

**ENGINEERING SCIENCE-ASSOCIATE IN ENGINEERING SCIENCE
Pre-Baccalaureate Program Guide**

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.

IAI Communication: (2 courses)

_____ ENG 101 (C grade or higher)

_____ ENG 102 (C grade or higher)

IAI Mathematics (1 course)

_____ MAT 131

IAI Social and Behavioral Sciences (2 courses)

_____ ECO 201 or Social Science Elective _____

_____ ECO 202 or Social Science Elective _____

IAI Physical Science (1 course)

_____ CHM 151

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 68 hours for the degree.) 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.

_____ CPS 206 _____ MAT 201 _____ MAT 202

_____ MAT 205 _____ PHY 205 _____ PHY 206

ENGINEERING SPECIALIZATION CORE

Choose one of the following specializations:

Undecided:

_____ EGR 101 _____ PHY 201 _____ PHY 202

(IAI GECC Electives, 12 credits selected from the following)

_____ SPE 115

_____ Social Science Elective _____

_____ BIO 225 or Life Science Elective _____

_____ Fine Arts Elective _____

_____ PHL 111 or Humanities Elective _____

_____ PHL 121 or Humanities/Fine Arts Elective _____

Electrical:

_____ PHY 214

(IAI GECC Electives, 18 credits selected from the following)

_____ SPE 115 _____ Social Science Elective _____

_____ BIO 225 or Life Science Elective _____

_____ PHL 111 or Humanities/Fine Arts Elective _____

_____ PHL 121 or Humanities/Fine Arts Elective _____

**Transfer Curriculum AES 0096
Associate in Engineering Science: 68 Hours Minimum
Major Code: 1.1 140101P**

Civil:

_____ EGR 101 _____ PHY 201 _____ PHY 202

(IAI GECC Electives, 12 credits selected from the following)

_____ SPE 115 _____ Social Science Elective _____

_____ BIO 225 or Life Science Elective _____

_____ Fine Arts Elective _____

_____ PHL 111 or Humanities Elective _____

_____ PHL 121 or Humanities/Fine Arts Elective _____

Chemical:

_____ CHM 152 _____ CHM 201 _____ CHM 202

(GECC IAI Electives, 6 credits selected from the following)

_____ SPE 115 _____ Social Science Elective _____

_____ BIO 225 or Life Science Elective _____

_____ PHL 111 or Humanities/Fine Arts Elective _____

_____ PHL 121 or Humanities/Fine Arts Elective _____

Mechanical:

_____ PHY 214 _____ EGR 101 _____ PHY 201

(GECC IAI Electives, 12 credits selected from the following)

_____ SPE 115 _____ Social Science Elective _____

_____ BIO 225 or Life Science Elective _____

_____ Fine Arts Elective _____

_____ PHL 111 or Humanities Elective _____

_____ PHL 121 or Humanities/Fine Arts Elective _____

Computer:

_____ EGR 101 _____ PHY 201 _____ PHY 202

(GECC IAI Electives, 12 credits selected from the following)

_____ SPE 115 _____ Social Science Elective _____

_____ BIO 225 or Life Science Elective _____

_____ Fine Arts Elective _____

_____ PHL 111 or Humanities Elective _____

_____ PHL 121 or Humanities/Fine Arts Elective _____

IAI INFORMATION: This guide follows the guidelines established by the IAI Engineering major Panel for an Associates in Engineering Science Degree. This guide is not designed to complete the full IAI GECC component. You will need to fulfill the remaining IAI GECC courses at your transfer institution.

SIUC TRANSFER INFORMATION: Students can either choose to complete the IAI GECC courses for the degree, or substitute some of the following required courses: Civil requires PHY 203; Mechanical requires PHY 202; Civil and Mechanical require CHM 202.

SIUE TRANSFER INFORMATION: PHL 121 is required for all options. CHM 101 or CHM 151 may be taken to meet the chemistry requirement. ECO 201 is recommended.