

# Engineering Technology Civil Track

Fall 2022 Suggested Schedule

Total Credit Hours

120



Freshman – 1 <sup>st</sup> Semester			14	Freshman – 2 <sup>nd</sup> Semester			14
FYET102A	FYS: Intro to Tech & Innov (S&BS + FYS)	3			General Education - FA	3	
COMM111	Public Speaking	3		GEOL300	GEOL300 Energy, Resources and Environment	3	
MATH242	Calculus I P: MATH123	5		MATH243	Calculus II P: MATH242	5	
ENGL101	College English I	3		ENGL102	College English II P:ENGL101	3	

Sophomore – 1 <sup>st</sup> Semester			12	Sophomore – 2 <sup>nd</sup> Semester			17
ENGT201	Introductory Design Project P: WSUE102A, ENGR302 or ID300	1		ENGT312	Applied Statics (spr only) P/C: MATH243	3	
ECON201	Principles of Macro Econ (S&BS) or IME255	3		CHEM211/L	General Chemistry I	5	
PHYS313	Physics for Scientists I P/C:MATH243 with 'C' or better	4		BIOL370	Introduction to Environmental Science	3	
PHYS315	University Physics Lab I P: MATH242 P/C: PHYS313	1			Technical Elective	3	
	Technical Elective	3			Technical Elective	3	

Junior – 1 <sup>st</sup> Semester			15	Junior – 2 <sup>nd</sup> Semester			18
ENGT301	Intermediate Design Project P: ENGT201 or ENGR205	2		ENGT354	Statistical Process Control P/C: MATH243	3	
ENGT323	Introduction to Fluids (fall only) P: ENGT312 & MATH243	3		ENGT320/L	Circuits Technology (spr only) P: MATH 242 with "C"	4	
ENGT370	Environmental Engineering Tech (fall only) P: CHEM211	3		CS211/L	Introduction to Programing P: MATH111	4	
IME222/L	Engineering Graphics (with lab) P: MATH123	3		IME258	Manufacturing Methods P: MATH123 & IME222	3	
ME250	Materials Engineering P: CHEM211 & MATH242	3		IME258L	Manuf Methods/Materials Lab C: IME258	1	
ME251	Materials Engineering Lab P/C: ME250	1			Technical Elective	3	

Senior – 1 <sup>st</sup> Semester			15	Senior – 2 <sup>nd</sup> Semester			15
ENGT401	Senior Design Project I P: ENGT301 (fall only)	3		ENGT402	Senior Design Project II P: ENGT401 (Spring only)	3	
ENGT334	Intro to Strength/Mech of Mats (fall only) P:ENGT312 & MATH243	3		ENGT610	Hydraulics and Hydrology (spr only) P: ENGT 323, or dept consent	3	
ENGT492	Energy Mgmt & Sustainability (fall only) P: ENGT 370 P/C: ECON201	3		ENGT620	Structural Analysis & Design (spr only) P: ENGT 334 or dept consent	3	
ENGT600	Water and Wastewater Treatment (fall only) P: ENGT323 & ENGT370	3		ECE596	Renewable Energy Engineering (spr only) P: ENGT 320 or EE 282	3	
	Technical Elective	3		PHIL385	Engineering Ethics P: Junior/senior standing	3	

**NOTES:**

All first-time-in-college students must take FYET 102A within their first two semesters.  
 Transfer students can take ENGR205 to replace FYET102A and ENGT201. Extra credit hours may be required  
 Students must fulfill the Engineer 2020 requirements.  
 All engineering prerequisites need to be completed with C or higher  
 Find out more:



**Sustainability Certificates**

### Fall 2022 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

**NOTES:**

*Certificates require that a grade point average of at least 2.0 must be maintained for all courses in the certificate and no class has a grade below C*