



John A. Logan College

# Associate in Engineering Science Degree in Undecided Engineering Students

Transfer Curriculum AES 0096  
Associate in Engineering Science:  
66-68 Hrs. Min.  
Major Code: 1.1 140101  
Effective Date: Fall 2020

## GENERAL EDUCATION (IAI GECC, 27-39 CREDITS)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 27 to 39 credit hours from the following five areas: communication; mathematics; physical and life sciences; humanities; and social and behavioral sciences. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

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.

### FIRST SEMESTER (FALL)

Dept.	No.		Hrs.	Grade
MAT	131	Calculus I	5	_____
EGR	101	Engineering Graphics or Elective***	3	_____
ENG	101	English Composition I	3	_____
CHM	151	Chemical Principles	5	_____
ORI	100	College 101	<u>1</u>	_____
			17	

**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.

\*Recommended Social Science electives: ANT 111, ANT 202, ANT 216, GEO 112, SOC 215. For other IAI Social Science Electives, see below.

\*\*Recommended Humanities/Fine Arts Electives: HIS 103, HIS 104, HIS 213, LIT 284, LIT 295, PHL 200. For other IAI Humanities, see below.

\*\*\*Choose electives based on your chosen transfer institution requirements.

### SECOND SEMESTER (SPRING)

Dept.	No.		Hrs.	Grade
MAT	201	Calculus II	5	_____
PHY	205	University Physics I	5	_____
CPS	206	Computer Science I or		
CHM	152	Chemical Principles w/ Qualitative Analysis***	4-5	_____
ENG	102	English Composition II	<u>3</u>	_____
			17-18	

**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 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

### THIRD SEMESTER (FALL)

Dept.	No.		Hrs.	Grade
MAT	202	Calculus III	3	_____
PHY	206	University Physics II	5	_____
PHY	201	Statics	3	_____
ECO	201	Macroeconomics or Social Science Elective*	3	_____
		Humanities/Fine Arts Elective**	<u>3</u>	_____
			17	

#### Fall Only Courses:

EGR 101  
CHM 201  
CPS 215  
MAT 202  
PHY 201  
PHY 206

#### Spring Only Courses:

CHM 202  
CPS 206  
MAT 205  
PHY 202  
PHY 203  
PHY 214/224

### FOURTH SEMESTER (SPRING)

Dept.	No.		Hrs.	Grade
MAT	205	Differential Equations	3	_____
PHY	202	Dynamics	3	_____
ECO	202	Microeconomics or Social Science Elective*	3	_____
		IAI Life Science Elective or Elective***	3-4	_____
PHY	214	Intro to Circuit Analysis	<u>3</u>	_____
			15-16	

Please see your advisor for possible specific four-year university transfer guides.

**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. ECO 201 is recommended