

Engineering Technology Mechatronics Track

Fall 2020 Schedule

Freshman – 1 st Semester		17
WSUE102A	First Year Seminar in Tech and Innovation (<i>S&BS + FYS</i>)	3
COM111	Public Speaking	3
MATH242	Calculus I P: MATH123	5
ENGL101	College English I	3
	General Education - FA	3

Sophomore – 1 st Semester		12
ECON201	Principles of Macro Econ (<i>S&BS</i>) or IME255	3
PHYS313	Physics for Scientists I P/C: MATH243 with C	4
PHYS315	Univ. Physics Lab I P: MATH242 P/C: PHYS313	1
ENGT201	Intro Design Project P: WSUE102A, ENGR302 or ID300	1
ENGT121	Cybersecurity Awareness	3

Freshman – 2 nd Semester		15
PHIL125	Intro to Logic (<i>H</i>)	3
MATH243	Calculus II P: MATH242	5
ENG102	College English II P: ENGL101	3
CS194/L	Intro Digital Design (with lab) P: MATH111	4

Sophomore – 2 nd Semester		15
PHYS314	Physics for Scientists II P/C: PHYS313, MATH243	4
PHYS316	University Physics Lab II P/C: PHYS314	1
ENGT312	Applied Statics (<i>spr & su only</i>) P/C: MATH243	3
ENGT320	Circuits Technology (<i>spr only</i>) P: MATH 242 with C-	4
	Technical Elective	3

Junior – 1 st Semester		15
IME222/L	Engineering Graphics (with lab) P: MATH123	3
PHIL385	Engineering Ethics P: Junior/senior standing	3
ENGT313	Applied Dynamics (<i>fall only</i>) P: ENGT312	1
ENGT323	Intro to Fluids (<i>fall only</i>) P: MATH243 C: ENGT312	3
ENGT334	Intro Stren/Mech of Mats (<i>fall</i>) P: MATH243 C: ENGT312	3
ENGT301	Intermediate Design Project P: ENGT201	2

Senior – 1 st Semester		14
ENGT 401	Senior Design Project I P: ENGT301 or dept consent	3
ENGT497/L	Elec Mach/Elect Cir (<i>fall only</i>) P: ENGT320 C: ENGT497L	4
ENGT361	Indus Controls & Instr (<i>fall</i>) P: ENGT320, MATH243	4
	Technical Elective	3

Junior – 2 nd Semester		17
CS211	Introduction to Programing P: MATH111	4
IME258	Manufacturing Methods P: MATH123, IME222	3
IME258L	Manuf Methods/Materials Lab C: IME258	1
ENGT354	Statistical Process Control (<i>spr only</i>) P/C: MATH243	3
ENGT348	Machine Elements (<i>spr only</i>) P: ENGT 334	3
	Technical Elective	3

Senior – 2 nd Semester		15
ENGT 402	Senior Design Project II P: ENGT401	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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All engineering prerequisites need to be completed with C- or higher