

**COMPUTER SCIENCE-ASSOCIATE IN SCIENCE
TRADITIONAL TRACK
Pre-Baccalaureate Program Guide**

**Transfer Curriculum 000AS0087
Associate in Science: 62 HRS
Major Code: 1.1 110701B**

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. Degree requirements have been revised for new students for the fall 2016 term. 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)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 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.

_____ 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 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

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

IAI Mathematics (1 course)

_____ MAT 131(5)

IAI Social and Behavioral Sciences (2 courses)

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

_____ 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.

_____ 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

Physical Geography. ..GEO 215

IAI Physical Science Electives:

Chemistry..... CHM 141, 151

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

Physical Science PHS 102,103,105,107

Physics PHY 121, 155, 205

Additional Associate in Science Requirements:

(Courses should be applicable to desired major)

_____ PHY 206 (5) or Physical or Life Science Elective

_____ MAT 201 (5) or MAT 125 (3) or MAT Elective

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits **must total a minimum of 62 hours** for the degree. Students should select elective hours that will allow them to complete this 62 hour requirement.) **Pre-requisite courses may be required before taking these electives. Consult with the Course Catalog and your advisor.**

_____ CPS 206-(4) (spring semester course)

_____ CPS 202/MAT 125 (3) (fall semester-odd num. years) or Elect.

_____ CPS 215 (4) (fall semester in even numbers years)

_____ MAT 201 (5) or General Elective _____

_____ MAT 221(3) (spring sem.-even numbered yrs.) or Elect. _____

_____ CHM 151 (5) or General Elective _____

_____ CHM 152 (5) or General Elective _____

ARTICULATION NOTES:

Consult with the transfer institution to assess 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.

***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.

Effective Date: **Fa11 2017**