hours weekly (2-0)

noted above information includes specific instructional objectives within each of the three units tion—classroom management, cognitive learning and effective learning. The following A course designed for prospective teachers covering three general areas of instruc-

Education 203

Prerequisite: Education 202

2 hours weekly (2-0)

Selected educational philosophies will be covered. explore the contemporary goals, ideas, issues, and practices in American schools the organizational structure and functioning of the American school system and will tionship to American society. Prospective teachers will develop an understanding of This course covers the goals and purposes of American education and their rela-

117

OCCIDATION

COUNTE

DEPARTMENT OF BUSINESS

Accounting

Accounting 101

Prerequisites: None

assets, and intangible assets; and accounting systems and controls, including the counting procedures for receivables, payables, inventories, deferrals, accruals, plant sales, cash receipts, purchases, cash payments, and periodic reporting; special acof the accounting cycle; accounting cycle for a merchandising enterprise, including accounting cycle for a service enterprise, including journals, posting, and completion basic structure of accounting, including theory of debit and credit and the ledger; of accounting as applied to a sole proprietorship, with emphasis in the following areas: voucher system and payroll systems. A practice set providing practice in accounting for a sole proprietorship will be used. An introductory course in accounting fundamentals, stressing the basic principles 6 hours weekly (2-4)

Accounting 102

OF ACCOUNTING FUNDAMENTALS

4 hours

Prerequisite: Accounting 101

4 hours weekly (4-0)

and standard cost systems; and basic principles of decision-making and management dends, long-term obligations, and investments; control accounting, including manucounting, including organization and operation, stockholders' equity, earnings, diviusing the job order cost system will be used. reporting. A practice set providing practice in accounting for a manufacturing business facturing and process cost systems, job order cost systems, and budgetary control lowing areas: concepts and principles; accounting for partnerships; corporation ac-A continuation of the study of accounting fundamentals with emphasis in the fol-

Accounting 201

ACCOUNTING FINANCIAL

3 hours

Prerequisite: Sophomore standing or consent of instructor

3 hours weekly (3-0)

special controls for cash and accounts receivable; accounting procedures for notes data effectively. These fundamental concepts of accounting, as applied to a sole prodata are accumulated and gives an understanding of the concepts necessary to use such and interest, inventories, plant and equipment, and intangible assets; and payroll acbusiness; accounting cycle for a merchandising concern, including special columnar counting for a double-entry system on the accrual basis; accounting cycle for a service prietorship, are developed with emphasis in the following areas: basic structure of acjournals and subsidiary ledgers; internal control, including the voucher system and counting procedures. An introductory course in financial accounting which stresses how accounting

Accounting 202 FINANCIAL ACCOUNTING

Prerequisite: Accounting 201

3 hours weekly (3-0)

ganization and operation, capital stock and retained earnings transactions, longterm following areas: partnership accounting; accounting for corporations, including or-A continuation of the study of financial accounting concepts, with emphasis in the

> budgeting, and managerial decisions; and the flow of funds and flow of cash. liabilities, and investments; manufacturing accounting, including cost accounting,

Accounting 215

4 hours

Prerequisites: Accounting 102

4 hours weekly (4-0)

liabilities. the following: cash and temporary investments, receivables, inventories, and current process; an extensive study of the working capital items of the balance sheet including A review of the fundamental principles—the financial statements and the accounting

Accounting 216

4 hours

Prerequisites: Accounting 102

4 hours weekly (4-0)

and factory overhead, and job order, process, and standard cost accounting. in the construction of a cost system; distribution of the cost elements—materials, labor, ment for control, with emphasis in the following areas: general principles involved Stresses the fundamentals involved in the relation of cost accounting to manage-

Accounting 217

COST ACCOUNTING

3 hours weekly (3-0) Prerequisites: Accounting 203

labor, and factory overhead; and job order, process, and standard cost accounting. in the construction of a cost system; distribution of the cost elements—materials, ment for control, with emphasis in the following areas: general principles involved Stresses the fundamentals involved in the relation of cost accounting to manage-

Accounting 218

TAX ACCOUNTING

Prerequisites: Accounting 102

3 hours weekly (3-0)

Illinois income tax return. sole proprietorship, partnership, and corporation; and the preparation of an individual able, types of returns to be filed, exemptions, and special income and deduction items; and to the small businessman. Emphasis is on the following areas: individual tax rebasic tax responsibilities of small businesses and reporting requirements involved for a turns, including income inclusions and exclusions, deductions allowable and not allow-An introduction to the Federal income Tax structure as related to the individual

Accounting 220

Prerequisites: None

BUSINESS ACCOUNTING

3 hours

3 hours weekly (3-0)

for a personal service enterprise. accounting; accounting for a retail store; accounting for investments; and accounting cial statements are covered. In addition, the following areas are studied: accounting transactions, common journals, posting, the trial balance, the worksheet, and the finanfor merchandise, accounting for purchases and sales; accounting for cash; payroll ments of accounting and the accounting procedure. The accounting elements, business A practical accounting course for non-accountants. It includes a study of the ele-

Accounting 221

ACCOUNTING

Prerequisites: Accounting 101 or 220

2 hours weekly (2-0)

tion in payroll and personnel records and in the computation of wages and the account and the Federal and State Income Tax Withholding Laws. The course provides a foundathe Federal Unemployment Compensation Law, State Unemployment Compensation, of the various Federal and State laws, such as: the federal Insurance Contributions Act ing for wages paid and deductions made. A comprehensive study of the records needed in business to meet the requirements

Agricultural Supply and Services

and Services 120 AGRICULTURAL OCCUPATIONS Agricultural Supply INTRODUCTION TO

2 hours

2 hours weekly (2-0) Prerequisites: None

occupational experience program. and knowledge and abilities needed. Included is an orientation to the supervised employment opportunities. Job titles are described on the basis of duties performed The student is introduced to the broad field of agricultural business and its many

Services 121 Supply and Agricultural

> TO ANIMAL SCIENCE INTRODUCTION

> > hours

4 hours weekly (4-0) Prerequisites: None

stock enterprises. Beef, dairy, and swine are emphasized. parasite and disease control methods, and systems of management for various liveof livestock for a given farm. It also deals with the selection of housing, equipment, The course is concerned with the selection of a kind, breed, class, and quality

and Services 122 Agricultural Supply

Prerequisites: None

AGRICULTURAL **ECONOMICS**

3 hours

and the ability to apply these principles to management problems. Discussed in detail are concepts of supply and demand and their price determining effect. A course designed to develop an understanding of basic principles of economics 3 hours weekly (3-0)

and Services 124 Agricultural Supply

3 hours weekly (3-0) Prerequisites: None

AND FEEDING

is placed on beef, dairy, and swine. and economical rations for various kinds, classes, and ages of livestock. The emphasis The course is designed to develop abilities needed to formulate well balanced

and Services 125 Agricultural Supply Prerequisites: None

SOILS AND FERTILIZERS

5 hours

6 hours weekly (4-2)

fertility maintenance and soil management. A study of soil classification, physical The uses of fertilizer materials; effects of various fertilizers on soils and crops

and chemical properties of soils, and how soils are formed is also covered in the

and Services 126 Agricultural Supply Prerequisites: None

3 hours weekly (3-0)

AGRICULTURAL CHEMICALS

3 hours

stored grain and the associated herbicides and insecticides. An understanding is developed of how and why herbicides function. This course deals with the major weeds and insects which attack field crops and

Agricultural Supply and Services 127

Prerequisites: None

PRODUCTION

4 hours

4 hours weekly (4-0)

edge acquired in previous courses, such as, agricultural economics, soils and fertiforage production. through harvesting and marketing the crop. Students will be required to use knowltices. All events are covered from the initial planning stages of crop production lizers, and agricultural chemicals. Emphasis is placed on corn, soybeans, wheat, and This course discusses approved crop production techniques and marketing prac-

and Services 129 Agricultural Supply

INTERNSHIP

4 hours

Prerequisites: Consent of Assoc. Dean of Vo.-Tech

20 hours weekly (0-20)

which will give the students practical experience as it relates to the material studied in the classroom. Students will be placed in an agricultural business for a supervised internship,

and Services 221 Agricultural Supply

MANAGEMENT

3 hours

3 hours weekly (3-0) Prerequisites: None

involved in making efficient use of the factors of production in the farm business. The course is concerned with the thought processes and management decisions

Agricultural Supply and Services 226

5 hours weekly (5-0)

MARKETING

hours

Prerequisites: None AGRICULTURAL **PRODUCTS**

conditioning of grain and also upon the use of the futures market livestock from the farm to the consumer. Special emphasis is placed on grading and The course acquaints the student with the steps in the movement of grain and

and Services 261 Agricultural Supply

INTERNSHIP

4 hours

Prerequisites: Consent of Assoc. Dean of Voc. Tech

20 hours weekly (0-20)

which will give the students practical experience as it relates to the material studied in the classroom. Students will be placed in an agricultural business for a supervised internship

Economics

Economics 101

BUSINESS ECONOMICS

3 hours weekly (3-0) Prerequisites: None

bution of income; problems of the nation's economy: stabilization policies, governanalysis; Macro-economics: national income concepts, the product and money marculture, international trade, and urban problems. the student a general knowledge of economic principles and their application to conobtaining a degree in Associate of Applied Science. This course is designed to give ment regulation of business, labor and unions, problems of poverty, population, agri kets; Microeconomics: demand and supply analysis, imperfect competition, distritemporary problems. Contents of the course will include: an introduction to economic Business Economics is a one-semester course designed mainly for those students

Economics 201

PRINCIPLES OF ECONOMICS

4 hours

Prerequisites: None

4 hours weekly (4-0)

policy; money and banking, monetary policy, and economic stability; American ecoment; National Income accounting, business cycles, employment theory, and fiscal analysis; American capitalism as related to households, business, and the Governthe economizing problem; pure capitalism and the circular flow; supply and demand and policy. The following major topics will be included: the nature of economics; nomic growth: problems and policies. This is an introductory course in economics, emphasizing macro-economic theory

Economics 202

PRINCIPLES OF **ECONOMICS**

4 hours

Prerequisites: Economics 20

4 hours weekly (4-0)

tional economics and the world economy. structures of American Capitalism; elasticity of demand and supply; price and output contemporary problems. The following topics will be included in this course: market lective bargaining, the war industry, and the social imbalance controversy; interna lem, the farm problem, urban economics, inequality and poverty, labor unions and coldetermination; resource allocation; current domestic problems; the monopoly prob-This introductory course in economics will emphasize microeconomic theory and

General Business

Business 110

INTRODUCTION TO BUSINESS

3 hours

Prerequisites: None

3 hours weekly (3-0)

vesting in a business, some basic principles of marketing including channels of disstructures of the sole proprietorship, and corporation, methods of financing and intribution, wholesaling, retailing and the classification of retailers by types of owner This overview course focuses upon the principles of capitalism, organizational

Business 111

BUSINESS MATHEMATICS

3 hours

3 hours weekly (3-0) Prerequisites: None

discounts, pricing, interest, payroll, taxes, profit, and loss A basic course in fundamental processes of business mathematics, percentages,

Business 121

BUSINESS STATISTICS

3 hours

Prerequisites: Algebra 110

3 hours weekly (3-0)

time series, price indexes, and statistical applications. of economic data. The following topics are covered: averages, sampling, correlation included in the course are methods of collection, presentation and interpretation nomic data and how it aids in controlling operations and in making sound decisions An introductory course emphasizing the statistical analysis of business and eco-

Business 127

Prerequisites: None

CALCULATING MACHINES

2 hours

3 hours weekly (1-2)

emphasis is placed on accuracy of machine operations. ness problems and practice sets are used in addition to practice problems. Primary are all taught on a rotation basis teaching plan. Practical and comprehensive busiand printing, rotary, and key-driven calculators. Essential operations of each machine Instruction and practice is given in the use of ten-key and full-key adding machines

Business 128

DUPLICATING MACHINES

3 hours

4 hours weekly (2-2) Prerequisites: Business 116

tices, mimeographing, the spirit process of duplicating, and the dry copying process. are given in each area. of the electric collating machine electric stapler, and the folding machine. Fundamentals are taught and individual problems as well as complete business projects Experience is also given in the practice of modern collating methods involving the use Training and instruction in the use of transcribing machines and dictation prac-

Business 130

SALESMANSHIP

3 hours

3 hours weekly (3-0) Prerequisite: None

persuasion, presentation, handling objectives, proper closings, and follow-up. niques for making a sales are taught including prospecting, preapproach, approach ment of sales personality, important to retail and other types of selling. Modern tech-A course in the theory and practice of good salesmanship, including the develop-

Business 131

Prerequisite: Business 130

3 hours weekly (3-0)

SALESMANSHIP

3 hours

video taped sales talks will be presented by each student of objections. Instruction on how to conduct a sales meeting will also be given. Two review of the entire sales presentation, with emphasis on the closing and the handling A continuation of Salesmanship 130, this course will consist of a

Business 138

BUSINESS SEMINAR

Prerequisite: None

1 hour weekly (1-0)

sion and individual research. instructor and from representatives in business and industry as well as class discus-An orientation to the jobs available in the field. The class will consist of lecture by the

Business 214

DATA PROCESSING INTRODUCTION TO

Prerequisites: None

1 hour weekly (1-0)

data processing in various business phases and how to interpret the reports. Case studies are used to evaluate the feasibility of processing. Attention is given to the various types of reports available, how to get them, upon familiarizing the student with the equipment, vocabulary, and work flow of data and the relationship of data processing to various areas of business. Emphasis is placed An introductory course in data processing with the emphasis upon business aspects

Business 221

BUSINESS LAW

hours

Prerequisites: None

4 hours weekly (4-0)

and court procedures provides a broad basis for an understanding of our legal system. formation about business law to persons planning to work in business. A study of the devices, and property—is emphasized commercial paper, agency and employment, partnerships, corporations, risk-bearing The application of the law to particular fields in business—contracts, sales, bailments, nature and history of the law, the law of torts and criminal law, and an outline of courts An introduction to the principles of business law designed to provide basic in-

Business 223

Prerequisites: None

INTRODUCTION TO BUSINESS FINANCE

business who needs an understanding of the financial structure of the economy in which he will live and work. Emphasis is also placed on a study of the capital markets in which a businessman will seek funds for business operations. An introductory course designed especially for the person who plans to work in 1 hour weekly (1-0)

Business 235

BUSINESS

Prerequisites: None

3 hours weekly (3-0)

Instruction is given in the proper methods of dictation of business correspondence and requests, sales, credits and collections, goodwill, and interoffice memorandums various types of business correspondence, including orders and inquiries, favors A brief review of grammar, punctuation, and letter forms. Attention is given to the

Business 237

SECRETARIAL PROCEDURES

cluded are mailing procedures, duties of a receptionist, telephone techniques, tele-Secretarial and clerical responsibilities and duties are studied and practiced. In-6 hours weekly (2-4)

1 hour

CORRESPONDENCE

and dictating practice is given.

Prerequisites: None

grams, handling travel arrangements, participation in meetings and conferences, reference tools, personal appearance, office etiquette and customs, speaking, and office organization and work flow.

Business 239 BUSINESS SEMINAR

1 hour

Prerequisites: None

1 hour weekly (1-0)

lems related to those encountered while on the job will be discussed Some topics will be presented by representatives from business and industry. Prob-Topics to be selected based on current trends and the needs of those enrolled

Business 241

SUPERVISED SECRETARIAL WORK EXPERIENCE

Prerequisites: Consent of Assoc. Dean of Vo.-Tech. 10-20 hours weekly (0-20)

offices in business and industry. The teacher-coordinator and the on-the-job superupgrade their skills and strengthen weaknesses. visor will work together to constantly evaluate student trainees in order to help them knowledge learned in the classroom will be given. Students will work in approved On-the-job secretarial work experience will enable students to apply the skills and

Business 247 LEGAL SECRETARIAL PRACTICE

3 hours

Prerequisites: Business 118 or 126 or Consent of Instructor

4 hours weekly (2-2)

shortcuts, court procedures, and related legal information. tion, preparing legal forms, learning legal office procedures. Includes study of legal A specialized course of skill development in taking and transcribing legal dicta-

Business 248 LEGAL SECRETARIAL PRACTICE

hours

Prerequisites: Business 247

4 hours weekly (2-2)

A continuation of Business 247

Business 251

Prerequisites: None

3 hours weekly (3-0)

INSURANCE

3 hours

pany organization, rate-making, adjustment of losses, and risk bearing are covered. uses of property, casualty, and life insurance. In addition to analyzing policies, com-A course designed to provide a basic understanding of both personal and business

Business 252

Prerequisites: None

3 hours

3 hours weekly (3-0)

ments for the student to apply for the Salesman's Exam interests in real estate, deeds, and landlord-tenant. This course meets the requireness. Topics covered include brokerage, contracts, land use controls, encumbrances, A course designed to acquaint students with fundamentals of the real estate busi-

Business 253

PRINCIPLES OF BANKING

3 hours

3 hours weekly (3-0)

procedures The fundamentals of banking are stressed. Coverage will be given to ordinary banking A study of the principles and functions of commercial banking in the United States. 4 hours

Prerequisites: None

Food Services

Food Services 101

INTRODUCTION TO FOOD SERVICES

2 hours

Prerequisites: None

2 hours weekly (2-0)

in the food services industry, departmental functions, trends, and development of the Introduction to history, basic systems, organization problems, and opportunities

Food Services 105

INTERNSHIP

Prerequisites: Consent of Assoc. Dean of Vo.-Tech 15 hours weekly (0-15

Culinary arts (cooking), baking, fast foods, catering, service management, and dining. for supervised experience in an operation setting. The student will progress through The student is assigned to stations or jobs in the production and serving areas

Food Services 106

Prerequisites: Consent of Assoc. Dean of Vo.-Tech

INTERNSHIP II

3 hours

15 hours weekly (0-15)

Culinary arts (cooking), baking, fast foods, catering, service management, and dining for supervised experience in an operation setting. The student will progress through The student is assigned to stations or jobs in the production and serving areas

Food Services 203 LAYOUTS AND EQUIPMENT

2 hours weekly (2-0) Prerequisites: None

cation, equipment and selection, and standards in relation to feeding and related Work methods in relation to layout, flow analysis, time and motion, work simplifi-

Food Services 205

INTERNSHIP III

3 hours

Prerequisites: Consent of Assoc. Dean of Vo.-Tech

15 hours weekly (0-15

Culinary arts (cooking), baking, fast foods, catering, service management, and dining for supervised experience in an operation setting. The student will progress through: The student is assigned to stations or jobs in the production and serving areas

Food Services 206

Prerequisites: Consent of Assoc. Dean of Vo.-Tech INTERNSHIP IV

3 hours

15 hours weekly (0-15)

supervised experience in an operation setting. The student will progress through: Culinary arts (cooking), baking, fast foods, catering, service management, and dining The student is assigned to stations or jobs in the production and serving areas for

Hotel-Motel Management

Management 151 Motel-Hotel

HOTEL-MOTEL AND RESTAURANT OPERATIONS INTRODUCTION TO

hours

Prerequisites: None

2 hours weekly (2-0)

apartments, and geriatrics centers. organization, trends and opportunities in hotels, motels, nursing homes, dormitories A comprehensive study of the hospitality industry, with emphasis on the history

Hotel-Motel

Management 152 Prerequisites: None

SAFETY AND SANITATION

1 hour

workers' responsibilities in safety and protecting the public. Personal hygiene included Study of causes and prevention of food poisoning and accidents. Stress on food 1 hour weekly (1-0)

Hotel-Motel Management 153

PRINCIPLES OF FOOD PREPARATION

4 nours

Prerequisites: Admission to program

6 hours weekly (2-4)

Principles of food preparation, quality, and analysis of production.

as foam stabilizers, fats and oils, glutens, nuts, sugar and syrups. Consideration to beverages, foams, emulsions, thickening agents, hydrated proteins

Hotel-Motel Management 154 PROBLEMS OF HOSPITALITY MANAGEMENT

Prerequisites: None

2 hours weekly (2-0)

guest lecturers, and panels in hotels, motels, and other hospitality organizations through the use of case studies, Students in this course will study special management problems commonly found

Hotel-Motel

2 hours

Management 162

FRONT OFFICE PROCEDURES

2 hours weekly (2-0) Prerequisites: None

procedures as they apply to the front office manager, room clerk, record clerk, information clerk, key clerk, mail clerk, front office cashier, and night clerk will be presented. An analysis will be made of the various jobs in the hotel-motel front office. The basic

Hotel-Motel Management 163

2 hours weekly (2-0)

Prerequisites: Hotel-Motel Management 162 HOUSEKEEPING SUPERVISORY

2 hours

and the room and its principles. training, record keeping and executive responsibility-functions of the department, leadership and staff development, getting the job done effectively, health and safety Introduction to fundamentals of housekeeping management stresses employee

Hotel-Motel

Management 164

6 hours weekly (2-4)

Prerequisites: Hotel-Motel Management 153 ADVANCED FOOD PREPARATION

4 hours

dardized recipes and quality control. Preparation of stocks, sauces, soups, salads, sandwiches, meats, fish, poultry, vegetables, and some baking. Emphasis on the development of skills in quantity food preparation. Use of stan-

Hotel-Motel Management 212

FOOD AND BEVERAGE MANAGEMENT AND

4 hours

SERVICE

Prerequisites: Hotel-Motel Management 164

5 hours weekly (3-2)

reports, and menu planning. Standardization emphasized Principles of food control, cost analysis, adjustments in inventory, monthly food

Marketing 228

Prerequisites: None

Prerequisites: Hotel-Motel Management 162, 163, 212

2 hours weekly (2-0)

of workers and management, human relations, communications, hiring, training, coachnecessary leadership and guidance of workers. ing, counseling, and other qualities important to the person who must provide the other supervisors. Areas of supervisory concepts and practices, the mutual expectations This course is designed to develop the supervisory ability of department heads and

Management 263 Hotel-Motel **HOTEL-MOTEL** INTERNSHIP

4 hours

Prerequisites: Consent of Assoc. Dean of Voc.-Tech

20 hours weekly (0-20)

will allow the students the opportunity to apply the skills and knowledge acquired in the Students will be placed in the hospitality industry for a supervised internship, which

Management 271 Hotel-Motel FOOD AND BEVERAGE CONTROLS

Prerequisites: Hotel-Motel Management 153, 154, 212

5 hours weekly (3-2)

management decisions. (1) Food cost controls (2) Bar cost controls (3) Labor (4) and the use of these methods to determine daily operational information and make Method of audit against established operational standard costs will be developed

tional areas The students will be required to exercise management controls in various opera-

Marketing

Marketing 113

Prerequisites: None

PRINCIPLES OF MARKETING

3 hours

3 hours weekly (3-0)

marketing organization; market information systems; research; and the product. Topics covered include: The Market Concept; market segmentation; buyer behavior; An introductory course designed to expose the student to basic marketing concepts

Marketing 114

PRINCIPLES OF *MARKETING*

3 hours

Prerequisites: Marketing 113

3 hours weekly (3-0)

and overall marketing strategy. channels of distribution, physical distribution, personal selling, advertising, pricing A continuation of Marketing 113, emphasis is placed on wholesaling, retailing,

Marketing 224

ADVERTISING

3 hours weekly (3-0) Prerequisites: None

tiveness of advertising in the total marketing structure. volved is a study of color and balance in advertising. Emphasis is placed on the effec involving a consideration of planning, financing, and managing a campaign. Also inpapers, magazines, TV, direct mail, and radio. Principles of advertising budgeting An analysis of the principles and practices used in various types of advertising: news-

store location and make-up, retailing organization, personnel, buying, handling and controlling merchandise, budgeting, and promotional techniques. Attention is focused upon transitions in retailing, careers available in retailing, 3 hours weekly (3-0)

Management

Management 112

Prerequisites: None

3 hours

and concepts of the functions of management which include planning, organizing, diprocess, and organizational behavior. Special attention is given to the basic principles recting and ultimate controlling of the management process. Case studies are used Emphasis is placed on the fundamental concepts of management, the management 3 hours weekly (3-0)

Management 115 OFFICE MANAGEMENT hours

Prerequisites: None

1 hour weekly (1-0)

on the role of the office in business management; office organization; physical faciliiles and layout of the office; office services, procedures, standards and controls. The principles of management as applied to office problems. Emphasis is placed

Management 225, 226 MARKETING MID-MANAGEMENT TRAINING COORDINATED

3 hours

Prerequisites: Consent of Asso. Dean of Vo.-Tech

15 hours weekly (0-15)

edge learned in the classroom. Students will work in approved work stations in business and industry. The teacher-coordinator and the on-the-job supervisor will work skills and strengthen weaknesses. together to constantly evaluate student trainees in order to help them upgrade their On-the-job work experience which will enable students to apply the skills and knowl-

Management 236

1 hour

Prerequisites: None MANAGEMENT

emphasis in management is placed on proper methods and procedures in the storage coding, charge-outs, color-devices, and setting up a modern filing system. In addition, subject, numeric, chronological, and geographic filing. Students work with practice retrieval, transfer, and destruction of records. filing equipment and become acquainted with the rules of indexing, cross referencing, Emphasis is on the basic principles of modern filing systems, including alphabetic 2 hours weekly (0-2)

Shorthand

Business 124

Prerequisites: None

5 hours weekly (1-4)

3 hours

SHORTHAND

are the brief forms, the shorthand alphabet, basic theory and frequently used phrases. A basic course in the principles of Gregg Shorthand, Diamond Jubilee. Included

wpm at 1%; B-60 wpm at 1%; C-60 wpm at 2-3%. on 3 minute takes with at least 95% accuracy. The following grade scale is used: A--70 scription, spelling, punctuation, and proofreading. Shorthand speed grades are based Reading and writing practice are given on familiar and new materials. Training in tran-

Business 125

SHORTHAND

hours

5 hours weekly (1-4) Prerequisites: Business 124

A-100 wpm at 1%; B-90 wpm at 1%; C-80 wpm at 1%; training in transcription skills is given. The following grade scale is used for speed: Emphasis on speed building, office-style letters and sustained dictation. Further

Business 232

5 hours weekly (1-4) Prerequisites: Business 125

wpm at 1%; B-110 wpm at 1%; C-100 wpm at 1%. standards. Continued emphasis on spelling, punctuation, and transcription speed. Goal is professionally transcribed copy. The following grade scale is used for speed: A-120 Emphasis on dictation leading to mailable copy according to modern business

Business 233

rerequisites: Business 232 SHORTHAND

3 hours

5 hours weekly (1-4)

are units on: insurance, banking, education, medical, legal, real estate, and technical The following grade scale is used: A—130 wpm at 1%; B—120 wpm at 1%; C—110 wpm Emphasis on the vocabularies used in various types of business offices. Included

Typewriting

Business 116

5 hours weekly (1-4)

Prerequisites: None

TYPEWRITING

nours

B-40 wpm; C-35 wpm. are used in typing basic letter styles, manuscripts, and tabulated problems. The folwriter. Skill is developed for vocational and personal uses. Business office standards lowing grade scale is used for speed on 3 minute timings on straight copy: A—45 wpm Mastery of the keyboard with speed and accuracy in the touch operation of the type

Business 117

TYPEWRITING

3 hours

5 hours weekly (1-4) Prerequisites: Business 116

styles, manuscripts, and a mastery of typing digits. The following grade scale is used typing. Further study of business letters, special business communication forms and tor speed for 3-minute timings on straight copy: A—60 wpm; B—55 wpm, C—50 wpm Further development of speed and accuracy in both production and straight-copy

Prerequisites: Business 117 PRODUCTION TYPEWRITING

5 hours weekly (1-4)

developing the highest production rate possible in the typing of business letters, forms, legal documents, manuscripts, rough drafts, statistical reports, and business and ac-Emphasis on a high degree of accuracy and speed. All practice will be geared toward

C-60 wpm. grade scale is used for 5-minute timings on straight copy: A-70 wpm; B-65 wpm; counting reports. Practice is also given on the IBM Executive typewriter. The following

DEPARTMENT OF PUBLIC SERVICE AND HEALTH

Associate Degree Nursing

Associate Degree Nursing 201

Prerequisites: None

NURSING IV

12 hours

ciples from the physical, biological, and behavioral sciences, the student will begin areas with emphasis on the comprehensive care of patients of all ages. Utilizing prin-Introduces the student to selected nursing problems in specialized and complex 20 hours weekly (8-12)

Associate Degree to identify nursing problems based on the conceptual framework of human needs. Nursing 202

Prerequisites: None

NURSING V

2 hours

students will be able to develop skills needed for independent nursing judgments. community service agencies and professional group meetings, and development of leadership skills will be integral components of the course. Transition into graduate nurse role, experience in acute and extended care settings, Emphasizes the problem-solving approach in a variety of clinical situations so that 20 hours weekly (8-12)

Associate Degree Nursing 203

NURSING VI

6 hours

12 hours weekly (3-9) Prerequisites: None

effect change in health care delivery system after graduation. function in group situations, relate to people of all ages-staff and patients-, and of skills learned. It is expected that the student will have learned to be a safe practitioner, Will provide the student with practical experience utilizing all theory and knowledge

Child Care Teacher Aide

Child Care/ Teacher Aide 160

INTRODUCTION TO PRE-SCHOOL CHILDREN

3 hours

Prerequisites: None

3 hours weekly (3-0)

and social well being of the child. Observation of children is an important part of the and methods of guidance in various settings for the emotional, physical, intellectual, course. An introductory course in the study of children. Stresses development principles

Child Care/ leacher Aide 161

PRINCIPLES & PRACTICES OF CHILD CARE

Prerequisites: Child Care/Teacher Aide 160 or concurrent enrollment in 160

6 hours weekly (3-3)

included will be depth studies in pre-school education types and techniques of guidance This course will focus attention on guidance of young children in group settings

with safety and first aid measures for common pre-school children's accidents, in case an emergency situation arises. behavior problems, toys and equipment for pre-school groups. Familiarizes students

Teacher Aide 162 Prerequisites: None

3 hours weekly (3-0)

INTRODUCTION TO SCHOOL AGE CHILDREN

3 hours

Teacher Aide 272 Prerequisites: None

Child Care/

READING SKILLS

2 hours weekly (2-0)

problems. Familiarization with typical reading series books used by elementary schools will also be emphasized. lists, phonics, phonetics, modern innovations in teaching reading, and common reading An introductory course in reading instruction, stressing the basic elementary work

Child Care/ Teacher Aide 163

Prerequisites: None

4 nours weekly (2-2)

VISUAL METHODS

age children and general characteristics of the child as he matures

age 6 through adulthood. Emphasis is placed upon methods of disciplining school

A complete summary of the development and guidance methods of children from

Cosmetology

hours

Cosmetology 101

COSMETOLOGY

5 hours

methods of organizing books, pamphlets, and periodicals of effective use The course also surveys the various types of services offered in the modern library and Study of the care and operation of audio visual and multisensory aids to education. Study and practice of professional ethics, personal hygiene and grooming, visual Prerequisites: None 5 hours weekly (5-0)

ing theory of massage, facial make-up, hair coloring and art theory. waving, hairstyling, chemistry of heat and cold permanent waving, chemical hair relaxtion, shampooing and rinses, scalp and hair treatments, trichology, hair shaping, fingerpoise and personality development, cythology and bacteriology, sterilization, sanita-

Child Care/ Teacher Aide 264

Prerequisites: None

3 hours weekly (3-0)

METHODS OF TEACHING SPECIAL CHILDREN

3 hours

tion an aide might use in the classroom. such as, talented, deaf, and blind. Emphasis is also placed on the methods of instruc-A discussion of fundamental principles of working with various types of children:

Child Care/ Teacher Aide 265

RECREATION AND CRAFTS FOR CHILDREN

5 hours weekly (2-3) Prerequisites: None

taining goals for each activity to assure successful experiences. Emphasis is placed on planning activities, methods of presentation of materials, and ob-Instruction in purposes of recreational and creative activities for young children.

Teacher Aide 266

ADMINISTRATION PRE-SCHOOL

Prerequistes: Child Care/Teacher Aide 160, 161

6 hours weekly (3-3)

ships, policies, and managerial duties. Community services, which are available to aid the pre-school centers, will also be included. Consideration is given to staffing, public relations, equipment, parent-school relation-An orientation to supervisory and administrative operations of pre-school centers.

Child Care, Teacher Aide

CHILD CARE/TEACHER
AIDE LABORATORY

hours

Prerequisites: Consent of Assoc. Dean of Vo.-Tech.

15 hours weekly (0-15)

activities for young children. General principles of child care are practiced throughout the laboratory sessions. Actual experience with young children in planning, executing and evaluating various

Cosmetology 111

COSMETOLOGY

10 hours

LABORATORY

Prerequisites: None

quired by the Department of Registration & Education, State of Illinois is responsible for sanitation duties to be performed in the clinic laboratory and replications. Students will exchange beauty services on each other and after 240 clock hand and nail care, eyebrow arching, lash and brow tinting and basic make-up apweek color, tinting, bleaching, frosting, minking, tint-back and special color effects), (including corrective care and chemistry of creams), hair colorings, (temporary, 3-5 razor, chemical waving and chemical hair straightening, scalp and facial massage cation of beauty services familiar to the trade including shampooing, hair rinses, moldnours of study will perform beauty skills on patrons in clinic laboratory. Each student ing of hair, fingerwaving, pin curls and roller placements, hair shaping with scissors and Demonstrations and lectures by instructors with student participation and appli-30 hours weekly (0-30)

Cosmetology 102

Prerequisites: Cosmetology 101 COSMETOLOGY THEORY

5 hours weekly (5-0)

study of basic chemistry as applied in formulating of hair and skin cosmetics. and hair. A study of basic principles of electricity as applied to beauty science and of the body, dermatology, physics and chemistry of hair, disorders of the skin, scalp and waving, manicuring and nails, osteology, myology, neurology, various systems Theory of superfluous hair removal, the care and styling of wigs, thermal curling

Cosmetology 112 COSMETOLOGY LABORATORY Prerequisites: Cosmetology 111

30 hours weekly (0-30)

of bases), marcelling, trend hair styling, fashion trend make-up (daytime and evening) and review of laboratory skills taught in Cosmetology 111 with demonstrations and for hair styling, wiggery, (styling, cleansing, shaping, tucking, stretching and shrinking introduction to thermal curling, superflous hair removal, balance line and design

clinic laboratory and required by the Department of Registration and Education laboratory. Each student is responsible for sanitation duties to be performed in the performance by exchanging beauty services on each other and patrons in the clinic State of Illinois. lectures by instructors. Students will participate and demonstrate skills learned through

Cosmetology 103 COSMETOLOGY THEORY

3 hours

Prerequisites: Cosmetology 102

3 hours weekly (3-0)

for the Illinois State Board Examination. Illinois Law, cosmetology for the Negro. Review of entire curriculum in preparation metology, rules and regulations for open competition styling and competition judging. A study for the practical application of salon management, mathematics of cos-

Cosmetology 113 COSMETOLOGY LABORATORY

Prerequisites: Cosmetology 112

24 hours weekly (0-24)

artistry in hair styling, corrective make-up for facial types. Student competition styling of the face and make-up application, hair pressing, thermal curling and waving, for State Board Examinations. by instructors, and sanitation duties performed by students in accordance with the competition judging, complete review of cosmetology 111 and 112 in preparation Department of Registration and Education, State of Illinois. Introduction to proportions Demonstrations by instructors, public clinic conducted by students and supervised

Cosmetology 104 COSMETOLOGY SEMINAR

Prerequisites: Cosmetology 103

1 hour weekly (1-0)

local affiliate of the National Hairdressers Association. profits and sales, insurance, the opening of a new salon, competition styling, and the relationships, retailing of beauty goods, salesmanship abilities, the increasing of salon profession, managing of a beauty salon, purchasing of supplies, employer-employee An oral exchange of ideas and opinions, involving current techniques of the beauty

Cosmetology 114

COSMETOLOGY *LABORATORY*

10 hours

Prerequisites: Cosmetology 113

30 hours weekly (0-30)

preparation for the State Board Examinations. for the quarter will be a simulation of actual salon operations. Student will review in Completion of the Associate in Applied Science Degree Program. Clinic practice

Home Economics

Home Economics 100

3 hours

3 hours weekly (3-0) Prerequisites: None

needs of various ages and body conditions are examined during the course. necessary for healthy bodies. Food preparation and selection, cost analysis, and dietary A survey of essential concepts for the understanding of food components which are

Home Economics 101

3 hours weekly (3-0) Prerequisites: None

CONSUMER EDUCATION

3 hours

choices. The consumer's legal rights are also discussed in many common consumer problem situations. ing, credit, consumer contracts, and insurance in order for the consumer to make wise A survey to acquaint students with the basic principles of budgeting, decision mak-

Human Services

Human Services 101

3 hours weekly (3-0) Prerequisites: None

8 hours

TO HUMAN SERVICES INTRODUCTION

3 hours

agencies. Federal, state and local legislation affecting human services will be examined as care and guidance of children, education, social service agencies, and mental health on an analysis of community human services resources as they relate to such areas and the role and function of these activities in today's society. Emphasis will be placed A study of the history, philosophy, and organization of human services activities

Human Services 102 PRINCIPLES
AND PRACTICES IN HUMAN SERVICES

Prerequisites: None

3 hours weekly (3-0)

1 hour

including methods of intervention and problem solving. A study of the classifications of human needs and contemporary societies' response

Human Services 121

PRACTICUM I

3 hours

Prerequisites: Consent of Assoc. Dean of Vo.-Tech 15 hours weekly (0-15)

an agency skills in a specific human services setting. Students will spend 15 hours per week in Supervised practice in public or private social agencies to enhance the students

Human Services 122

PRACTICUM SEMINAR

Prerequisites: Concurrent enrollment in HUS 121

1 hour weekly (0-1)

1 hour

Informal group discussions of Practicum experiences and problems

INTERVIEWING

3 hours

Human Services 201

3 hours weekly (3-0) Prerequisites: None

application to practice in the Human Services A study of the theory and principles of interviewing with emphasis on its practical

Human Services 202

HEALTH DEVIATIONS

RECOGNIZING

3 hours

3 hours weekly (3-0) Prerequisites: None

components will be presented and discussed. Signs and symptoms of common health problems and their social and emotional

Human Services 221 HUMAN SERVICES-PRACTICUM II

Prerequisites: Consent of Assoc. Dean of Vo.-Tech.

15 hours weekly (0-15)

skills in a specific human services setting. Students will spend 15 hours per week in an Supervised practice in public or private social agencies to enhance the students

Human Services 222 PRACTICUM SEMINAR

Prerequisites: Concurrent enrollment in HUS 221

1 hour weekly (0-1)

Informal group discussions of Practicum experiences and problems

Human Services 231 SERVICES-PRACTICUM III HUMAN

3 hours

Prerequisites: Consent of Assoc. Dean of Vo.-Tech.

hours weekly (0-15)

skills in a specific human services setting. Students will spend 15 hours per week in an Supervised practice in public or private social agencies to enhance the students

Human Services 232

HUMAN SERVICES SEMINAR

hours

Prerequisites: None

3 hours weekly (3-0)

for employment. for integrating knowledge and skills dealing with professional concerns and applying Fourth-semester students participate in planning course content to meet their needs

Nurse Aide and Orderly

Orderly 101 Nurse Aide and PRACTICES OF NURSING PRINCIPLES AND

35 hours weekly (10-25)

9 hours

other members of the nursing team and to the community. of interest will be the duties and responsibilities to the patients, employer, supervisor tions, basic nursing theory, and skills necessary to render good total patient care. Points ethics, medical terminology, basic anatomy and physiology applicable to body func-Assistants, Nursing Attendants or Hospital Orderlies. The course will include medical or Orderlies. It provides students with the basic training for Nurse's Aides, Nursing This course has been designed for students interested in becoming Nursing Aides

Orderly 102 Nurse Aide and

PRACTICES OF NURSING PRINCIPLES AND

4 hours

Prerequisites: None

6 hours weekly (2-4)

care of aged, community health needs and agencies, immunization programs, comdures performed under the supervision of a professional nurse with an emphasis on: municable diseases, and diet therapy. An advanced course for Nurse Aides and Orderlies presenting health care proce-

Practical Nursing

3 hours

Nursing 101 **Practical**

PRACTICES OF NURSING

13 hours

Prerequisites: None 22 hours weekly (7-6-9)

hour

plete this course; but do not complete the Practical Nursing Program. come acquainted with duties and responsibilities including emphasis on nursing pattion programs and communicable disease nursing are integrated. The student will becommunity health needs are presented. Health agencies are introduced. Immunizasetting as well as in a hospital with faculty supervision. The role of the elderly person terns. Nurse Aide or Orderly certificate will be issued to those who successfully comincluding diet therapy, as well as care of the dying patient and his family. Personal and in the family setting is considered. Specific conditions related to the elderly are studied Basic nursing skills are presented and practiced concurrently in a nursing home

Nursing 171 Practical

PHARMACOLOGY

3 hours weekly (1-2) Prerequisites: Practical Nursing 101, Home Economics 100, Biological Science 105

of dosage. The student will have opportunity to develop skills to administer selected medications safely in a supervised clinical setting. dosage, normal uses and contraindications for use of drugs, and some computation will know the various routes of administration, methods relating to same, the usual This course includes lectures and supervised administration of drugs. The student

Nursing 181 Practical

MATERNAL AND

NEWBORN NURSING

Prerequisites: Practical Nursing 101, Home Economics 100, Biological Science 105 13 hours weekly (4-9)

sented at this time. the human body are emphasized. Nursing history and the Illinois Nursing Act are prenewborn while recognizing deviations from the normal. Reproductive functions of process. To develop skills, through supervised practice, in caring for the mother and the ing of effective prenatal and postnatal care and an understanding of the total birth Designed to develop within the practical nurse student an appreciation of the mean-

Practical Nursing 191

NURSING THE CHILD

7 hours

Prerequisites: Practical Nursing 101, Home Economics 100,

Biological Science 105

13 hours weekly (4-9)

tion, clinical experience in a pediatric division, and through the observance of the well care for the sick child using safety precaution, meaningful observation, and suitable child in some facility. nursing techniques. This experience will be accomplished through classroom instrucintellectual, emotional, and social behavior of the child patient. The student learns to with the normal pattern. This understanding will be helpful in evaluation of the physical and development of the child, and how heredity, illness, or environment may interfere Designed to help the student develop a basic understanding of the normal growth

Nursing 201

WITH PHYSICAL CONDITIONS NURSING THE ADULT

Prerequisites: Practical Nursing 171, 181, 191

15 hours weekly (3-12)

organizations wherein information on career opportunities, responsibilities, and conand accepted modes of treatment is presented and practiced concurrently. A comtinuing education are stressed prehensive consideration of the graduating student with respect to various nursing Nursing care involved in a broad range of adult health deviations, including etiology

WITH MENTAL CONDITIONS NURSING THE ADULT

hours

Prerequisites: Practical Nursing 171, 181, 191

4 hours weekly (1-3)

and accepted modes of treatment. Includes nursing interactions in supervised practice. Introduction to mental health and the deviations from normal, including etiology

Practical Nursing 111 Prerequisites: None

6 hours weekly (2-4)

EMERGENCY MEDICAL **TECHNICIAN**

5 hours

vanced care level. It utilizes both didactic and practical application. ambulance attendants, fire and rescue personnel, etc. The course is an 82 hour ad-Designed for those personnel engaged in Emergency Care. Such personnel as

Nursing 112 Practical

EMERGENCY MEDICAL TECHNICIAN

2 hours

2 hours weekly (2-0) Prerequisites: LPN 111

to participate in review and improved technique sessions. The refresher course is for the Emergency Medical Technician who has had two years of experience. Designed for those students who are registered EMT-As. The EMT-As are required

DEPARTMENT OF INDUSTRIAL EDUCATION

Agricultural/Automotive Mechanics

Mechanics 170 utomotive

1 hour weekly (1-0)

Agricultural/

Prerequisites: None

FUNDAMENTALS OF INTERNAL COMBUSTION ENGINES

1 hour

techniques of automotive engines. Theory is supplemented with laboratory work in Agricultural/Automotive Mechanics Laboratory 176. A study of the design, dynamic characteristics, thermodynamics, and basic service

Automotive Mechanics 171 Agricultural) ENGINE ELECTRICAL

2 hours

Prerequisites: Agricultural/Automotive Mechanics 170

2 hours weekly (2-0)

is supplemented with laboratory work in Agricultural/Automotive Laboratory 176. electronic ignition systems of the electrical systems of the automobile engine. Theory A study of design, diagnosis, and testing of the starting, charging, conventional and

> Agricultural_! Mechanics 172 Automotive

FUEL, LUBRICATION AND CARBURETION

1 hour

Prerequisites: Agricultural/Automotive Mechanics 170

1 hour weekly (1-0)

systems and carburetion. Theory is supplemented with laboratory work in Agricultural/ Automotive Mechanics Laboratory 176. quirements of automobiles. Theory of design, diagnosis and testing lubrication, fuel A study of petroleum products and their applications to the fuel and lubricants re-

Mechanics 173 Automotive Agricultural,

2 hours weekly (2-0)

Prerequisites: None

BRAKES AND SUSPENSIONS

2 hours

cultural/Automotive Mechanics Laboratory 177. related parts. Theory is supplemented by practical laboratory work experience in Agricar suspension systems, brake systems, wheel balance and tires, steering gears and A study of nomenclature, theory of operation, and service procedure on passenger

Mechanics 174 Agricultural/Automotive

Prerequisites: None

1 hour weekly (1-0)

DIESEL ENGINES

1 hour

practical laboratory work experience in Agricultural/Automotive Mechanics Laboratory tion, operating principles, and the fuel injection system. Theory is supplemented by The principles of the diesel engine are studied with reference to design, construc-

Automotive Agricultural/

Mechanics 175

1 hour weekly (1-0) Prerequisites: None

> HEATING AND AIR CONDITIONING

conditioning, including diagnosis and charging. Theory is supplemented by practical laboratory work experience in Agricultural/Automotive Laboratory 177. Specialized instruction in the operation and service of automobile heating and air

Mechanics 176 Automotive Agricultural)

Prerequisites: None AUTOMOTIVE MECHANICS AGRICULTURAL, *LABORATORY*

5 hours

15 hours weekly (0-15)

brakes, and heating and air conditioning systems work are the diagnosis and repair of front end alignment, wheel balance, disc and drum tion of shop activities are stressed in conjunction with work on live engines. Areas of Laboratory practice of shop safety, proper selection and use of tools and organiza-

Agricultural/ Mechanics 177 utomotive

MECHANICS LABORATORY

AGRICULTURAL/AUTOMOTIVE

5 hours

15 hours weekly (0-15) Prerequisites: None

activities are stressed in conjunction with work on live engines. Areas of work are the Laboratory practice of shop safety, proper tools and use of, organization of shop

and heating and air conditioning systems diagnosis and repair of front end alignment, wheel balance, disc and drum brakes,

Automotive Mechanics 270 Agricultural, DRIVE TRAINS

Prerequisites: None

nour weekly (1-0)

Agricultural/Automotive Mechanics Laboratory 276. missions, drive lines and differentials. Theory is supplemented with laboratory work in A study of the operation, servicing and trouble-shooting of clutches, manual trans-

Automotive Mechanics 27 Agricultural/ DRIVE TRAINS

Prerequisites: Agricultural/Automotive Mechanics 270

2 hours weekly (2-0)

are stressed. Theory is supplemented by laboratory work in Agricultural/automotive Mechanics Laboratory 277 A study of automatic transmission, theory, repair, diagnosis and trouble-shooting

EMISSION CONTROLS AND TESTING

Automotive

Agricultural,

Mechanics 272

2 hours

2 hours weekly (2-0) Prerequisites: Agricultural/Automotive Mechanics 170, 171

laboratory work in Agricultural/Automotive Mechanics Laboratory 276 model automobiles. Using the latest test equipment to meet these requirements of Hydrocarbon and Carbon Monoxide exhaust emissions. Theory is supplemented by A study of the operation and maintenance of emission controls as installed on late

Automotive Mechanics 273 Agricultural/ CHASSIS ELECTRICAL

specifications.

Prerequisites: Industrial Processes 211

2 hours weekly (2-0

are stressed. Theory is supplemented by laboratory work in Agricultural/Automotive seats, directional signals and all other wiring. Diagnosis, repair and trouble-shooting Mechanics Laboratory 277. A study of the electrical accessories of automobiles such as power windows, power

Automotive Mechanics 274 Agricultural, SMALL GAS ENGINES

Prerequisites: None

2 hours weekly (2-0)

engines with emphasis on carburetion, magneto ignition systems and governor controls. Theory is supplemented by laboratory work in Agricultural/Automotive Mechanics A study of the operation, servicing and trouble-shooting of 4-cycle and 2-cycle

Automotive Mechanics 275 Agricultural) SERVICE MANAGEMENT

Prerequisites: None

Laboratory 276.

1 hour weekly (1-0)

In Agricultural/Automotive Mechanics Laboratory 277. cedures in maintaining customer service relations. Supplemented by experience A study of the principles involved in managing automotive repair shops and pro-

> Mechanics 276 Agricultural, Automotive

1 hour

Prerequisites: None

AUTOMOTIVE MECHANICS AGRICULTURAL! LABORATORY

5 hours

5 hours weekly (0-15)

and repair of standard drive lines, small gas engines, and emission controls ties are stressed in conjunction with work on live engines. Areas of work are diagnosis Laboratory practice in shop safety, proper use of tools, organization of shop activi-

Mechanics 277 Automotive Agricultural, Prerequisites: None

15 hours (0-15)

2 hours

AUTOMOTIVE MECHANICS LABORATORY AGRICULTURAL,

electrical systems and management practice. conjunction with work on live engines. Areas of work are automatic transmissions, Laboratory practice in shop safety, organization and management are stressed in

Construction Management Technology

Construction Management echnology 101

3 hours weekly (3-0) Prerequisites: None

CONSTRUCTION MATERIALS AND METHODS

3 hours

Characteristics and use of basic construction materials; introduction to materials

Construction Management

CONSTRUCTION MATERIALS AND

hours

METHODS

lechnology 102

3 hours weekly (3-0) Prerequisites: None

of wood, steel and concrete buildings; also a consideration of foundation and connection systems to include fundamentals of concrete technology A study of the materials and techniques of construction used in structural frames

lechnology 105 Management Construction

Prerequisites: None

CONSTRUCTION SURVEYING

Determination of Meridian; land surveying methods. by transit and stadia methods. Topography, horizontal, vertical, spiralled curves. 3 hours weekly (3-0) Theory and practice of measurements employing surveying equipment. Traversing

Construction INTERNSHIP 121

4 hours

Management Technology 121 Prerequisites: Consent of Assoc. Dean of Vo.-Tech

20 hours weekly (0-20)

Twenty hours per week on-the-job training.

Construction Technology 122 Management

INTERNSHIP 122

4 hours

20 hours weekly (0-20) Prerequisites: Consent of Assoc. Dean of Vo.-Tech.

Twenty hours per week on-the-job training.

Construction Management

BLUEPRINT READING CONSTRUCTION

3 hours

lechnology 192 Prerequisites: None

3 hours weekly (3-0)

Emphasis on interpretation and communication of the requirements of contract draw-Thorough study of the symbols, conventions and details of construction drawings

Construction lechnology 201 Management

CONSTRUCTION ESTIMATING

3 hours

3 hours weekly (3-0) Prerequisites: None

Material, equipment and labor estimates of construction projects

Management Construction Technology 202

> FUNDAMENTALS OF LABOR RELATIONS"

> > 3 hours

3 hours weekly (3-0) Prerequisites: None

handling and discipline; wage standards and working conditions; and motivation and recruitment and selection; job placement, transfer, promotion and dismissal; grievance A study of the employer-employee relationship. Areas included are job analysis;

Construction

INTERNSHIP 221

4 hours

Management Technology 221 Prerequisites: Consent of Assoc. Dean of Vo.-Tech

Twenty hours per week on-the-job training 20 hours weekly (0-20)

Construction

Management Technology 222 INTERNSHIP 222

20 hours weekly (0-20) Prerequisites: Consent of Assoc. Dean of Vo.-Tech

Twenty hours per week on-the-job training

Industrial Processes

Industrial

Processes 101

MATERIALS

3 hours

3 hours weekly (3-0) Prerequisites: None

section modulus of sections, shearing stress and diagrams, bending moments and diagrams in beams. pression, tension and shear, modulus of elasticity, centroids, moments of inertia and A study of forces, components, resultants and equilibrants, stress and strain in com-

Processes 121 Industrial

Prerequisites: None

4 hours weekly (0-4)

MANUFACTURING **PROCESSES**

2 hours

in relation to flat pattern layout and development. Various other sheet metal cutting, bending, and welding operations will be performed reaming, boring, tapping, facing, and counterboring operations will be emphasized. drills, and sheet metal operations. Basic turning, drilling, knurling, tapering, threading, This course is an introductory study of precision measuring instruments, lathes,

Process 122 Industrial

MANUFACTURING PROCESSES

Prerequisites: Industrial Processes 121 4 hours weekly (0-4)

periences will be provided in the performance of these machine operations. and other metal cutting and bending machines. Basic foundry and heat treating exmeasuring instruments, lathes, bandsaws, milling machines, drill presses, grinders, This course is designed to provide advanced experiences in the operation precision

Industrial

METALLURGY

Processes 201

2 hours weekly (2-0) Prerequisites: None

phasis on iron-carbon alloys. mentary theories of bonding, crystal structure, deformation phenomena and phase relationships in binary alloys. Annealing and heat treatment of alloys with major em-A study of the fundamental characteristics and properties of metals and alloys, ele-

Industrial

Processes 211

5 hours weekly (3-2) Prerequisites: None

alternating current. New developments in the field are introduced ation transmission, and utilization of electrical energy by means of direct current and A basic A.C. and D.C. electricity course for technical students. The study of the gener-

FUNDAMENTALS OF ELECTRICITY

4 hours

Drafting Technology

Drafting lechnology 181

ECHNICAL DRAFTING

6 hours

4 hours

9 hours weekly (3-6) Prerequisites: None

with the major emphasis on the fundamentals of orthographic projection graphic projection, sections and conventions, and basic dimensioning will be studied involved in mechanical drafting. Lettering, sketching, geometric construction, ortho-This is a lecture-laboratory course designed to promote the basic technical skills

lechnology 182

9 hours weekly (3-6) Prerequisites: Drafting Technology 181

6 hours

TECHNICAL DRAFTING

lems are undertaken in the drawing and dimensioning of mechanical elements. tolerancing, cams, gears, threads and fasteners, and pictorial drawing. Specific prob-A continuation of Technical Drafting 181, with emphasis on precision dimensioning.

Drafting Technology 183 DETAIL AND ASSEMBLY

Prerequisites: Drafting Technology 181, 182

4 hours weekly (0-4)

detail and assembly drawing, title block construction, engineering change procedures production dimensioning, and drafting departmental practices. phasis on production drawings and practices. Specific problems are undertaken in A laboratory class involved in the study of detail and assembly drawing with em-

Technology 184

ARCHITECTURAL DRAFTING

3 hours

Prerequisites: None

5 hours weekly (1-4)

Floor plan layout, elevation drawing, foundation, framing, sectional details, and pictorial drawing will be emphasized. An introductory lecture-laboratory course in architectural drafting and design

Technology 192

BLUEPRINT READING

hours

3 hours weekly (3-0) Prerequisites: None

principles are studied and applied to specific problems. Fundamentals of blueprint reading as applied to the welding industry. Basic drafting

Technology 281 Drafting

DRAWING

ADVANCED TECHNICAL

hours

Prerequisites: Drafting Technology 182

7 hours weekly (1-6)

other reference materials is emphasized in the design and drawing of various required ings, electrical drawings, and machine elements. The use of handbooks, catalogs, and drawing assignments. Continuation of Technical Drafting 182 with emphasis on weldments, piping draw-

Technology 282 Drafting

TOOL DESIGN

Prerequisites: Drafting Technology 28 7 hours weekly (1-6)

ance for practical individual design solutions. guiding and work holding. Laboratory assignments include jig and fixture design problems. Current industrial designs and vendor's catalogs provide references and guid A theory-practice course in design related to production tooling devices for tool

Technology 283

ADVANCED TECHNICAL DRAWING

hours

Prerequisites: Drafting Technology 282

7 hours weekly (1-6)

drawing, processing the part, selecting an automatic machine and drawing the tool gages to check the part. layout, designing the necessary tooling components, and designing the necessary the entire industrial process. This includes designing the part, drawing the casting The course will consist of the student selecting a simple part and taking it through

146

2 hours

Drafting lechnology 285

DESCRIPTIVE GEOMETRY

Prerequisites: Drafting Technology 181

5 hours weekly (1-4

placed on analytical procedures, the importance of accuracy and systematic notation in graphical solutions. lems through the application of the principles of multiview projection. Emphasis is A study of graphic analysis and the solution of typical three-dimensional space prob-

Drafting echnology 294

Prerequisites: None

5 hours weekly (1-4)

ADV. ARCHITECTURAL

DRAFTING

set of working drawings. and cost analysis techniques. Emphasis will be placed on the drawing of a complete ion drawing, building codes, schedules, specifications, heating, electrical, plumbing, A continuation of Architectural Drafting 184 including residential and light construc-

Machine Processes

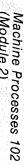
(Module 1) Machine Processes 101

PROCEDURES MEASURING TOOLS AND

1 hour

2 hours weekly (0-2) Prerequisites: None

be placed on measurement with a scale, calipers, combination set, vernier caliper micrometers, depth gage, and dial calipers, dial indicators, parallels, and precision A survey of the basic measuring tools used by the machinist. Major emphasis will



BENCH WORK

Prerequisites: None

2 hours weekly (0-2)

hacksaws, chisels, and punches as well as proper techniques in hand tapping, hand Emphasis is placed on proper care and use of hammers, files, wrenches, screwdrivers, reaming, broken tap and bolt removal, and deburring operations. A study of the proper use and selection of the basic hand tools used by the machinist.

Machine Processes 103 Module 3, PRESS OPERATION

1 hour

Prerequisites: None

2 hours weekly (0-2)

ing, drilling, reaming, and tapping be placed on tool holding devices, speeds and feeds, drill nomenclature, drill sharpen-A study of the types, construction, and operation of the drill press. Emphasis will

Machine Processes 104 (Module 4)

Prerequisites: Module 1

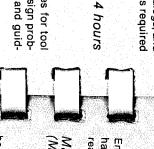
OPERATION

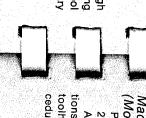
1 hour

2 hours weekly (0-2)

toolholders, grinding lathe cutting tools, cutting speeds and feeds, and alignment protions involved in the operation of the lathe. Emphasis will be placed on cutting tools, A study of the types, construction, accessories, maintenance, and safety precau-







(Module 5) Machine Processes 105

OPERATION

Prerequisites: Module 4

2 hours weekly (0-2)

turning, shoulder turning, filing and polishing. Emphasis on machining in a 3-jaw chuck and draw-in collets, centering, facing,

(Module 6 Machine Processes 106 **OPERATION**

Prerequisites: Module 5

2 hours weekly (0-2)

and parting precedures Emphasis on machining between centers, grooving, form turning, knurling, cut-off

Machine Processes 107 MILLING MACHINE OPERATION VERTICAL

Prerequisites: Module 1

hours weekly (0-2)

ing cutters, holders, and attachments, speeds and feeds, and indicating procedures involved in the operation of a vertical milling machine. Emphasis will be placed on mill-A study of the types, construction, operation, maintenance, and safety precautions

Machine Processes 108 MILLING MACHINE OPERATION

2 hours weekly (0-2) Prerequisites: Module 7

Emphasis on end milling, fly-cutting, shell end milling, angular milling, and slot

(Module 9) Machine Processes 109 es 109 HORIZONTAL MILLING MACHINE OPERATION

2 hours weekly (0-2) Prerequisites: Module 1

on cutters and holders, feeds and speeds, and set-up precedures involved in the operation of a horizontal milling machine. Emphasis will be stressed A study of the types, construction, operation, maintenance, and safety precautions

Machine Processes 110 HORIZONTAL (Module 10) MILLING MACHINE OPERATION

Prerequisites: Module 9

2 hours weekly (0-2)

and cutting depth. Emphasis on plain or slab milling, straddle milling, cutter selection, slot cutting,

Machine Processes 111 (Module 11) GRINDING OPERATION

Prerequisites: Module 1

2 hours weekly (0-2)

grinding. placed on grinding with a vise, magnetic chuck, vee blocks, wheel dressing, and slot safety precautions involved in the operation of a surface grinder. Emphasis will be A study of the types, construction, grinding wheels, work holding devices, and

Machine Processes 112 MEASURING (Module 12) TOOLS AND LAYOUT PROCEDURES

1 hour

1 hour

Prerequisites: Module 1

2 hours weekly (0-2)

gages, vernier height gage, vernier bevel protractor, and fillet gages. Emphasis on measurement with telescoping gages, inside micrometer, small hole

Machine Processes 113 (Module 13)

hour

PRESS OPERATION

Prerequisites: Module 3

2 hours weekly (0-2) Emphasis on work holding devices, jugs, fixtures, counterboring, countersinking,

(Module 14) Machine Processes 114

2 hours weekly (0-2)

spotfacing, and boring.

1 hour

LATHE OPERATION

1 hour

Prerequisites: Module 6

turning using the compound rest, the taper attachment, and offsetting the tailstock. Emphasis will be placed on taper calculations, types, taper measurement, taper

Machine Processes 115

Module 15) Prerequisites: Module 14

2 hours weekly (0-2)

1 hour

OPERATION

and 60° thread cutting and chasing Emphasis on thread terminology, types, fits, classification, lathe threading set-up,

Machine Processes 116

(Module 16)

hour

Prerequisites: Module 15 OPERATION

threading. Emphasis on boring, counterboring, internal relief and groove cutting, and internal 2 hours weekly (0-2)

Machine Processes 117 'Module 17) MILLING MACHINE OPERATION VERTICAL

2 hours weekly (0-2) Prerequisites: Module 8

1 hour

ping, and boring of holes. Emphasis on set-up, location, and indicating procedures for drilling, reaming, tap-

Machine Processes 118

(Module 18) MILLING MACHINE OPERATION

2 hours weekly (0-2) Prerequisites: Module 17

1 hour

reaming, tapping, and boring operations in cylindrical stock Emphasis on rotary table set-up, locating, and indicating procedures for drilling.

(Module 19) Machine Processes 119 MILLING MACHINE OPERATION HORIZONTAL

2 hours weekly (0-2) Prerequisites: Module 10

cutting Emphasis on face milling, machining between centers, keyway cutting, and groove

148

Machine Processes 120

2 hours weekly (0-2) Prerequisites: None

ting, internal cutting, and abrasive cutting. chining. Emphasis will be placed on blade selection, speeds and feeds, contour cut-A study of the types, construction, and operating techniques involved in band ma-

(Module 21) Machine Processes 121 Prerequisites: Module 11 GRINDING OPERATION

Emphasis on form grinding, vee grinding, index centers, and rotary table grinding. 2 hours weekly (0-2)

Machine Processes 122 AND HEAT TREATMENT **FORGING**

1 hour

2 hours weekly (0-2) Prerequisites: None

lated to the machinists. A study of the basic procedures for heat treatment, forge work, and casting as re-

(Module 23) Machine Processes 123 Prerequisites: Module 12 TOOLS AND LAYOUT PROCEDURES

2 hours weekly (0-2)

hole gages, thread micrometers, snap gages, sine bar gaging, and optical measuring rechniques. Emphasis on measurement with a surface gage blocks, angle gage blocks, mike

Machine Processes 124 (Module 24) Prerequisites: Module 15 **OPERATION**

1 hour

Emphasis on lathe set-ups and cutting of acme, square, pipe, and multiple threads. 2 hours weekly (0-2)

(Module 25) Machine Processes 125 Prerequisites: Module 24

2 hours weekly (0-2)

a steady rest or follow rest. Emphasis on four jaw chucking operations, faceplate turning, and machining with

Machine Processes 126 LATHE OPERATION

2 hours weekly (0-2) Prerequisites: Module 25

Emphasis on mandrel turning, eccentrics, friction driving, and turret lathe principles.

Machine Processes 127 **VERTICAL**

Prerequisites: Module 17 MILLING MACHINE OPERATION

2 hours weekly (0-2)

key-seat cutting, and metal slitting operations. Emphasis on milling between centers using the rotary indexing head, keyway and

> Machine Processes 128 (Module 28) MILLIN MILLING MACHINE OPERATION VERTICAL

> > 1 hour

1 hour

Prerequisites: Module 27 2 hours weekly

Emphasis on milling of flutes, slots, and grooves using the dividing or indexing

Machine Processes 129 (Module 29)

hour

Prerequisites: Module 28 MILLING MACHINE OPERATION

1 hour

2 hours weekly (0-2)

Machine Processes 130 (Module 30) Emphasis on gear terminology, types, indexing, and cutting of gears. MILLING OPERATION HORIZONTAL

2 hours weekly Prerequisites: Module 19

Emphasis on milling set-up for milling flutes and grooves using the indexing head.

(Module 31) Machine Processes 131 Prerequisites: Module 30 MILLING MACHINE OPERATION HORIZONTA

1 hour

2 hours weekly (0-2)

hour

Emphasis on milling and indexing of spur and bevel gears.

Machine Processes 132 Module 32 OPERATION GRINDING

2 hours weekly (0-2) Prerequisites: Module 21

grinding. Emphasis on cylindrical grinding, internal grinding, angular grinding, and taper

(Module 33) Machine Processes 133

GRINDING OPERATION

1 hour

2 hours weekly (0-2) Prerequisites: Module 32

1 hour

cutters, plain milling cutters, and shell milling cutters, Emphasis on the grinding of tools and cutters such as taps, end mills, side milling

Welding

Welding 183 FUNDAMENTALS OF WELDING

2 hours

4 hours weekly (0-4) Prerequisites: None

1 hour

applications are made in a laboratory setting Designed to meet the needs of students enrolled in other technical courses. Typical A basic combination welding course dealing with oxy-acetylene and arc welding.

Welding 184 PRINCIPLES OF INDUSTRIAL

3 hours weekly (3-0) Prerequisites: None

tion, power sources, maintenance and safety precautions. Students also receive in-A study of automatic, semi-automatic and manual welding processes, their opera-

techniques of welding carbon steels, alloy steels, aluminum, and cast iron. struction in joint designs, classification, selection of filler rods, flame cutting and the

WELDING LABORATORY

7 hours

Prerequisites: None 14 hours weekly (0-14)

This course must be taken concurrently with Welding 184. thin materials, single and multiple passes in the flat and horizontal welding positions Supervised laboratory practice in the welding of butt, tee, and lap joints, thick and

Welding 186

Prerequisites: None

PRINCIPLES OF INDUSTRIAL WELDING

3 hours

and the development of welder qualification tests. metals, hard surfacing, testing-inspection and interpretation of welds, quality control A continuation of Welding 184 with emphasis on procedures for welding problem 3 hours weekly (3-0)

Welding 187 Prerequisites: Welding 184, 185

WELDING LABORATORY

ferent types and sizes of pipes are covered. This must be taken concurrently with Weldvertical and overhead. Additional skills in laying out, flame cutting and welding of difon aluminum, alloy steels, and carbon steels. The welding positions include horizontal Supervised laboratory practice of welds on butt, lap, outside corner, and tee joints 14 hours (0-14)

Welding 188

WELDING LABORATORY

Prerequisites: Welding 184, 185, 186, 187

in vertical position with the E-7018 electrode. All welds will be tested according to the cation test required by the coal mining and construction industry. American Welding Society Code. The successful student will be able to pass the qualifi-This course will consist of supervised laboratory assignments on vee-joint butt welds 2 hours weekly (0-2)

Welding 189

WELDING LABORATORY

Prerequisites: Welding 184, 185, 186, 187

2 hours weekly (0-2)

vertical position with the E-7018 electrode. All welds will be tested according to the fication test required by the coal mining and construction industry. American Welding Society Code. The successful student will be able to pass the quali-This course will consist of supervised laboratory assignments on tee-joint welds in

WELDING LABORATORY

Prerequisites: Welding 184, 185, 186, 187

2 hours weekly (0-2)

welds in overhead position with the E-7018 electrode. All welds will be tested accordthe qualification test required by the coal mining and construction industry. ing to the American Welding Society Code. The successful student will be able to pass This course will consist of supervised laboratory assignments on vee-butt joint

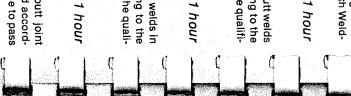
Welding 191

WELDING LABORATORY

Prerequisites: Welding 184, 185, 186, 187

2 hours weekly (0-2)

qualification test required by the coal mining and construction industry. to the American Welding Society Code. The successful student will be able to pass the welds in overhead position with the E-7018 electrode. All welds will be tested according This course will consist of supervised laboratory assignments on tee-butt joint



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Connie JeffersonSı	Secretary to the Dean of Student Services	
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1thern Illinois University	Business Office Accountant	-11-00-00-00
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Heating and Air	and Air Conditioning Engineer	
Virginia Crana	Director of Security	}
Darcy Dietz	Bookstore Clerk	A SPECIAL SPEC
Charles Hodges	Custodian	. 1
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Ernest Kelly	Custodian	
Jan Lindsey	Payroll Clerk	7
Thomas Morris	Receptionist	
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Homer Rice	Grounds Maintenance	
hy Roach	General Ledger Bookkeeper	
	·····Custodian	-
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	159	Hazel LeFevre	Shirley A. Hill	Shirley Everingham	B.S., Southern Illinois University M.S., Southern Illinois University	Southern Illinois University	. Southern Illinois University . Southern Illinois University	PUBLIC SERVICE AND HEALTH DEPARTMENT Mary Ellen Abell	A.S., Olney Central College B.S., Southern Illinois University	B.S., Southern Illinois University Terry J. Stanley	Paul E. Roach	Jon M. Rivers B.S., Ferris State College		INDUSTRIAL DEPARTMENT	Advanced graduate study Southern Illinois University *Part-time instructor	B.S., Southern Illinois University M.S., Southern Illinois University	John C. Sala

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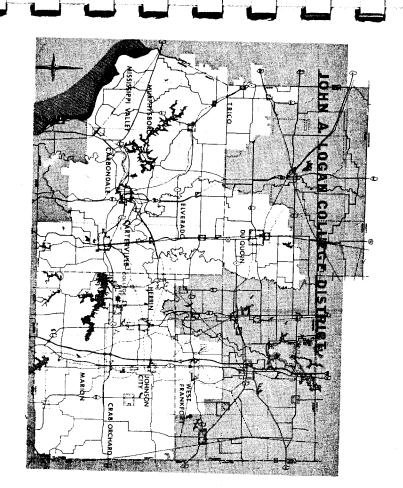
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ENROLLSELT IN ANY INSTRUCTION OF APPLIED MUSIC

- 1. Students majoring in music at John A. Logan College may earn up to 12 quarter hours of credit in applied music.
- 2. Students receive one quarter hour of credit for successfully completing applied music. The student is required to meet with his instructor for a half-hour lesson each week throughout the quarter.
- 3. The college does not attempt to provide faculty to instruct applied music. It is the students' responsibility to arrange for this instruction and, subsequently, enroll in applied music in order to receive college credit. Prospective teachers should be asked to contact the Dean of Instructional Services and file an appropriate application. Payment for this instruction is the responsibility of the student.
- 4. Students must be advised by Mrs. Karen Sala, music instructor, in order to enroll in applied music.
- 5. The college offers the following courses in applied music: Music 111, 112, 113, 114, 211, 212, 213, & 214. Students may receive instruction in the following instruments:

ı.	voice	11.	bassoon
2.	piano	12.	saxophone
З.	organ	13.	percussion
4.	violin	14.	French horn
5.	viola	15.	trumpet
6.	cello	16.	trombone
7.	string bass	17.	tuba
8.	flute	18.	baritone
9.	oboe	19.	harpsichord
10.	clarinet	20.	other

MAP OF JOHN A. LOGAN COLLEGE DISTRICT



Carbondale Community High School District 165
Carterville Community Unit School District 5
Crab Orchard Community Unit School District 3
DuQuoin Community Unit School District 300
Elverado Community Unit School District 196
Herrin Community Unit School District 4
Johnston City Community Unit School District 1
Marion Community Unit School District 2
Mississippi Valley Community Unit School District 166
Murphysboro Community Unit School District 176
Trico Community Unit School District 176
West Frankfort Community School District 168

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