ADVANCED MECHATRONICS ENGINEERING TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

IMPORTANT: Students can replace up to 15 credits from technical courses numbered 196 and above, except AMET 251 Industry Certifications with qualified technical classes taken elsewhere. Program-approved Equivalent Technical Credits may also be accepted. **Only** Idaho SkillStack® **badges may qualify for Equivalent Technical Credits.** (Qualified technical classes and earned badges are subject to program approval.)

Explore More About This Program: https://cwi.edu/program/advanced-mechatronics-engineering-technology

Degree Plan: Fall Or Spring Start

The course sequence listed below is strongly recommended in order to complete your program requirements. Many Career and Technical Education (CTE) courses have prerequisites and/ or corequisites that have been accounted for within this course sequence plan. Please register for your major requirements each semester as shown below using the Student Planning tool in myCWI. Consult your advisor for any questions regarding this plan.

NOTE: The required general education courses may be completed during any semester the student prefers, including summer semesters.

First Year

Fall		Credit Hours
AMET 121	DC Circuits and Application	5
AMET 131	AC Circuits and Application	5
AMET 136	Industrial Tools and Fabrication	3
GEM 3 - Mathematical Ways of Knowing course		3
	Total Semester Credit Hours	**16**

Spring		
AMET 141	Analog Circuits and Application	5
AMET 151	Digital Circuits and Application	4
AMET 196	Fundamentals of Microcontrollers	3
GEM 1 - Written Communication course		3
GE Elective course		3
	Total Semester Credit Hours	**18**

Second Year

Fall		
AMET 201	Programmable Logic Controllers	5
AMET 221	Industrial Automated Controls and Instrumentation	4
AMET 236	Fluid Power Systems	2
AMET 241	Industrial Communications	4
	Total Semester Credit Hours	**15**

Spring		
AMET 231	Industrial Robotics	5
AMET 251	Industry Certifications	2
AMET 290	Applied Mechatronics	5
GEM 2 - Oral Communication course		3
GEM 6 - Social & Behavioral Ways of Knowing course		3
	Total Semester Credit Hours	**18**
	Minimum Credit Hours Required	**67**