



# Manufacturing

## State Model Programs of Study and Course Outline

### Cluster Level Program of Study

Dual Credit

Cluster	Course Level		
	Introduction Course	Intermediate Course	Capstone Course
Manufacturing I	<b>100100</b> Introduction to Construction, Design and Manufacturing	<b>101920</b> Manufacturing - Woods <b>101400</b> Manufacturing - Metals	
Manufacturing II	<b>100100</b> Introduction to Construction, Design and Manufacturing	<b>101920</b> Manufacturing - Woods <b>101930</b> Manufacturing - Welding	
Manufacturing III	<b>100100</b> Introduction to Construction, Design and Manufacturing	<b>101920</b> Manufacturing - Woods <b>101950</b> Manufacturing - Plastics	
Manufacturing IV	<b>100100</b> Introduction to Construction, Design and Manufacturing	<b>101400</b> Manufacturing - Metals <b>101930</b> Manufacturing - Welding	
Manufacturing V	<b>100100</b> Introduction to Construction, Design and Manufacturing	<b>101400</b> Manufacturing - Metals <b>101950</b> Manufacturing - Plastics	
Manufacturing VI	<b>100100</b> Introduction to Construction, Design and Manufacturing	<b>101930</b> Manufacturing - Welding <b>101950</b> Manufacturing - Plastics	
Manufacturing VII	<b>101900</b> Introduction to Manufacturing/ Mechatronics	<b>101920</b> Manufacturing - Woods <b>101400</b> Manufacturing - Metals	
Manufacturing VIII	<b>101900</b> Introduction to Manufacturing/ Mechatronics	<b>101920</b> Manufacturing - Woods <b>101930</b> Manufacturing - Welding	



# Pathway Level Program of Study

 Dual Credit

		Course Level		
		Introduction Course	Intermediate Course	Capstone Course
Pathway	Production: Woods	<b>100100</b> Introduction to Construction, Design and Manufacturing -OR- <b>101900</b> Introduction to Manufacturing/ Mechatronics	<b>101920</b> Manufacturing - Woods	<b>101921</b> Advanced Fabrication and Manufacturing - Woods 
	Production: Metals	<b>100100</b> Introduction to Construction, Design and Manufacturing -OR- <b>101900</b> Introduction to Manufacturing/ Mechatronics	<b>101400</b> Manufacturing - Metals	<b>101401</b> Advanced Fabrication and Manufacturing - Metals 
	Production: Welding	<b>100100</b> Introduction to Construction, Design and Manufacturing -OR- <b>101900</b> Introduction to Manufacturing/ Mechatronics	<b>101930</b> Manufacturing - Welding	<b>101940</b> Advanced Fabrication and Manufacturing - Welding 
	Production: Plastics	<b>100100</b> Introduction to Construction, Design and Manufacturing -OR- <b>101900</b> Introduction to Manufacturing/ Mechatronics	<b>101950</b> Manufacturing - Plastics	<b>101951</b> Advanced Fabrication and Manufacturing - Plastics 
	Manufacturing Production Process Development: Woods	<b>101900</b> Introduction to Manufacturing/ Mechatronics -OR- <b>100100</b> Introduction to Construction, Design and Manufacturing	<b>101920</b> Manufacturing - Woods	<b>101910</b> Advanced Mechatronics 
	Manufacturing Production Process Development: Metals	<b>101900</b> Introduction to Manufacturing/ Mechatronics -OR- <b>100100</b> Introduction to Construction, Design and Manufacturing	<b>101400</b> Manufacturing - Metals	<b>101910</b> Advanced Mechatronics 
	Manufacturing Production Process Development: Welding	<b>101900</b> Introduction to Manufacturing/ Mechatronics -OR- <b>100100</b> Introduction to Construction, Design and Manufacturing	<b>101930</b> Manufacturing - Welding	<b>101910</b> Advanced Mechatronics 
	Manufacturing Production Process Development: Plastics	<b>101900</b> Introduction to Manufacturing/ Mechatronics -OR- <b>100100</b> Introduction to Construction, Design and Manufacturing	<b>101950</b> Manufacturing - Plastics	<b>101910</b> Advanced Mechatronics 
	Manufacturing Production Process Development: Computer	<b>101900</b> Introduction to Manufacturing/ Mechatronics -OR- <b>100100</b> Introduction to Construction, Design and Manufacturing	<b>101951</b> Computer Integrated Manufacturing	<b>101910</b> Advanced Mechatronics 
	Maintenance, Installation, and Repair: Comprehensive	<b>101900</b> Introduction to Manufacturing/ Mechatronics -OR- <b>100100</b> Introduction to Construction, Design and Manufacturing	<b>100401</b> Electronics - Comprehensive	

