

Energy Management and Controls Technology
Associate in Science Degree | Program: 2169 | 60 credits
CIP # 1615170100

Course Sequence Guide for Full-Time Enrollment

SEMESTER	Course ID	Course Title	Credits	Pre/Corequisites
Semester 1	ENC1101	College Composition	3	Prerequisite: Course, placement, or eligible exemption
	Mathematics	Any Mathematics State Core	3	Prerequisite: MAT1033 or appropriate score on placement test
	PHY1020	Fundamentals of Physics	3	Prerequisite: Course, placement, or eligible exemption
	ETM1600C	Automation and Controls Fundamentals	3	
	Total Credits		12	
Semester 2	BCN2563	Building Systems and Management	3	
	ETM1601C	HVAC Systems and Devices	3	Prerequisite: ETM1600C
	ETM1603C	Automation and Controls Design Through Commissioning	3	Prerequisite: ETM1600C
	EET1084C	Introduction to Electronics	3	
	Total Credits		12	
Semester 3	ETM1602C	Automated Electrical Systems and Devices	3	Prerequisite: ETM1601C and PHY1020 or MAC1105
	ETM2605C	Automation and Controls Integration	3	Prerequisite: ETM1601C and PHY1020 or MAC1105
	ETM1010C	Mechanical Measurement and Instrumentation	3	
	EGN1111C	Engineering Graphics	3	
	Total Credits		12	
Semester 4	Humanities	Any Humanities State Core	3	Prerequisite: ENC1101
	ETM2606C	EMCT Programming	3	Prerequisite: ETM1601C and ETM1602C
	ETM2607C	Troubleshooting Automation and Control Systems	3	Prerequisite: ETM1601C, ETM1602C, ETM1603C and ETM2605C
	ETM2942	Energy Management and Controls Technology Internship	3	Prerequisite: ETM1601C and ETM1603C
	Total Credits		12	
Semester 5	Social Science	Any Social Science State Core group 2	3	Prerequisite: Course, placement, or eligible exemption
	ETI1110	Quality Assurance	3	
	ETM2608C	Automated Building Operations	3	Prerequisite: ETM1600C
	ETM2609C	Capstone in Energy Management and Controls Technology	3	Prerequisite: ETM2607C
	Total Credits		12	
PROGRAM TOTAL			60	