

Engineering Technology Civil Track

Fall 2021 Suggested Schedule
Total Credit Hours

120



Freshman – 1 st Semester		14
WSUE102A	First Year Seminar in Tech and Innovation (<i>S&BS + FYS</i>)	3
COMM111	Public Speaking	3
MATH242	Calculus I P: MATH123	5
ENGL101	College English I	3

Freshman – 2 nd Semester		14
General Education - FA		3
GEOL300	GEOL300 Energy, Resources and Environment	3
MATH243	Calculus II P: MATH242	5
ENGL102	College English II P:ENGL101	3

Sophomore – 1 st Semester		15
ENGT201	Introductory Design Project P: WSUE102A, ENGR302 or ID300	1
ECON201	Principles of Macro Econ (<i>S&BS</i>) or IME255	3
PHYS313	Physics for Scientists I P/C:MATH243 with 'C' or better	4
PHYS315	University Physics Lab I P: MATH242 P/C: PHYS313	1
	Technical Elective - Recommended Survey I	3
	Technical Elective	3

Sophomore – 2 nd Semester		14
CHEM211/L	General Chemistry I	5
BIOL370	Introduction to Environmental Science	3
	Technical Elective - Recommended Survey II P: Survey I	3
	Technical Elective	3

Junior – 1 st Semester		15
IME222/L	Engineering Graphics (with lab) P: MATH123	3
ENGT301	Intermediate Design Project P: ENGT201 or ENGR205	2
ENGT370	Environmental Engineering Tech (<i>fall only</i>) P: CHEM211	3
ME250	Materials Engineering P: CHEM211 & MATH242	3
ME251	Materials Engineering Lab P/C: ME250	1
	Technical Elective	3

Junior – 2 nd Semester		18
CS211/L	Introduction to Programing P: MATH111	4
ENGT312	Applied Statics (<i>fall only</i>) P/C: MATH243	3
ENGT354	Statistical Process Control P/C: MATH243	3
ENGT320/L	Circuits Technology (<i>spr only</i>) P: MATH 242 with "C-"	4
IME258	Manufacturing Methods P: MATH123 & IME222	3
IME258L	Manuf Methods/Materials Lab C: IME258	1

Senior – 1 st Semester		15
ENGT401	Senior Design Project I P: ENGT301 (<i>fall only</i>)	3
ENGT334	Intro to Strength/Mech of Mats (<i>fall only</i>) P:ENGT312 & MATH243	3
ENGT323	Introduction to Fluids (<i>fall only</i>) P: ENGT312 & MATH243	3
ENGT492	Energy Mgmt & Sustainability (<i>fall only</i>) P: ENGT 370 P/C: ECON210	3
ENGT600	Water and Wastewater Treatment (<i>fall only</i>) P: ENGT323 & ENGT370	3

Senior – 2 nd Semester		15
ENGT402	Senior Design Project II P: ENGT401 (<i>Spring only</i>)	3
EE577L	Renewable Energy Engineering (<i>spr only</i>) P: ENGT 320 or EE 282	3
PHIL385	Engineering Ethics P: Junior/senior standing	3
ENGT610	Hydraulics and Hydrology (<i>spr only</i>) P: ENGT 323, or dept consent	3
ENGT620	Structural Analysis & Design (<i>spr only</i>) P: ENGT 334 or dept consent	3

NOTES:

All first-time-in-college students must take WSUE 102A within their first two semesters.
Transfer students need take ENGR205 plus 1 extra TE credit hour, to replace WSUE102A and AC201
Students must fulfill the Engineer 2020 requirements.
All engineering prerequisites need to be completed with C- or higher

Sustainability Certificates

Fall 2021 Suggested Schedule

Certificate in Sustainable Energy Technology		15	Certificate in Sustainable Water Technology		15
ENGT370	Environmental Engineering Tech <i>(fall only)</i> P: CHEM211	3	ENGT323	Introduction to Fluids <i>(fall only)</i> P: ENGT312 & MATH243	3
ENGT492	Energy Mgmt & Sustainability <i>(fall only)</i> P: ENGT 370 P/C: ECON210	3	ENGT370	Environmental Engineering Tech <i>(fall only)</i> P: CHEM211	3
EE577L	Renewable Energy Engineering <i>(spr only)</i> P: ENGT 320 or EE 282	3	ENGT600	Water and Wastewater Treatment <i>(fall only)</i> P: ENGT323 & ENGT370	3
GEOL300	Energy, Resources and Environ	3	ENGT610	Hydraulics and Hydrology <i>(spr only)</i> P: ENGT 323, or dept consent	3
BIOL370	Intro. Environmental Science	3	BIOL370	Intro. Environmental Science	3