

COMPUTER ENGINEERING beginning with Math 1155--intensive precalculus

Freshman Year

Fall Semester		Spring Semester	
	crs		crs
Math 1155 Intensive precalc	5	Math 1271 Calculus I	4
Lib Ed*	3 or 4	Phys 1301W [Math 1371 or 1271 or &1371 or &1271]	4
Lib Ed*	3 or 4	UD CSci 1901 Structure of Comp Prog I *** (&Math 1271 or 1371)	4
Lib Ed*	3 or 4	EE 1001 Intro to EE and CompE optional Spring only	1
		Lib Ed	3 or 4

*You should try to take English Composition in the freshman year.

Sophomore Year

Fall Semester		Spring Semester	
	crs		crs
CSci 1902 Structures II [CSci 1901]	4	UD EE 2001 Elec Cir [&Math 2373 or &2243, Phys 1302]	3
Math 1372 Calculus II [1371 or 1271]	4	EE 2002 Cir & Elec Lab [EE 2001 or &2001]	1
UD Phys 1302W [1301, & Math 1372 or &1272]	4	EE 2301 Intro Digital Des [Math 1272, &EE 301]	4
Lib Ed	3 or 4	UD Math 2373 or 2243 Lin alg/diff eqs [Math 1272 or 1372]	4
		Lib Ed	3 or 4

*** EE 1301 is acceptable.

For engineering degrees, all lib eds must fill both a core requirement and a theme requirement. There is no room in the four-year plan for more than six lib ed courses.

You need 126 semester credits to earn your degree.

Course prerequisites are indicated under the course number.

**Math 2373 and 2243 are Linear Algebra and Differential Equations.
Math 2374 and 2263 are Multivariable Calculus and Vector Analysis.**

UD You must have at least a 2.30 technical GPA for admission to upper division Computer Engineering. This GPA includes all calculus, physics, chemistry, computer science, and engineering courses. In addition, courses with UD need to be completed before you apply, unless you have at least a 2.60 tech GPA and the courses in progress. You must have all the courses with the UD, and one of EE 2011, 2301, and CSci 1902.

(For students admitted to the University prior to Fall 2002, the 2.50 GPA includes all courses taken at the U.

Junior Year

Fall Semester		Spring Semester	
	crs		crs
CSci 2011 Disc. Structures [Math 1272 or 1372]	4	EE 3015 Signals and Systems [EE 2011]	3
EE 2011 Lin Sys & Cir [EE 2001]	3	EE 3101 Circ & Electr Lab I [EE 3115 or &3115, 2002]	2
EE 2361 Intro to Microcontrollers [CSci 1113 or 1901, EE 2301, &EE 361]	4	EE 3115 Anal & Dig Elect [EE 3015 or &3015]	4
Math 2374 or 2263 Multivariable calc [Math 1272 or 1372]	4	EE 4363 Computer Arch [EE 2361; no cr if CSci 4203, 5361 or 5201 taken]	4

Senior Year

Fall Semester		Spring Semester	
	crs		crs
CSci 4041 Algs & Data Str. [CSci 1902 and 2011 or #]	4	EE 4951W Senior Design Proj (WI) [EE 3015, 3601, 3115]	4
CSci 4061 Intro Oper Sys [CSci 2021]	4	Senior Tech Electives	10
EE 3025 Statistical Methods [EE 3015]	3	Lib Ed	3 or 4
EE 3102 Circ & Electr Lab II [EE 3101]	2		

5th Year

Fall Semester	crs	Spring Semester	crs
Senior Tech Electives	14		

Courses with a double-lined border are Writing Intensive (WI) courses and count toward your writing intensive requirement. You are required to complete four writing intensive courses, two of which must be at the 3xxx-level or higher and one of which must be in your major department. EE 1701 - Energy, Environment and Society - is WI, and fills the environmental and citizenship and public ethics themes. Additional EE courses satisfying this requirement are EE 1701W, EE 4928V, and EE 5657W. CSci courses satisfying this requirement are CSci 4970W and 5512W.