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Pre-Engineering

Program Advisor: Dr. Helen Turner

The two-year Pre-Engineering program prepares students for transfer to a college of engineering as third-year students in computer or electrical engineering. Two years of calculus, chemistry, physics, computer science, and general education requirements will prepare students to transfer all or most accumulated units to the University of Dayton engineering program or to another university's engineering program – a GPA of 3.0 will typically be required for transfer. Optionally students can stay at Chaminade to declare a major in Computer Science.

Students completing this program will be able to demonstrate mastery of mathematics, science, computers, and electronics at a level comparable to students entering their third year at a college of engineering. No degree is awarded in the Pre-Engineering program.

The following curricula have been pre-approved for transfer by the University of Dayton and are typical.

Electrical Engineering

First Semester

CUH 100	1
PH 100 (Gen. Ed.)	3
CH 203	5
MA 210	4
EN 101	3
TOTAL	16

Second Semester

COM 101	3
REL 103 (Gen. Ed.)	3
CS 150	3
MA 211	4
EN 102	3
TOTAL	16

Third Semester

HI 151/152 (Gen. Ed.)	3
PHY 251 & Lab	5
MA 311	4
CS 310	3
CS 350 (Tech. Elective)	3
TOTAL	18

Fourth Semester

Gen. Ed. (Required)	3
Gen. Ed. (Elective)	3
CS 201 Ckt Design & Lab	5
MA 313	3
MA 308 (Tech. Elective)	3
TOTAL	17

Computer Engineering

First Semester

CUH 100	1
PH 100 (Gen. Ed.)	3
CH 203	5
MA 210	4
EN 101	3
TOTAL	16

Second Semester

COM 101	3
REL 103 (Gen. Ed.)	3
CS 150	3
MA 211	4
EN 102	3
TOTAL	16

Third Semester

HI 151/152 (Gen. Ed.)	3
PHY 251 & Lab	5
MA 311	4
CS 310	3
CS 350 (Tech. Elective)	3
TOTAL	18

Fourth Semester

Gen. Ed. ((Req'd)/Tech.El)	3
Gen. Ed. (Elective)	3
CS 201 Ckt Design & Lab	5
MA 313	3
MA 308 (Tech. Elective)	3
TOTAL	17