



John A. Logan College

# Associate in Science Degree Toward a Pre-Baccalaureate Degree in Computer Science Traditional Track

Transfer Curriculum 000A50087  
Associate in Science: 62 Hrs. Min.  
Major Code: 1.1 110701B  
Effective Date: Fall 2018

## 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. The degree requirements as listed **do not complete IAI GECC core requirements**. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

### IAI COMMUNICATIONS (3 COURSES)

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

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

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

	Sem.	Grade
Fine Arts Elective	_____	_____
PHL 121 or Humanities Elective	_____	_____

#### IAI Fine Arts Electives:

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

#### IAI Humanities Electives:

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

### IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 131 (5)	_____	_____

### IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)

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

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

#### IAI Social and Behavioral Sciences Electives:

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

#### IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225  
Interdisciplinary: PHS 101 with PHS 111  
Life Science: SCI 215

#### IAI Physical Science Electives:

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

## MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 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
CPS 206 (4) (spring semester course)	_____	_____
CPS 202/MAT 125 (3) (fall semester odd num. years) or Elective	_____	_____
CPS 215 (4) (fall semester in even num. years)**	_____	_____
MAT 201 (5) or General Elective	_____	_____
MAT 221 (3) (spring semester even num. years) or Elective	_____	_____
CHM 151 (5) or General Elective	_____	_____
CHM 152 (5) or General Elective	_____	_____
**NOTE: Students beginning this program in even number years, fall semester, may take MAT 202 or MAT 205 as a substitution for CPS 215.		
<b>Additional Associate in Science Requirements: (Courses should be applicable to desired major)</b>		
PHY 206 (5) or Physical or Life Science Elective	_____	_____
MAT 201 (5) or MAT 125 (3) or MAT Elective	_____	_____

**ARTICULATION NOES:** Consult the transfer institution for specific requirements.

**\*IAI Computer Science Major Panel:** Take CPS 206 and 215 (Recommendation: take both at same institution). Take CPS 202 or MAT 125. Recommendations include ECO 201, 201, PHY 205 and MAT 131, 117, 116 or 125.

**\*SIUC:** Take CPS 206, 215 and CPS 202 (or MAT 125). Take MAT 131, 201 and 221. PHL 121 is recommended.

To meet the College of Science Biological Science requirement, take BIO 101 and 102. Take PHY 205 and 206 or CHM 151 and 152 to meet the Physical Science requirement. Take the Supportive Skills requirement at SIUC.

**\*SIUE:** For the B.S. degree option, take CPS 206 and 215. Take MAT 131 and 201. Take PHL 121. SPE 116 is an approved match to ACS 103. Take PHY 205 and 206 or CHM 151 and 152 to satisfy a Laboratory Science requirement. Take BIO 101 to satisfy an additional Science Lab Elective

-For the B.A. degree option, take CPS 206 and 215. Take MAT 282 (a match to STAT 244) and MAT 131. Take PHL 121. SPE 116 is a match to ACS 103. A two course sequence or one year of a foreign language is also required.

**\*EIU:** Take CPS 206, 215 and 208. Take MAT 131, 201, 202 and 221. Take MAT 125 or CPS 202. MAT 205 is a match to MAT 3501 and can be used as Computer Science elective credit. Two course sequence or one year of a foreign language is required. Some institutions will accept IPP 141/142 in lieu of a foreign language. Two years of same language in high school with C or better grades allows for an exemption.

**\*ISU:** Take CPS 206. Take MAT 131 and 201. Take BUS 121-3 as a match to MQM 100. Take CHM 141 and 142 or PHY 205 and 206. Take BIO 101 and 102. All graduates must complete one course that fulfills the AMALI (former Global Studies) requirement. GEO 112 or PSC 212 will satisfy this requirement. All Bachelor of Science degrees require successful completion of a three credit course from a listing of SMT (Science, Mathematics including Statistics or Technology) courses. Select from BIO 226, 240, 275, CHM 142, 152, 201, PHS 107, MAT 117, 201, 202, 125, 221, BUS 121, PHY 156 or 206. All graduates seeking a degree under the College of Arts and Sciences must successfully complete a two course sequence or one year of a foreign language. ASL 141 and 142 will meet this requirement. Three years of the same language in high school will also satisfy this requirement.