



Quality Assurance Inspection

Student Learning Outcomes

- 1 Communication - The student will demonstrate the ability to communicate effectively using written and/or oral communication.
- 2 Information Literacy - The student will recognize when information is needed and have the ability to locate, evaluate, and use effectively the needed information.
- 3 Problem Solving - The student will demonstrate the ability to analyze information and solve problems.
- 4 Workplace Skills - Demonstrates a mastery of workplace skills/soft skills, exhibits initiative, adapts to varied situations.

Program Outcomes

- 1 Identify safety hazards and proper work processes to ensure a safe working environment and company success.
- 2 Apply proper quality management tools and Techniques to real world situations.
- 3 Understand integrity of document control, including version control, approval processes, and distribution.
- 4 Use variety of measurement techniques to ensure quality of manufacturing and or assembly applications.
- 5 Interpret blueprint and specification documents for identification of proper application to inspection and procedures.

Fall

Course #	Course Title	Credits	Function
QAI 135	Quality Assurance Orientation	1	Technical Studies
CED 115	Computer Applications	3	General Studies
AVC 110	Safety/OSHA 10	1	Technical Studies
MCD 106	Precision Measuring	2	Technical Studies
AVC 112	Blueprint Reading	2	Technical Studies
MTH	Math Elective*	3	General Studies
PDV 115	Work Ethics	2	General Studies

Spring

Course #	Course Title	Credits	Function
QAI 145	Quality Management	3	Technical Studies
QAI 155	Quality Documentation and Traceability	3	Technical Studies
MCD 210	Advanced Measuring	3	Technical Studies
ENG 101	Composition I*	3	General Studies
	Technical Elective**	4	Elective

Fall

Course #	Course Title	Credits	Function
CAT 101	CATIA Part Design & Sketcher	4	Technical Studies
QAI 165	Materials Testing and Analysis	3	Technical Studies
QAI 175	Quality Assurance Inspection Internship I	3	Technical Studies
	Communication Elective*	3	General Studies
	Social Science Elective*	3	General Studies

Spring

Course #	Course Title	Credits	Function
QAI 185	Statistical Process Control	1	Technical Studies
QAI 195	Root Cause Analysis	1	Technical Studies
QAI 201	Geometric Dimensioning & Tolerance	3	Technical Studies
QAI 215	Human Factors in Manufacturing	3	Technical Studies
QAI 225	Quality Assurance Inspection Internship II	4	Technical Studies
	Humanities Elective*	3	General Studies

****Technical Electives**

Course #	Course Title	Credits	Function
MMG 140	Metrology		Elective
TFF 120	Metrology		Elective

*** Kansas Systemwide General Education**

Technical Certificate, Quality Assurance Inspection

Total Credits 24**Fall**

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QAI 135	Quality Assurance Orientation	1	Technical Studies
AVC 110	Safety/OSHA 10	1	Technical Studies
AVC 112	Blueprint Reading	2	Technical Studies
MCD 106	Precision Measuring	2	Technical Studies
PDV 115	Work Ethics	2	General Studies
QAI 201	Geometric Dimensioning & Tolerance	3	Technical Studies

Spring

Course #	Course Title	Credits	Function
QAI 145	Quality Management	3	Technical Studies
QAI 155	Quality Documentation and Traceability	3	Technical Studies
	Technical Elective**	4	Elective
MCD 210	Advanced Measuring	3	Technical Studies

Technical Electives

Course #	Course Title	Credits	Function
TFF 120	Metrology		
MMG 140	Metrology		Elective

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