



John A. Logan College

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

Transfer Curriculum 000AA0086

Associate in Arts: 64 Hrs. Min.

Major Code: 1.1 270199

Effective Date: Fall 2020

## 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 (3)                     | _____ | _____ |

### IAI HUMANITIES AND FINE ARTS (3 COURSES)

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

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

#### IAI Fine Arts Electives:

Art: ART 111, 220, 221, 291

Literature: LIT 275

Music: MUS 105, 225

Theater: THE 113

#### IAI Humanities Electives:

Foreign Language: FRE 202, GER 202, SPN 202

History: HIS 101, 102, 213

Literature: LIT 210, 230, 235, 264, 280, 281, 284, 295

Philosophy: PHL 111, 121, 131, 200, 260

### IAI MATHEMATICS (1 COURSE)

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

### IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)

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

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

#### IAI Social and Behavioral Sciences Electives:

Anthropology: ANT 111, 202, 216, 240

Economics: ECO 201, 202

Geography: GEO 112

History: HIS 103, 104, 201, 202

Political Science: PSC 131, 211, 212, 213, 289

Psychology: PSY 132, 200, 203, 262

Sociology: SOC 133, 215, 263, 264

### IAI PHYSICAL/LIFE SCIENCES (2 COURSES)-7 CREDITS

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

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

#### IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225

Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B

Life Science: SCI 215

#### IAI Physical Science Electives:

Chemistry: CHM 141, 151

Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B

Physical Science: PHS 102,103,105,107

Physics: PHY 121, 155, 205

## MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 64 hours).

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

**Articulation Notes:** 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. Some four-year universities will apply up to 70-78 hours of transfer credit. Verify with your intended university the number of hours completed that will be applicable toward a specific program of study before transferring. Investigate the required Professional Actuarial Examinations to determine the schedule and if one or more are required prior to entering the junior year.

#### SIUC

Offers a B.A. degree in Mathematics with a specialization in Actuarial Mathematics under the College of Liberal Arts. Take one year of a foreign language: FR 101/102 (FR 123A/B), GER 101/102 (GER 126A/B) or SPN 101/102 (SPAN 140A/B) A. Take ENG 113 (with ENG 101/102, ENG 113 will substitute for ENGL 291). Take two courses to satisfy an International Coursework requirement for the College of Liberal Arts (ART 220, 223, HIS 101A, 101B, 223, ANT 111, PSC 289). Take MAT 131 (MATH 150), MAT 201 (MATH 250), MAT 202 (MATH 251) and MAT 221 (MATH 221). Take CPS 202 (CS 202). Take MAT 205 (MATH 305) to meet a Group C-Applied Mathematics requirement. Take additional courses required for VEE examinations: ECO 202 (ECON 240) and ECO 201 (ECON 241), ACC 200/201 (ACCT 220) and ACC 202 (ACCT 230). Students become Actuaries by taking three Validation by Educational Experience (VEE) course sequences and by passing professional examinations given by the society of Actuaries (SOA) and Casualty Actuarial Society (CAS). Students are required to complete three VEE course sequences and are encouraged to pass EXAM P/1., FM/2 and either MLC/3L or C/4.

#### ISU

Offers an Actuarial Science sequence under Mathematics. Take MAT 131 (MAT 145), MAT 201 (MAT 146), MAT 202 (MAT147) and MAT 221 (MAT175). Take ACC 200/201 (ACC 131) and ACC 202 (ACC 132). Take ECO 201 (ECO 101) and ECO 202 (ECO 102). Take MAT 282 (MQM 100). Take CPS 206 (IT 168). To meet the AMALI graduation requirement, take one of the following: ANT 111, 216, GEO 112, HIS 103, 104, 213, HUM 120, PSC 120, 212, 213, PHL 200 or 260. If you are seeking the B.S degree option, you need to meet the SMT (Science, Mathematics and Technology) requirement. Select a course from BIO 105, 226, 240, 275, CHM 142, 201, MAT 120 or 282, PHS 107, MAT 117, 201, 202, CPS 202 or MAT 125, MAT 221, BUS 121 or MAT 282, PHY 156, 206. If you are seeking the B.A. degree option, you will need to complete LAN 115 or the equivalent (FRE 201, GER 201 or SPN 201).

#### UIUC

Offers Mathematics and Actuarial Sciences under the College of Liberal Arts and Sciences. To graduate, the fourth level of one language is required (take SPN 101/102/201/202, GER 101/102/201/202 or FRE 101/102/201/202. Take MAT 131 (MATH 220), MAT 201 (MATH 231) and MAT 202 (MATH 241). UIUC requires MATH 292 (bridge course) to get 241 credit. Take CPS 206 (CS 101), ECO 202 (ECON 102), ECO 201 (ECON 103) and a financial Accounting course (ACC 200/201). A 2.70 or higher GPA is required for admission A grade of B or higher is required for each Mathematics course taken.

## **SIUE**

Offers an Actuarial Science specialization under Mathematical Studies (B.A. or B.S. degree options). Take MAT 131 (MATH 150), MAT 201 (MATH 152), MAT 202 (MATH 250), MAT 205 (MATH 305) and MAT 221 (MATH 321). Take ECO 201 (ECON 111) and ECO 202 (ECON 112). Take PHY 205 (PHYS 151/151L). Take ACC 200/201 (ACCT 200) and ACC 202 (ACCT 210).

SIUE's CS 145 is required but CS 140 (CPS 206 at JALC) can satisfy this requirement. The most popular minor for this major is computer science. For this minor with Mathematical Studies, CS 140 (CPS 206) is the better option and satisfies the minor requirement.

Students pursuing the B.A. degree option will need two semesters of the same foreign language (SPN 101/102, FRE 101/102 or GER 101/102)