

Department of Civil and Environmental Engineering Environmental Engineering Program

Possible 4 Year Course Plan

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING
Math / Science Requirements											
CALCULUS I MTH 251		LIN ALG MTH 261	CALC IV MTH 254	DIF EQ I MTH 256					STAT 451CM		
CHEM CH 221	CHEM CH 222		PHYSICS PH 221			PH 222	PH 223				
CH 227	CH 228		PH 214	PH 215	PH 216				GEOL ENGR G 301		
Engineering / Computer Science Requirements											
ENGR PROB SOLV EAS 101	ELEM MICRO BIOL BI 234 BI 235	ENGR GRAPH EAS 115	STATICS EAS 211	STREN OF MAT EAS 212	DYNAM- ICS EAS 215	FLUID MECH EAS EAS 361	HYDR- AULICS CE CE 362	WATER RES ENGR CE 364	CHEM ENVIR TOXICS CE 480	A	W/WW TRT CE 474
						ENV SYS I ESR 320	ENV SYS II ESR 321	ENV RISK ESR 322	A	A	A
						ESR 323 LAB	ESR 324 LAB	ESR 325 LAB	A	CE DSG I CE 484	CE DSG II CE 494
						ENGR THERM ME 321 CE 315	ENV ENGR CE 371				
General Education Requirements											
FRESHMAN INQUIRY			SOPHOMORE INQUIRY						PRIV PUBLIC INVEST EC 314U	UNST UPPER DIVISION CLUSTER	UNST UPPER DIVISION CLUSTER
UNST 1XX	UNST 1XX	UNST 1XX	UNST 2XX	UNST 2XX	UNST 2XX						

EXPLANATION

CREDIT HOURS

2009-2010

- 1 A - APPROVED CEE ELECTIVE
- 2
- 3 CE - 481 & 494 FULFILL UNST CAPSTONE
- 4

TRANSFER STUDENTS MAY SUBSTITUTE
PHYSICS 211-213 FOR PHYSICS 221-223

Refer to PSU Bulletin for General Education
Requirement



General Education Requirements Undergraduate Engineering Programs

There are **two** (2) separate sets of general education requirements:

1. University Requirements
2. Maseeh College of Engineering and Computer Science (MCECS) Requirements

You must satisfy **BOTH** sets of requirements.

University Requirements

- A. Freshmen entering with 29 or fewer prior university/college credits must complete all University Studies Requirements, including freshman and sophomore inquiry sequences and upper division cluster courses.
- B. Continuing and transfer students with 30-89 prior university/college credits must complete the following program:
 - Sophomore Inquiry: 30-59 credits, three courses; 60-74 credits, two courses; 75-89 credits, one course. The upper division cluster must be linked with one of these Sophomore Inquiry courses.
- C. Continuing and transfer students with 90 or more prior university/college credits must complete the following program:
 - University Studies requirements beginning with Upper Division Cluster courses. It is strongly recommended that students also take the single Sophomore Inquiry course that is linked to the chosen Upper Division Cluster.

PLACEMENT FOR TRANSFER STUDENTS

CREDITS TRANSFERRED	UNIVERSITY STUDIES PLACEMENT
0-29 Credits	Freshman Inquiry
30-44 Credits	3 Sophomore Inquiries
45-59 Credits	3 Sophomore Inquiries
60-74 Credits	2 Sophomore Inquiries
75-85 Credits	1 Sophomore Inquiries
90 or more credits	Upper Division Cluster + Senior Capstone

Maseeh College of Engineering and Computer Science General Education Requirements

- a) Freshmen admitted beginning with the 1994-95 academic year satisfy the PSU general education requirement with the University Studies Program.
- b) Transfer students must have a minimum of 39 credits of University Studies courses and/or Arts and Letters/Social Science courses at their previous college or at PSU prior to graduation. 12 of these credits are upper division cluster courses that must be taken at PSU.
- c) Transfer students who have not taken Freshman Inquiry must have completed COMM 100 (or equivalent) and WR 121 as part of the 39 credits of Arts and Letters/Social Sciences.
- d) All engineering students must complete EC 314U Public and Private Investment Analysis. Students may use EC 314U as a University Studies course in the Community Studies Cluster, the Knowledge, Rationality, and Understanding Cluster, or The Professions and Power Cluster.

Students should consult with their academic advisor or department chair regarding these requirements.

Updated: 07/2009