Sample ENT Stackable Certificate-Degree/Credential Program

Engineering Technology

The Engineering Technician Program (ENT) prepares students to be the eyes, ears, hands, and feet of engineers. The ENT program includes Mechanical/Electrical and Industrial options. Courses in fluid power, programmable logic controls, mechanical design, structural analysis, materials, and project management, as well as quality and productivity are included in the program. The ENT program includes industry certifications and certificates as well as a capstone project course.

Program Requirements

	Course #	Course Name	Sem. Hours
Semester 1	EGR 101	Engineering Foundations	3
	INT 119	Principles of Mech Msmt	3
	MTH 100	Intermediate College Algebra	3
	PHS 121	Applied Physical Science	3
Semester 2	ENT 106	Principles of Engineering Tech	3
	MTH 103	Technical Math	3
	ILT 160	DC Fundamentals *(ETA DC EM1 Exam)*	3
	ILT 161	AC Fundamentals *(ETA AC EM2 Exam)*	3
		Eligible for STC in ENT	
Semester 3	DDT	DDT sequence course 1	3
	ENT 140	Applied Statics	3
	Elective	Mech/Elec/Indus Emphasis Elective 1	4
	Elective	Mech/Elec/Indus Emphasis Elective 2	3
		Eligible for STC in ENT	
Semester 4	DDT	DDT sequence course 2	3
	CIS 146	Microcomputer Applications	3
	SPH 107	Fundamentals of Public Speaking	3
	Elective	Mech/Elec/Indus Emphasis Elective 3	3
Semester 5	ENG 101	English Composition I	3
	WKO 106	Workplace Skills *(OSHA 10-Hr. Card)*	3
	ENT 242	Advanced Studies In Engineering Tech	3
	Elective	Mech/Elec/Indus Emphasis Elective4	3
		Eligible for CER in ENT	
Semester 6	Elective	Mech/Elec/Indus Emphasis Elective 5	3
	Elective	Mech/Elec/Indus Emphasis Elective 6	3
	Area II	Humanities and Fine Arts Elective	3
	Area IV	History, Social, and Behavioral Science	3
		Eligible for NOCT Certification in Engineering Technology	
		Eligible for AAS in ENT	
		Total Hours Required for Degree	73