

Production Systems

Associate of Applied Science

The manufacturing technologies production systems emphasis AAS degree program is a two-year program designed to provide training and technical job skills to students seeking employment and/or skill upgrades as an industrial production, assembly, or fabrication manager or technician. The program utilizes an advanced automated production lab in which students demonstrate and manipulate production system controls and techniques at both the technician and managerial levels. This program is offered in a flexible open-entry/open-exit format to respond to the needs of industry and the working professional.

General Education Requirements

Diversity (3 credits)
See the diversity section of the general education descriptions for a complete list of courses.

English/Communications	6 credits
Human Relations	3 credits
Quantitative Reasoning	3 credits
Science	3 credits
Social Science/Humanities	3 credits
U.S. and Nevada Constitutions	3 credits
Total General Education Requirements	21 Credits

Core Requirements

AIT 110	General Industrial Safety	1
DFT 110	Blueprint Reading for Industry	3
MPT 140	Quality Control	3

Total Core Requirements	7 Credits
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Emphasis Requirements

ENGR 100	Introduction to Engineering	3
MATH 152	Introduction to Statistics	3
MGT 170	Manufacturing Supervision	4
MPT 110	Automated Production Concepts I	3
MPT 120	Automated Production Concepts II	3
MPT 130	Automated Production Concepts III	3

Total Emphasis Requirements	19 Credits
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Elective Requirements

Choose 15 credits from the following:

BUS 101	Introduction to Business	3
CADD 100	Introduction to Computer-Aided Drafting	3
CE 290	Work Experience	3
DFT 120	Geometric Dimensioning and Tolerancing	3
ELM 233	Introduction to Instrumentation	3
MT 102	Fundamentals of Industrial Electricity	3
MTT 140	Inspection Techniques	3
	Any other MTT course	3

Total Elective Requirements	15 Credits
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Total Degree Requirements	62 Credits
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Suggested Course Sequence

First Year	Course #	Title	Credits
1st Semester			
Elective		Choose from list	3
Humanities/ Diversity	AAD 201	History of the Built Environment	3
Core	AIT 110	General Industrial Safety	1
Core	DFT 110	Blueprint Reading for Industry	3
Quantitative Reasoning	MATH 126	Pre-Calculus I	3
Core	MPT 140	Quality Control	3
			Total 16
2nd Semester			
Communications	ENG 107	Technical Communications I	3
Emphasis	ENGR 100	Introduction to Engineering	3
Emphasis	MGT 170	Manufacturing Supervision	4
Emphasis	MPT 110	Automated Production Concepts I	3
Science	PHYS 100	Introductory Physics	3
			Total 16
Second Year	Course #	Title	Credits
3rd Semester			
Elective		Choose from list	6
English	ENG 101	Composition I	3
Emphasis	MATH 152	Introduction to Statistics	3
Emphasis	MPT 120	Automated Production Concepts II	3
			Total 15
4th Semester			
Elective		Choose from list	6
Human Relations	CE 201	Workplace Readiness	3
U.S. and Nevada	Elective		3
Constitutions			
Emphasis	MPT 130	Automated Production Concepts III	3
			Total 15
			Degree Total 62