



John A. Logan College

Associate in Science Degree in Mathematics

Transfer Curriculum 000AS0087
Associate in Science: 64 Hrs. Min.
Major Code: 1.1 270101B
Effective Date: Fall 2019

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses from the following five areas. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI COMMUNICATIONS (3 COURSES)

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

IAI HUMANITIES AND FINE ARTS (2 COURSES)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

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

IAI Fine Arts Electives:

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

IAI Humanities Electives:

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

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 131 (5)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)

At least two different disciplines (course prefixes) must be represented.

	Sem.	Grade
Social Science Elective (3)	_____	_____
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IAI Social and Behavioral Sciences Electives:

Anthropology: ANT 111, 202, 216, 240
Economics: ECO 201, 202
Geography: GEO 112
History: HIS 103, 104, 201, 202
Political Science: PSC 131, 211, 212, 213, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 215, 263, 264

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)

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

	Sem.	Grade
BIO 101 (4) or Life Science Elective	_____	_____
PHY 205 (5) or Physical Science Elective	_____	_____

IAI Life Science Electives:

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

IAI Physical Science Electives:

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

Additional Associate in Science Degree Requirements

(Courses should be applicable to the desired major)

	Sem.	Grade
MAT 201-5	_____	_____
PHY 206-5 or Physical or Life Science Elective	_____	_____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 64 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

	Sem.	Grade
ORI 100 (1)	_____	_____
CPS 206 (4) or Elective	_____	_____
MAT 202 (5)	_____	_____
MAT 205 (3) or General Elective	_____	_____
MAT 221 (3) or General Elective	_____	_____
PHY 205 (5) or General Elective	_____	_____
PHY 206 (5) or General Elective	_____	_____
Foreign Language (8) or General Electives	_____	_____

ARTICULATION NOTES: Consult the transfer institution for specific requirements

IAI AND MATHEMATICS MAJOR PABNEL INFORMATION: Take MAT 131, 201 and MAT 221 or MAT 205 to fulfill core. It is highly advised to complete the Calculus sequence at the same institution. Take CPS 206 and PHY 205. JALC Math suggests PHL 121-3 as the IAI GECC Humanities Elective

SIUC TRANSFER INFORMATION: For the B.S. degree under the College of Science take MAT 131, 201, 202, MAT 221. Take CPS 206. Take MAT 205 as a match to MATH 305 that fulfills a Group C requirement.

-Take a two course Foreign Language sequence at the college level to satisfy the College of Science Supportive Skill requirement. Three years of the same language with grades of C or higher in high school will also satisfy the Supportive Skills requirement. BIO 101 and 102 will satisfy the College of Science Biological Sciences requirement. PHY 205/206 can fulfill the Physical Sciences requirement for the College of Science.

SIUE TRANSFER INFORMATION: All program options under Mathematics and Statistics require completion of a core. Take MAT 131, 201 and 202. Take MAT 221. Take PHY 205. PHL 121 is recommended. MAT 223 and CS 145 will need to be completed at SIUE.

B.S. degree options include Actuarial Science, Applied Math, Pure Math, Statistics and Teacher Licensure. Depending on the Mathematical Studies option, additional courses could be taken at JALC that meet degree requirements.

EIU TRANSFER INFORMATION: Offers Mathematics with two concentrations (Applied Mathematics and Pure Mathematics)

- Take MAT 131, 201, 202 and 221. Also take CPS 206
- Take MAT 205 and CPS 215 for the Applied Mathematics option. Take MAT 205 for the Pure Mathematics option.
- Foreign Language-8 is required but two years in a single language in high school with "C" or grades will waive the one year/two course requirement.

ISU TRANSFER INFORMATION: Offers Mathematics with two concentrations (Applied Mathematics and Pure Mathematics)--Take MAT 131, 201, 202 and 221. Take CPS 206.

- Take MAT 205 and CPS 215 for the Applied Mathematics option. Take MAT 205 for the Pure Mathematics option.
- Foreign Language-8 hours is required but two years in a single language in high school with "C" or grades will waive the one year/two course requirement