JALC
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Associate in Engineering Science Degree in Computer Engineering

IAI GECC RECOMMENDATIONS (27-39 semester credits)
Since completion of the A.E.S degree does not complete the Illinois General Education Core Curriculum, students will need to complete the general education requirements of the school to which they transfer.

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.

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.

Fall Only Courses:		Spring Only Courses:	
EGR 101	CPS 215	CHM 202	PHY 203
CHM 201	PHY 201	CPS 206	PHY 205
CPS 215	PHY 206	MAT 205	PHY 214/224
		PHY 202	

Recommended Social Science electives: ANT 111, ANT 202, ANT 216, GEO 112, HIS 103, HIS 104, SOC 215. For other IAI Social Science Electives, see below.

Recommended Humanities/Fine Arts Electives: HIS 213, LIT 284, LIT 295, PHL 121, PHL 200. For other IAI Humanities, see below.

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101 **or** SCI 100 STEM Fundamentals	1	
MAT	131	Calculus I	5	
ENG	101	English Composition I	3	
CHM	151	Chemical Principles	5	
EGR	101	Engineering Graphics **or** Elective	3	
			17	

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

FIRST YEAR - SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MAT	201	Calculus II	5	
PHY	205	University Physics I	5	
CPS	206	Computer Science I	4	
ENG	102	English Composition II	3	
			17	

IAI Humanities Electives:
Foreign Language: GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260, 265

SECOND YEAR - FALL SEMESTER

Dept.	No.		Hrs.	Grade
MAT	202	Calculus III	4	
PHY	206	University Physics II	5	
CPS	215	Computer Science II	4	
ECO	201	Macroeconomics **or** Social Science Elective	3	
IAI Elective			3	
			19	

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, 223
Political Science: PSC 131, 211, 212, 289
Psychology: PSY 132, 200, 203, 262
Sociology: SOC 133, 220, 221, 250, 263, 264

IAI Life Science Electives:
Biology: BIO 100, 101, 105, 225
Interdisciplinary: SCI 101 with SCI 111, SCI 210A and SCI 210B
Life Science: SCI 215

SECOND YEAR - SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MAT	205	Differential Equations	3	
PHY	214	Intro to Circuit Analysis **or** PHY 224 Electric Circuit Analysis w/Lab	3-4	
ECO	202	Microeconomics **or** Social Science Elective	3	
IAI Life Science Elective **or** Elective			3-4	
IAI Fine Arts/Humanities Elective			3	
			15-17	

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and time lines of this document.