

Engineering Technology Mechatronics Track

Fall 2022 Suggested Schedule

Total Credit Hours

120



Freshman – 1 st Semester		17
FYET102A	FYS: Intro to Tech & Innov (S&BS + FYS)	3
COMM111	Public Speaking	3
MATH242	Calculus I P: MATH123	5
ENGL101	College English I	3
General Education - FA		3

Freshman – 2 nd Semester		15
PHIL125	Intro to Logic (H)	3
MATH243	Calculus II P: MATH242	5
ENGL102	College English II P: ENGL101	3
CS194/L	Intro Digital Design (with lab) P: MATH111	4

Sophomore – 1 st Semester		13
ENGT201	Intro Design Project P: WSUE102A, ENGR302 or ID300	1
AC121	Cybersecurity Awareness	3
CS211	Introduction to Programing P: MATH111	4
PHYS313	Physics for Scientists I P/C: MATH243 with C	4
PHYS315	Univ. Physics Lab I P: MATH242 P/C: PHYS313	1

Sophomore – 2 nd Semester		15
ENGT312	Applied Statics (spronly) P/C: MATH243	3
ENGT320	Circuits Technology (spr only) P: MATH 242 with C-	4
PHYS314	Physics for Scientists II P/C: PHYS313, MATH243	4
PHYS316	University Physics Lab II P/C: PHYS314	1
IME222/L	Engineering Graphics (with lab) P: MATH123	3

Junior – 1 st Semester		16
ENGT301	Intermediate Design Project P: ENGT201 or ENGR205	2
ENGT313	Applied Dynamics (fall only) P: ENGT312	1
ENGT334	Intro Stren/Mech of Mats (fall) P: MATH243 C: ENGT312	3
ENGT361	Indus Controls & Instr (fall) P: ENGT320, MATH243	4
ECON201	Principles of Macro Econ (S&BS) or IME255	3
PHIL385	Engineering Ethics P: Junior/senior standing	3

Junior – 2 nd Semester		16
ENGT348	Machine Elements (spr only) P: ENGT 334	3
ENGT354	Statistical Process Control (spr only) P/C: MATH243	3
IME258	Manufacturing Methods P: MATH123, IME222	3
IME258L	Manuf Methods/Materials Lab C: IME258	1
Technical Elective		3
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Senior – 1 st Semester		13
ENGT 401	Senior Design Project I P: ENGT301 (fall only)	3
ENGT323	Intro to Fluids (fall only) P: MATH243 C: ENGT312	3
ENGT497/L	Elec Mach/Elect Cir (fall only) P: ENGT320 C: ENGT497L	4
Technical Elective		3

Senior – 2 nd Semester		15
ENGT 402	Senior Design Project II P: ENGT401 (Spring only)	3
ENGT410	Robotics Technology P: ENGT 361 (Spring only)	3
ENGT411	Micro-based Mech Sys P: ENGT361 (Sprg only)	3
Technical Elective		3
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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:

