

Pre-Engineering

Engineering & Information Technologies

2025-2026 Curriculum

Course	Title	Lec	Lab	Credit Hours
Semester 1				
ENG-101	English Composition 1	3	0	3
ENGR-111	Introduction to Engineering 1	2	2	3
FYE-1XX	First Year Experience	1	0	1
XXX-XXX	Technical Elective 1	2	3	3
XXX-XXX	Calculus Prerequisite Elective	4	0	4
				14

Semester 2				
ENG-10X	English Composition Elective	3	0	3
MAT-251	Calculus 1	5	0	5
PHY-201	Physics 1: Calculus-Based	4	2	5
XXX-XXX	Technical Elective 2	3	2	4
				17

Semester 3				
COMM-110	Public Speaking	3	0	3
MAT-252	Calculus 2	5	0	5
XXX-XXX	Arts/Humanities Elective 1	3	0	3
XXX-XXX	Social Science Elective 1	3	0	3
				14

Semester 4				
CHE-121	General Chemistry 1	4	0	4
CHE-131	General Chemistry 1 Lab	0	3	1
XXX-XXX	Arts/Humanities Elective 2	3	0	3
XXX-XXX	Social Science Elective 2	3	0	3
				11

Semester 5				
ENGR-112	Introduction to Engineering 2	2	2	3
XXX-XXX	Technical Elective 3	2	3	3
				6
Total				62

Arts/Humanities Elective: Any Transfer Module ART, LIT, MUS, PHI, REL, THE

Calculus Prerequisite Elective: MAT 126, MAT 152, MAT 153

English Composition Elective: ENG 102, ENG 103, ENG 104, ENG 105

First Year Experience Elective: FYE 100, FYE 105, FYE 110

History Elective: Any Transfer Module course from HST

Social Sciences Elective: Any Transfer Module ECO, GEO, LBR, POL, PSY, SOC

Technical Elective: CHE 122 & CHE 132; CHE 201 & CHE 211; CHE 202 & CHE 212;

EET 121; EET 131; EET 132; ENGR 200; ENGR 220; EVS 110; EVS 120; EVT 105; EVT 140;

EVT 150; EVT 170; MAT 253; MET 111; MET 131; MET 140; PHY 202; SUR 105;

CET 291; EET 291; EMET 291; MET 291

Transfer Module Math/Science Elective: MAT 253; CHE 122 & CHE 132; CHE 201 & CHE 211;

CHE 202 & CHE 212; PHY 202

*Program chair consent required for Technical Electives. Not all courses are offered every semester.

Since Technical Electives vary by transfer school and discipline, students must meet with a Pre-Engineering advisor before registering for courses.

*Only one full-time co-op course is permitted. Co-op credits may not transfer to bachelor's degree programs.