



FAME AMT Program Sequence

Contact: FAME@daytonastate.edu 386-506-4138

A.S. Degree - Code 223200 – Catalog 2020/2021

General Education Courses

General Education Core - 15 Credits

Communications Core (3 credits)

ENC1101	Introduction to Composition	3
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Mathematics Core (6 credits)

MAC1105	College Algebra	3
STA2023	Elementary Statistics	3

Social Sciences Core (3 credits)

SLS1122	Managing Your Success	3
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Humanities Core (3 credits)

LIT2000	Literature and Culture	3
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FAME AMT Courses

All courses require a 'C' or better

Core Courses - 18 Credits

EET1011C	Introduction to Electrical Circuits and Lab	3
ETI1110	Introduction to Quality Assurance	3
ETI1420	Manufacturing Processes and Materials	3
ETI1701	Industrial Safety	3

ETD2364C	SolidWorks Solid Modeling and Lab	3
ETM1010	Mechanical Measurement and Instrumentation	3

Specialization: Mechatronics – 27 credits

EET1021C	Advanced Electrical Circuits and Lab	3
CET1112C	Digital Fundamentals and Lab	4
CET2123C	Microcomputer and Basic Digital Communications and Lab	4
ETM2315C	Hydraulic and Pneumatic Power and Control and Lab	3
ETS2540C	Fundamentals of Robotics and Automation	3
ETS2542C	Programmable Logic Controllers	4
ETI1843C	Motors and Controls	3
EET2949	Cooperative Education Experience in Electronics	3

FAME AMT Course Sequence

Year 1

Fall Semester

	MCE 1: Safety Culture	
SLS112	Managing Your Success	3
EET1011C	Introduction to Electrical Circuits and Lab	3
ETI1701	Industrial Safety	3
MAC1105	College Algebra	3
	Total Credit Hours:	12

Spring Semester

	MCE 2: 5S – Workplace Organization	
ETI1420	Manufacturing Processes and Materials	3

CET1112C	Digital Fundamentals and Lab	4
EET1021C	Advanced Electrical Circuits and Lab	3
ETS2540C	Fundamentals of Robotics and Automation	3
	Total Credit Hours:	13

Summer Semester

	MCE 3: TPS-M – Lean Manufacturing	
ENC1101	Introduction to Composition	3
LIT2000	Literature and Culture	3
STA2023	Elementary Statistics	3
	Total Credit Hours:	9

Year 2

Fall Semester

	MCE 4: Problem Solving	
ETM2315C	Hydraulic and Pneumatic Power and Control and Lab	3
ETS2542C	Programmable Logic Controllers	4
ETI1110	Introduction to Quality Assurance	3
ETD2364C	SolidWorks Solid Modeling and Lab	3
	Total Credit Hours:	13

Spring Semester

	MCE 5: Maintenance Reliability	
ETM1010	Mechanical Measurement and Instrumentation	3
EET2949	Cooperative Education Experience in Electronics	3
CET2123C	Microcomputer and Basic Digital Communications and Lab	4
ETI1843C	Motors and Controls	3
	Total Credit Hours:	13

Total Program Credit Hours: 60