Reset Form

BA: Liberal Arts and Engineering Studies (LAES)
2015-2017 CONCENTRATION and STUDY ABROAD DECLARATION

Consult the 20151 17 Catalog for degree requirements. Use BLACK INK ONLY.

Print Form

☐ **Revision**

Student Name: _____ **ID#**: _____ **Date**: _____

Career Objective: _____ **Expected Grad Term**: _____

Important Note: This form must be submitted at the time of entry into the LAES Program. Before submission, an LAES Director must approve all courses. A revision should be submitted (if necessary) FOUR QUARTERS PRIOR to graduation along with the Application for Graduation. Failure to meet this requirement may delay degree issuance.

Form Instructions: Mark an X to select ONE Engineering Concentration OR list ICS courses. Mark an X to select ONE Liberal Arts Concentration OR list ICS courses. List Study Abroad/Global Perspectives courses. List electives and/or substitutions as necessary. Mark the REVISION box if this replaces a previous submission. Sign and date, meet with an LAES Director to obtain approval signature, then return completed form to the LAES Program Office in Bldg. 47, Room 34G.

ENGINEERING CONCENTRATION – 34 units
(8 units must be at the 300-400 level)

☐ IME (SYSTEM DESIGN)–34-35 UNITS

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

List Substitutions Here:

Above #	Substitute	Above #	Substitute

☐ ELECTRICAL ENGINEERING (POWER)–34 UNITS

EE 111/151	Intro to Electrical Engineering/Lab	1/1
EE 112	Electric Circuit Analysis I	2
EE 211/241	Electric Circuit Analysis II/Lab	3/1
EE 212/242	Electric Circuit Analysis III/Lab	3/1
EE 255/295	Energy Conversion Electromagnetic/Lab	3/1
EE 335/375	Electromagnetic Fields & Trans/Lab	4/1
EE 406	Power Systems Analysis I	4
EE 407/444	Power Systems Analysis II/Lab	4/1
Advisor Approved Power Technical Elective		4

List Elective Course # Here: _____

List Substitutions Here:

Above #	Substitute	Above #	Substitute

☐ COMPUTER GRAPHICS–34 UNITS

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 123	Introduction to Computing	4
CSC/CPE 225	Intro 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

List Substitutions Here:

Above #	Substitute	Above #	Substitute

☐ USABILITY STUDIES–34 UNITS

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	Intro to Computer Organization	4
CSC 303	Teaching Computer Science	2
CSC/CPE 307	Intro to Software Engineering	4
CSC 348	Discrete Structures	4
CSC/CPE 357	Systems Programming	4
CSC/CPE 484	User-Centered Interface Design/Dev	4

List Substitutions Here:

Above #	Substitute	Above #	Substitute

LIBERAL ARTS CONCENTRATION – 24 units
(12 units must be at the 300-400 level)

☐ INTERACTIVE COMMMUNICATION (CINEMATIC FOCUS)–24 UNITS

ENGL 371	Film Styles and Genres (C4)[1]	4
ENGL 411	New Media Arts I	4
TH 210	Introduction to Theatre (C3)[1]	4

Approved Electives—select from the following: 12
COMS 311, COMS 385, COMS 419, ENGL 210, ENGL 372, ENGL 412, POLS 470

List Substitutions Here:

Above #	Substitute	Above #	Substitute

☐ INTERACTIVE COMMUNICATION (THEATRICAL FOCUS)–24 UNITS

ENGL 411	New Media Arts I	4
TH 210	Introduction to Theatre (C3)[1]	4
TH 227	Theatre History I	4
OR TH 228	Theatre History II	

Approved Electives—select from the following:[2] 12
ENGL 210, ENGL 412, ISLA 320, TH 220,TH 230, TH 330,TH 360, TH 390, TH 430, TH 434

List Substitutions Here:

Above #	Substitute	Above #	Substitute

☐ PUBLISHING TECHNOLOGY–24 UNITS

GRC 101	Intro to Graphic Communication	3
GRC 201	Digital Publishing Systems	3
GRC 211	Substrates, Inks and Toners	4
ISLA 303	Values and Technology (C4)[1]	4
OR PHIL 341	Professional Ethics	
OR PHIL 337	Business Ethics	

Approved Electives—select from the following: 10
COMS 317, GRC 316, GRC 328, GRC 329, GRC 402

List Substitutions Here:

Above #	Substitute	Above #	Substitute

☐ TECHNICAL COMMUNICATION–24 UNITS

COMS 317	Technology, Human Communication	4
ENGL 317	Technical Editing	4
ENGL 319	Information Design and Production	4

Approved Electives—select from the following: 12
COMS 213, COMS 301, ENGL 210, ENGL 310, ENGL 418, ISLA 303, PHIL 337 OR PHIL 341

List Substitutions Here:

Above #	Substitute	Above #	Substitute

[1] *Required in Major; also satisfies GE*

[2] *No more than one lower division course*

INDIVIDUALIZED COURSE OF STUDY
(Mark an X to select an ICS INSTEAD of a concentration)

☐ *ENGINEERING ICS–34 UNITS*

Note: If a pre-defined Concentration does NOT meet your career objective, list 34 units (12 at the 3001 400 level). Courses must be from at least two engineering disciplines.

Course #	Course Title	Units

☐ *LIBERAL ARTS ICS–24 UNITS*

Note: If a pre-defined Concentration does NOT meet your career objective, list 24 units (12 at the 3001 400 level). You may complete a pre-approved liberal arts, interdisciplinary or cross-college minor, with half of the units from the CLA.

Course #	Course Title	Units

STUDY ABROAD OR GLOBAL PERSPECTIVES OR INTERNSHIP—8 UNITS

Note: LAES requires a combined 8 units of 300-400 level Study Abroad, Global Perspectives, or Internship (LAES 430). If upper division GE courses are used in this section, additional upper division units may be needed to meet university requirements.

Course #	Course Title	Units

SIGNATURE APPROVALS

_____
Student Signature Date

_____
Approved By (Print Name)

_____
Approver Signature Date