

ENGINEERING CONCENTRATIONS (*select one*)**Computer Graphics (34)**

CSC/CPE 123	Introduction to Computing	4
CSC/CPE 101	Fundamentals of Computer Science I	4
CSC/CPE 102	Fundamentals of Computer Science II	4
CSC/CPE 103	Fundamentals of Computer Science III	4
CSC/CPE 225	Introduction to Computer Organization	4
CSC 303	Teaching Computer Science	2
CSC 348	Discrete Structures	4
CSC/CPE 357	Systems Programming	4
CSC/CPE 471	Introduction to Computer Graphics	4

Electrical Engineering (Power) (34)

EE 111	Introduction to Electrical Engineering	1
EE 112	Electric Circuit Analysis I	2
EE 151	Introduction to Electrical Engineering Laboratory	1
EE 211	Electric Circuit Analysis II	3
EE 212	Electric Circuit Analysis III	3
EE 241	Electric Circuit Analysis Laboratory II	1
EE 242	Electric Circuit Analysis Laboratory III	1
EE 255	Energy Conversion Electromagnetics	3
EE 295	Energy Conversion Electromagnetics Laboratory	1
EE 335	Electromagnetic Fields and Transmission	4
EE 375	Electromagnetic Fields and Transmission Laboratory	1
EE 406	Power Systems Analysis I	4
EE 407	Power Systems Analysis II	4
EE 444	Power Systems Laboratory	1
	Advisor approved power technical elective	4

Industrial/ Manufacturing Engineering - System Design (34-35)

IME 101	Intro to Industrial and Manufacturing Engineering	1
IME 223	Process Improvement Fundamentals	4
IME 239	Industrial Costs and Controls	3
IME 301	Operations Research I	4
IME 303	Project Organization and Management	4
IME 314	Engineering Economics	3
IME 319/ IME 320 (IME 320 - Area F) ¹		3-4
IME 326	Engineering Test Design and Analysis	4
IME 420	Simulation	4
IME 443	Facilities Planning and Design	4

Usability Studies (34)

CSC/CPE 101	Fundamentals of Computer Science I	4
CSC/CPE 102	Fundamentals of Computer Science II	4
CSC/CPE 103	Fundamentals of Computer Science III	4
CSC/CPE 225	Introduction to Computer Organization	4
CSC 303	Teaching Computer Science	2
CSC/CPE 307	Introduction to Software Engineering	4
CSC 348	Discrete Structures	4
CSC/CPE 357	Systems Programming	4
CSC/CPE 484	User-Centered Interface Design and Development	4

Individualized Course of Study (34)

Consists of 34 units of an advisor-approved integrated course of study from courses offered in the College of Engineering designed to meet the LAES learning objectives, with at least 12 of the units at the upper division level. Courses must be drawn from at least two engineering disciplines.

LIBERAL ARTS CONCENTRATIONS (*select one*)**Interactive Communication-Cinematic Focus (24)**

TH 210	Introduction to Theatre (C3) ¹	4
ENGL 371	Film Styles and Genres (C4) ¹	4
ENGL 411	New Media Arts I	4
	Approved Electives	12
	<i>Select from the following:</i>	
	ENGL 210, 372, 412; COMS 311, 385, 419; POLS 470	

Interactive Communication-Theatrical Focus (24)

TH 210	Introduction to Theatre (C3) ¹	4
TH 227/228	Theatre History	4
ENGL 411	New Media Arts I	4
	Approved Electives	12
	<i>Select from the following:</i> ²	
	ENGL 210, 412; ISLA 320; TH 220, 230, 330, 360, 390, 430, 434	

Publishing Technology (24)

GRC 101	Intro to Graphic Communication	3
GRC 201	Digital Publishing System	3
GRC 211	Substrates, Inks and Toners	4
ISLA 303/ PHIL 341/ PHIL 337 (C4) ¹		4
	Approved Electives	10
	<i>Select from the following:</i>	
	COMS 317; GRC 316, 328, 329, 402	

Technical Communication (24)

COMS 317	Technology and Human Communication	4
ENGL 317	Technical Editing	4
ENGL 319	Information Design and Production	4
	Approved Electives	12
	<i>Select from the following:</i>	
	COMS 213, 301; ENGL 210, 310, 418; ISLA 303; PHIL 337/341;	

Individualized Course of Study (24)

Consists of 24 units of an advisor-approved integrated course of study from courses offered in the College of Liberal Arts designed to meet the LAES learning objectives, with at least half of the units at the upper division level. Students may complete a minor program selected from pre-approved minors. These minors include any minor offered by the College of Liberal Arts, as well as interdisciplinary, cross-college minors in which students complete a minimum of half of the units in the College of Liberal Arts (e.g., Indigenous Studies in Natural Resources & the Environment; Sustainable Environments).

¹ Required in Major; also satisfies GE

² No more than one lower division course