

2018-19 Electro-Mechanical Technology

Year One Electro-Mechanical Certificate			Year Two Electro-Mechanical AAS Degree		
Fall Quarter	Winter Quarter	Spring Quarter	Fall Quarter	Winter Quarter	Spring Quarter
DC Circuits EET 111 – 5 cr.	AC Circuits EET 112 – 5 cr.	AC Power EET 113 – 5 cr.	Semiconductor Devices/Circuits EET 221 – 5 cr.	Op Amp Circuits EET 222 – 5 cr.	EET 242 Microcontroller Systems – 5 cr.
Industrial Mechanics MEC 123 – 5 cr. (NEW)	Hydraulics MEC 120 – 5 cr.	Motor Controls EET 141 – 5 cr.	Digital Logic/PLCs EET 251 – 5 cr.	Digital Electronics 2: Programmable Logic Devices – 5 cr.	EET 273 Electronic Control Systems – 3 cr.
Industrial Safety/OSHA 10 (w/Safe Access & Rescue) SAF 188 – 2 cr.	RET 101 Intro to Wind Turbine Operations – 2 cr.	Physical Education Elective – 1 cr.	RET 223 Power Generation – 5 cr. (moved from spring)	EET 219 Programmable Logic Controllers – 3 cr.	UAS 101 Introduction to Unmanned Aircraft Systems – 4 cr.
MTH 95 Intermediate Algebra 4 cr.	Job Finding Skills CG 209 – 1 cr.	PSY 101 Psychology & Human Relations 4 cr.	Gen Ed.: Arts & Humanities 4 cr.	Gen Ed: CS, Math Science 4 cr.	Gen Ed: Social Science 4 cr.
	WR 121 English Composition – 4 cr.				
16	17	15	19	17	16

REMOVED RET 102, MEC 121 AND 122

Program prerequisites:

- Completion of MTH 65 (Intermediate Algebra) with a “B” or better or scoring into MTH 95 on college placement test.
- Completion of WR 115 (Intro to Expository Writing) with a “C” or better or scoring into WR 121 (college-level writing) on college placement test.
- Completion of RD 115 (College Reading) with a “C” or better or scoring out of WR 115 on college placement test