

Program Outcomes– Associate of Science in Criminal Justice							
Program Level Objectives				General Education Objectives			
SLO 1	SLO 2	SLO 3	SLO 4	SLO 5	SLO 6	SLO 7	SLO 8
Students will develop a knowledge of the criminal justice system.	Students will demonstrate knowledge of theories associated with the causes of crime.	Students will develop an understanding of various approaches to addressing crime.	Students will be able to identify primary branches of the criminal justice system and their respective roles.	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
2021-present							
95%	100%	95%	87%	64%	84%	73%	82%
Fall 2023							
95%	100%	95%			86%	89%	

Curriculum Map – Associate of Science in Criminal Justice

Curriculum Map – Associate of Science in Criminal Justice								
	Program Objectives				General Education Electives			
Term	SLO 1	SLO 2	SLO 3	SLO 4	SLO 5	SLO 6	SLO 7	SLO 8
	Students will develop a knowledge of the criminal justice system.	Students will demonstrate knowledge of theories associated with the causes of crime.	Students will develop an understanding of various approaches to addressing crime.	Students will be able to identify primary branches of the criminal justice system and their respective roles.	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
Fall	CRJ 1023	CRJ 1053	CRJ 1023			ENG 1003	ART 2503, MUS 2503, THEA 2503 ENG 2003, ENG 2013, PHIL 1103	
Spring				CRJ 2263	MATH 1023, MATH 1043 BIOL 1004 CHEM 1014, GEOL 1004, GEOL 1104, PHYS 1204, PHYS 2054	ENG 1013	HIST 2763, HIST 2773, POSC 2103, PSY 2513, SOC 2213	ORT 1011???

Program Outcomes – Associate of Applied Science in Automotive Systems Repair				
Program Level Objectives				
SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
Students will adjust and repair consumer and commercial equipment as an entry-level service shop technician	Students will test and troubleshoot equipment and systems	Students will service and repair installed systems	Students will communicate the proper technical terminology of the industry	Students will express and implement all safety rules and procedures across the full scope of their field.
2021 - present				
58%	74%	89%	89%	80%
Fall 2023				
78%		100%	68%	37%

Program Outcomes– Associate of Applied Science in Automotive Systems Repair			
General Education Objectives			
SLO 6	SLO 7	SLO 8	SLO 9
Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
2021 - present			
66%	83%	93%	No data
Fall 2023			
39%	85%	90%	

Curriculum Map – Associate of Applied Science in Automotive Systems Repair

Program Level Objectives

Term	SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
	Students will adjust and repair consumer and commercial equipment as an entry-level service shop technician	Students will test and troubleshoot equipment and systems	Students will service and repair installed systems	Students will communicate the proper technical terminology of the industry	Students will express and implement all safety rules and procedures across the full scope of their field.
Fall	AUTO 2244		AUTO 1024	AUTO 1104 AUTO 1304	AUTO 1013
Spring	AUTO 1403	AUTO 2104 AUTO 2304	AUTO 2404		AUTO 1034 WELD 1204

Curriculum Map – Associate of Applied Science in Automotive Systems Repair

General Education Objectives

Term	SLO 6	SLO 7	SLO 8	SLO 9
	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
Fall	MATH 1113	ENG 1003	ECON 2313	
Spring		ENG 1013 COMM 1203	TECH 1012	CIS 1053

Program Outcomes – Associate of Applied Science in Business Administration							
Program Level Objectives				General Education Objectives			
SLO 1	SLO 2	SLO 3	SLO 4	SLO 5	SLO 6	SLO 7	SLO 8
Demonstrated employability (soft) skills	Apply current, legal, ethical, social, financial, and economic environmental factors as they apply to business.	Demonstrate the use of spreadsheets, reports, letters, presentations, etc. in an effort to apply critical thinking in decision making	Apply accounting and economic principles in decision making	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
2021 - present							
95%	91%	94%	88%	66%	83%		82%
Fall 2023							
87%	92%	85%	70%	39%	85%		80%

Curriculum Map – Associate of Applied Science in Business Administration

	Program Level Objectives				General Education			
Term	SLO 1	SLO 2	SLO 3	SLO 4	SLO 5	SLO 6	SLO 7	SLO 8
	Demonstrate Employability /soft skills	Apply current, legal, ethical, social, financial, and economic environmental factors as they apply to business.	Demonstrate the use of spreadsheets, reports, letters, presentations, etc. in an effort to apply critical thinking in decision making	Apply accounting and economic principles in decision making	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
Fall	BUS 2103	BUS 1013 BUS 2833	CIS 1003	ACC 2003	MATH 1113	ENG 1003		CIS 2503
Spring	BUS 2213 BUS 2841	BUS 2203	BUS 2853	BUS 1002		ENG 1013 BUS 2563, COMM 1203	ECON 2313	

Program Outcomes– Associate of Applied Science in Computer Technology and Networking							
Program Level Objectives				General Education Objectives			
SLO 1	SLO 2	SLO 3	SLO 4	SLO 5	SLO 6	SLO 7	SLO 8
Be employable as an entry level computer technician, support engineer, or network administrator	Develop a working knowledge of operating systems, computer hardware and software, mobile devices, security issues, and networking technologies	Develop career skills by combining classroom theory with real-world tasks through job-related experiences	Demonstrate critical thinking, complex problem solving, and collaboration	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
2021 - present							
88%	50%	No data	74%	66%	84%	78%	82%
Fall 2023							
	92%		96%	39%	85%		81%

Curriculum Map – Associate of Applied Science in Computer Technology and Networking

	Program Level Objectives				General Education Objectives			
Term	SLO 1	SLO 2	SLO 3	SLO 4	SLO 5	SLO 6	SLO 7	SLO 8
	Be employable as an entry level computer technician, support engineer, or network administrator	Develop a working knowledge of operating systems, computer hardware and software, mobile devices, security issues, and networking technologies	Develop career skills by combining classroom theory with real-world tasks through job-related experiences	Demonstrate critical thinking, complex problem solving, and collaboration	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
Fall		CIS 1113 CIS 1103		CIS 1023 CIS 2723 CIS 1106	MATH 1113	ENG 1003		CIS 1203 CIS 2503
Spring	BUS 2213 CIS 1206 CIS 1223	CIS 1503 CIS 1313 CIS 2703	CIS 2803			ENG 1013	ECON 2313	

Program Outcomes – Associate of Applied Science in Criminal Justice				
Program Level Objectives				
SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
Develop a knowledge of the criminal justice system	Demonstrate knowledge of theories associated with the causes of crime	Develop an understanding of various approaches to addressing crime	Identify primary branches of the criminal justice system and their respective roles	Demonstrate a basic understanding of how to develop and collect latent fingerprints and process other physical evidence
2021 - present				
93%	90%	100%	87%	100%
Fall 2023				
95%	100%	95%		100%

Program Outcomes – Associate of Applied Science in Criminal Justice			
General Education Objectives			
SLO 6	SLO 7	SLO 8	SLO 9
Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
2021 - present			
No data	84%	82%	82%
Fall 2023			
	85%	78%	81%

Curriculum Map – Associate of Applied Science in Criminal Justice

Program Level Objectives

Term	SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
	Develop a knowledge of the criminal justice system	Demonstrate knowledge of theories associated with the causes of crime	Develop an understanding of various approaches to addressing crime	Identify primary branches of the criminal justice system and their respective roles	Demonstrate a basic understanding of how to develop and collect latent fingerprints and process other physical evidence
Fall	CRJ 1023	CRJ 1053	CRJ 1223 CRJ 2023		CRJ 2253
Spring		CRJ 2033 CRJ 2233	CRJ 2043	CRJ 2263	

Curriculum Map – Associate of Applied Science in Criminal Justice

General Education Objectives

Term	SLO 6	SLO 7	SLO 8	SLO 9
	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
Fall		ENG 1003	HIST 2763, HIST 2773, POSC 2103 PSY 2513 SOC 2213	CIS 2503
Spring	MATH 1113	ENG 1013	SOC 2223	

Program Outcomes – Associate of Applied Science in Cybersecurity							
Program Level Objectives				General Education Objectives			
SLO 1	SLO 2	SLO 3	SLO 4	SLO 5	SLO 6	SLO 7	SLO 8
Be employable as an associate security analyst, incident responder, network security analyst, or cybersecurity risk analyst	Implement data confidentiality, integrity, availability, and security controls on networks, servers, and applications	Develop security principles and policies that comply with cybersecurity laws	Demonstrate critical thinking, complex problem solving, and collaboration	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
2021 - present							
No data	50%	100%	79%	66%	83%	No data	No data
Fall 2023							
	100%	100%	97%	39%	85%		

Curriculum Map – Associate of Applied Science in Cybersecurity

Curriculum Map – Associate of Applied Science in Cybersecurity								
	Program Level Objectives				General Education Objectives			
Term	SLO 1	SLO 2	SLO 3	SLO 4	SLO 5	SLO 6	SLO 7	SLO 8
	Be employable as an associate security analyst, incident responder, network security analyst, or cybersecurity risk analyst	Implement data confidentiality, integrity, availability, and security controls on networks, servers, and applications	Develop security principles and policies that comply with cybersecurity laws	Demonstrate critical thinking, complex problem solving, and collaboration	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
Fall		CIS 1103 CIS 2463	CIS 2913 CRJ 2243	CIS 1023 CIS 1513 CIS 2723 CIS 1106	MATH 1113	ENG 1003		CIS 1203
Spring	CIS 1206 CIS 2683			BUS 2843		ENG 1013 BUS 2563	POSC 2103 POSC 1003	

Program Outcomes – Associate of Applied Science in Digital Design				
Program Level Objectives				
SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
Develop an understanding of graphic, web, and digital design principles as they pertain to online and printed visual communications	Demonstrate foundational design and communication skills including color theory, topography, compositional layout, information organization, creative thinking, and problem solving.	Demonstrate proficiency using industry-standard digital design software, technology, and equipment including digital cameras, scanners, photo/video editing, computer illustration, online and time-based media.	Develop career skills by combining classroom learning with hands-on design applications while preparing a professional portfolio in the field of digital design	Demonstrate an understanding of learning strategies, which combine design thinking and aesthetics with software skills and technology to prepare for a career in an ever-changing field
2021 - present				
74%	72%	62%	89%	80%
Fall 2023				
70%	100%	100%		

Program Outcomes – Associate of Applied Science in Digital Design			
General Education Objectives			
SLO 6	SLO 7	SLO 8	SLO 9
Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
2021 - present			
No data	84%	78%	82%
Fall 2023			
	85%		81%

Curriculum – Associate of Applied Science in Digital Design					
Program Level Objectives					
Term	SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
	Develop an understanding of graphic, web, and digital design principles as they pertain to online and printed visual communications	Demonstrate foundational design and communication skills including color theory, topography, compositional layout, information organization, creative thinking, and problem solving.	Demonstrate proficiency using industry-standard digital design software, technology, and equipment including digital cameras, scanners, photo/video editing, computer illustration, online and time-based media.	Develop career skills by combining classroom learning with hands-on design applications while preparing a professional portfolio in the field of digital design	Demonstrate an understanding of learning strategies, which combine design thinking and aesthetics with software skills and technology to prepare for a career in an ever-changing field
Fall	BUS 2513 CIS 2623	CIS 1703 CIS 2003	CIS 1803		
Spring	CIS 2663	ART 1013	CIS 2313	BUS 1002 BUS 2213	CIS 2353 CIS 2563

Curriculum Map – Associate of Applied Science in Digital Design				
General Education Objectives				
Term	SLO 6	SLO 7	SLO 8	SLO 9
	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
Fall		ENG 1003		CIS 2503
Spring	MATH 1113	ENG 1013	ECON 2313	

Program Outcomes – Associate of Applied Science in Funeral Science				
Program Level Objectives				
SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
Relationships	Ethics	Laws	Safety	Embalming Skill
2021 - present				
No data	No data	No data	78%	100%
Fall 2023				
	63%	63%	75%	81%

Program Outcomes – Associate of Applied Science in Funeral Science				
Program Level Objectives				
SLO 6	SLO 7	SLO 8	SLO 9	SLO 10
Director Skill	Disposition	Grief	Management Skills	Communication, Research
2021 - present				
n/a	100%	n/a	68%	100%
Fall 2024				
			70%	

Program Outcomes – Associate of Applied Science in Funeral Science			
General Education Objectives			
SLO 11	SLO 12	SLO 13	SLO 14
Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
2021 - present			
No data	87%	79%	No data
Fall 2023			

Curriculum Map – Associate of Applied Science in Funeral Science					
Program Level Objectives					
Term	SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
	Relationships	Ethics	Laws	Safety	Embalming skills
Fall		FUS 1143	FUS 1143	FUS 2113	FUS 2013 FUS 2171 BIOL 1013
Spring	FUS 2262	FUS 1152	FUS 1013 FUS 1152	FUS 1004 FUS 2124	FUS 2124 FUS 2181 BIOL 1113
Summer	FUS 2253				

Term	SLO 6	SLO 7	SLO 8	SLO 9	SLO 10
	Director skills	Disposition	Grief	Management skills	Communication, research
Fall				ACC 2003	
Spring		FUS 1001 FUS 2003		FUS 2003	FUS 2012
Summer	FUS 2001 FUS 2243	FUS 2001	FUS 2253		

Program Outcomes – Associate of Applied Science in Mechatronics					
Program Level Objectives					
SLO 1	SLO 2	SLO 3	SLO 4	SLO 5	SLO 6
Develop an understanding of graphic. Students will comprehend and communicate using standard technical and engineering terminology, web, and digital design principles as they pertain to online and printed visual communications	Conduct Standard tests, measurements, and experiments using appropriate instruments, settings, and tools where necessary.	Demonstrate basic computer skills, navigation, and software skills related to control systems.	Interpret schematic symbols, basic schematic diagrams, blueprints and other technical documents to properly assemble, adjust, align and test a power transmission assembly or control system.	Demonstrate proficiency recognizing potential hazardous situations, proper use of personal protective equipment (PPE), and appropriate Lockout/Tagout/Block-out procedures.	Develop and demonstrate a basic level of proficiency using existing knowledge, documentation, observation and measurements aimed at generating an efficient process of troubleshooting and identifying the failure source within a control system
2021 - present					
87%	No data	90%	100%	84%	No data
Fall 2023					
88%		100%	50%		100%

Program Outcomes – Associate of Applied Science in Mechatronics			
General Education Objectives			
SLO 7	SLO 8	SLO 9	SLO 10
Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
2021 - present			
66%	87%	83%	No data
Fall 2023			
39%	82%		

Curriculum Map – Associate of Applied Science in Mechatronics

Program Level Objectives

Term	SLO 1	SLO 2	SLO 3	SLO 4	SLO 5	SLO 6
	Students will comprehend and communicate using standard technical and engineering terminology.	Conduct Standard tests, measurements, and experiments using appropriate instruments, settings, and tools where necessary.	Demonstrate basic computer skills, navigation, and software skills related to control systems.	Interpret schematic symbols, basic schematic diagrams, blueprints and other technical documents to properly assemble, adjust, align and test a power transmission assembly or control system.	Demonstrate proficiency recognizing potential hazardous situations, proper use of personal protective equipment (PPE), and appropriate Lockout/Tagout/Block-out procedures.	Develop and demonstrate a basic level of proficiency using existing knowledge, documentation, observation and measurements aimed at generating an efficient process of troubleshooting and identifying the failure source within a control system
Fall	TECH 1004		TECH 2314	TECH 2134	MACH 1004 TECH 2154	
Spring	TECH 1404	TECH 2424	TECH 1044		TECH 2444	TECH 2324

Curriculum Map – Associate of Applied Science in Mechatronics

General Education Objectives

Term	SLO 7	SLO 8	SLO 9	SLO 10
	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
Fall	MATH 1113	ENG 1003 COMM 1203		
Spring		ENG 1013	ECON 2313 TECH 1012	CIS 1053

Program Outcomes – Associate of Applied Science in Programming/Mobile Development				
Program Level Objectives				
SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
Be employable in an entry-level computer programmer or mobile developer position.	Apply classroom theory with practical application through job-related experiences	Demonstrate foundational programming skills of organization, logic, analytical thinking, and problem solving	Demonstrate sufficient understanding of various industry-recognized computer programming, object oriented, and scripting languages	Develop an understanding of application architecting, interface design theories, visual constructs and responsive frameworks
2021 - present				
88%	100%	66%	85%	63%
Fall 2023				
		93%	100%	100%

Program Outcomes – Associate of Applied Science in Programming/Mobile Development			
General Education Objectives			
SLO 6	SLO 7	SLO 8	SLO 9
Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
2021 - present			
66%	84%	78%	82%
Fall 2023			
39%	85%		81%

Curriculum Map – Associate of Applied Science in Programming/Mobile Development

Program Level Objectives

Term	SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
	Be employable in an entry-level computer programmer or mobile developer position.	Apply classroom theory with practical application through job-related experiences	Demonstrate foundational programming skills of organization, logic, analytical thinking, and problem solving	Demonstrate sufficient understanding of various industry-recognized computer programming, object oriented, and scripting languages	Develop an understanding of application architecting, interface design theories, visual constructs and responsive frameworks
Fall			CIS 1023 CIS 1113 CIS 2723 CIS 2553	CIS 1513	CIS 1133 CIS 2453
Spring	BUS 2213	CIS 2903	CIS 1503 BUS 2843 CIS 2433	CIS 1063	CIS 2113 CIS 2443, CIS 2663

Curriculum Map – Associate of Applied Science in Programming/Mobile Development

General Education Objectives

Term	SLO 6	SLO 7	SLO 8	SLO 9
	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
Fall	MATH 1113	ENG 1003		CIS 2503
Spring		ENG 1013	ECON 2313	

Program Outcomes – Associate of Applied Science in Welding				
Program Level Objectives				
SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
Demonstrate safe and proper use of welding, cutting and grinding equipment.	Demonstrate the ability to make accurate measurements to within 1/16" tolerance using a tape measure and utilize essential mathematical concepts required in the welding, fabrication, and manufacturing industries.	Read and interpret fabrication blueprints to create layouts to specifications.	Identify and select suitable welding consumable materials and set up and operate welding equipment in such a manner as to produce a quality weld in accordance with established industry standards.	Identify the cause of various weld defects including slag inclusions, porosity, undercut and cracking.
2021 - present				
No data	No data	No data		
Fall 2023				
			100%	50%

Program Outcomes – Associate of Applied Science in Welding			
General Education Objectives			
SLO 6	SLO 7	SLO 8	SLO 9
Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
2021 - present			
66%	83%	93%	No data
Fall 2023			
39%	85%	90%	80%

Curriculum Map – Associate of Applied Science in Welding

Program Level Objectives

Term	SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
	Demonstrate safe and proper use of welding, cutting and grinding equipment.	Demonstrate the ability to make accurate measurements to within 1/16" tolerance using a tape measure and utilize essential mathematical concepts required in the welding, fabrication, and manufacturing industries.	Read and interpret fabrication blueprints to create layouts to specifications.	Identify and select suitable welding consumable materials and set up and operate welding equipment in such a manner as to produce a quality weld in accordance with established industry standards.	Identify the cause of various weld defects including slag inclusions, porosity, undercut and cracking.
Fall	WELD 1024			WELD 1404	MACH 1002
Spring		TECH 1044	TECH 1032	WELD 1204	

Curriculum Map – Associate of Applied Science in Welding

General Education Objectives

Term	SLO 6	SLO 7	SLO 8	SLO 9
	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
Fall	MATH 1113	ENG 1003	ECON 2313	CIS 1053
Spring		ENG 1013 COMM 1203	TECH 1012	

Program Outcomes – Technical Certificate in Automotive Systems Repair				
Program Level Objectives				
SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
Students will adjust and repair consumer and commercial equipment as an entry-level service shop technician.	Students will test and troubleshoot equipment and systems.	Students will service and repair installed systems.	Students will communicate in the proper technical terminology of the industry.	Students will express and implement all safety rules and procedures across the full scope of their field.
2021 - present				
58%	74%	89%	89%	72%
Fall 2023				
		100%	51%	37%

Curriculum Map – Technical Certificate Automotive Systems Repair

Program Level Objectives

Term	SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
	Students will adjust and repair consumer and commercial equipment as an entry-level service shop technician.	Students will test and troubleshoot equipment and systems.	Students will service and repair installed systems.	Students will communicate in the proper technical terminology of the industry.	Students will express and implement all safety rules and procedures across the full scope of their field.
Fall			AUTO 1024	AUTO 1104 AUTO 1304	AUTO 1013
Spring	AUTO 1403	AUTO 2104 AUTO 2304			AUTO 1034

Program Outcomes – Technical Certificate in Funeral Directing			
Program Level Objectives			
SLO 1	SLO 2	SLO 3	SLO 4
Relationships	Ethics	Laws	Directing skills
2021 - present			
N/a	No data	No data	n/a
Fall 2023			
	63%		

Program Outcomes – Technical Certificate in Funeral Directing			
Program Level Objectives			
SLO 5	SLO 6	SLO 7	SLO 8
Disposition	Grief	Management skills	Communication and research
2021 - present			
100%	n/a	50%	96%
Fall 2023			
		55%	82%

Curriculum Map – Technical Certificate in Funeral Directing				
Program Level Objectives				
Term	SLO 1	SLO 2	SLO 3	SLO 4
	Relationships	Ethics	Laws	Directing skills
Fall		FUS 1143	FUS 1143	
Spring			FUS 1013	
Summer	FUS 2253			FUS 2243

Curriculum Map – Technical Certificate in Funeral Directing				
Program Level Objectives				
Term	SLO 5	SLO 6	SLO 7	SLO 8
	Disposition	Grief	Management Skills	Communication and Research
Fall			MATH 1113 ACC 2003	COMM 1203 ENG 1003
Spring	FUS 2003			FUS 2012
Summer		FUS 2253		

Program Outcomes – Technical Certificate in General Business	
Program Level Objectives	
SLO 1	SLO 2
Apply current legal, ethical, social, financial, and economic environmental factors as they relate to business	Apply accounting and economic principles in decision making.
2021 - present	
90%	35%
Fall 2023	
83%	70%

Assessment Map – Technical Certificate in General Business

Program Level Objectives

Term	SLO 1	SLO 2
	Apply current legal, ethical, social, financial, and economic environmental factors as they relate to business	Apply accounting and economic principles in decision making.
Fall	BUS 1013	ACC 2003
Spring	BUS 2203	

Program Outcomes – Technical Certificate in Information Systems Technology	
Program Level Objectives	
SLO 1	SLO 2
Develop a working knowledge of operating systems, computer hardware and software, mobile devices, security issues, and networking technologies.	Demonstrate critical-thinking, complex problem solving, and collaboration
2021 - present	
50%	33%
Fall 2023	
83%	94%

Curriculum Map – Technical Certificate in Information Systems Technology

	Program Level Objectives	
Term	SLO 1	SLO 2
	Develop a working knowledge of operating systems, computer hardware and software, mobile devices, security issues, and networking technologies.	Demonstrate critical-thinking, complex problem solving, and collaboration
Fall	CIS 1113	CIS 1023 CIS 2723
Spring	CIS 1503	

Program Outcomes – Technical Certificate in Machining Technology		
Program Level Objectives		
SLO 1	SLO 2	SLO 3
Demonstrate ability to read and understand basic engineering drawings	Demonstrate proficiency with precision measurement tools	Exhibit ability to select, maintain, and utilize manual machining equipment
2021 - present		
No data	n/a	No data
Fall 2023		
75%	100%	

Program Outcomes – Technical Certificate in Machining Technology		
Program Level Objectives		
SLO 4	SLO 5	SLO 6
Demonstrate proficiency setting tool and work offsets for various CNC operations	Demonstrate understanding of g-code	Exhibit competency in the setup and operation of various CNC machines
2021 - present		
No data	No data	No data
Fall 2023		
100%		

Curriculum Map – Technical Certificate in Machining Technology			
	Program Level Objectives		
	SLO 1	SLO 2	SLO 3
Term	Demonstrate ability to read and understand basic engineering drawings	Demonstrate proficiency with precision measurement tools	Exhibit ability to select, maintain, and utilize manual machining equipment
Fall	MACH 1002 TECH 2154	MACH 1004	
Spring	TECH 1044		MACH 2004 MACH 2014

Curriculum Map – Technical Certificate in Machining Technology			
	Program Level Objectives		
Term	SLO 4	SLO 5	SLO 6
	Demonstrate proficiency setting tool and work offsets for various CNC operations	Demonstrate understanding of g-code	Exhibit competency in the setup and operation of various CNC machines
Fall	MACH 2018	MACH 2018	MACH 2018
Spring			

Program Outcomes – Technical Certificate in Mechatronics		
Program Level Objectives		
SLO 1	SLO 2	SLO 3
Students will comprehend and communicate using standard technical and engineering terminology.	Conduct Standard tests, measurements, and experiments using appropriate instruments, settings, and tools where necessary.	Demonstrate basic computer skills, navigation, and software skills related to control systems.
2021 - present		
78%	No data	90%
Fall 2023		
88%		100%

Curriculum Map – Technical Certificate in Mechatronics

	Program Level Objectives		
	SLO 1	SLO 2	SLO 3
Term	Students will comprehend and communicate using standard technical and engineering terminology.	Conduct Standard tests, measurements, and experiments using appropriate instruments, settings, and tools where necessary.	Demonstrate basic computer skills, navigation, and software skills related to control systems.
Fall	TECH 1004		TECH 2314
Spring	TECH 1404	TECH 2424	TECH 1044

Program Outcomes – Technical Certificate in Web Development		
Program Level Objectives		
SLO 1	SLO 2	SLO 3
Demonstrate foundational programming/software skills of organization, logic, analytical thinking, and problem solving	Demonstrate learning strategies, which combine design thinking and aesthetics with software skills and technology to prepare for a career in an ever-changing field.	Demonstrate an understanding of application architecting, interface design theories, visual constructs and responsive frameworks
2021 - present		
64%	43%	64%
Fall 2023		
74%	100%	100%

Curriculum Map – Technical Certificate in Web Development			
	Program Level Objectives		
	SLO 1	SLO 2	SLO 3
Term	Demonstrate foundational programming/software skills of organization, logic, analytical thinking, and problem solving	Demonstrate learning strategies, which combine design thinking and aesthetics with software skills and technology to prepare for a career in an ever-changing field.	Demonstrate an understanding of application architecting, interface design theories, visual constructs and responsive frameworks
Fall	CIS 1023 CIS 1113 CIS 2623	CIS/ART 1803	CIS 2453
Spring	CIS 2433		CIS 2443/2663

Program Outcomes – Technical Certificate in Welding				
Program Level Objectives				
SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
Demonstrate safe and proper use of welding, cutting and grinding equipment.	Demonstrate the ability to make accurate measurements to within 1/16" tolerance using a tape measure and utilize essential mathematical concepts required in the welding, fabrication, and manufacturing industries.	Read and interpret fabrication blueprints to create layouts to specifications.	Identify and select suitable welding consumable materials and set up and operate welding equipment in such a manner as to produce a quality weld in accordance with established industry standards.	Identify the cause of various weld defects including slag inclusions, porosity, undercut and cracking.
2021 - present				
No data	No data	No data	90%	No data
Fall 2023				
				100%

Curriculum Map – Technical Certificate in Welding

Program Level Objectives

Term	SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
	Demonstrate safe and proper use of welding, cutting and grinding equipment.	Demonstrate the ability to make accurate measurements to within 1/16" tolerance using a tape measure and utilize essential mathematical concepts required in the welding, fabrication, and manufacturing industries.	Read and interpret fabrication blueprints to create layouts to specifications.	Identify and select suitable welding consumable materials and set up and operate welding equipment in such a manner as to produce a quality weld in accordance with established industry standards.	Identify the cause of various weld defects including slag inclusions, porosity, undercut and cracking.
Fall	WELD 1024				WELD 1404
Spring		TECH 1044	TECH 1032	WELD 1204	

Program Outcomes – Certificate of Proficiency in A+ Computer Technician	
Program Level Objectives	
SLO 1	SLO 2
Be employable as an entry-level computer technician, support engineer, or network administrator.	Develop a working knowledge of operating systems, computer hardware and software, mobile devices, security issues, and networking technologies.
2021 - present	
No data	50%
Fall 2023	
	83%

Curriculum Map – Certificate of Proficiency in A+ Computer Technician

Program Level Objectives

Term	SLO 1	SLO 2
	Be employable as an entry-level computer technician, support engineer, or network administrator.	Develop a working knowledge of operating systems, computer hardware and software, mobile devices, security issues, and networking technologies.
Fall		CIS 1113
Spring	CIS 1223	CIS 1313

Program Outcomes – Certificate of Proficiency in Automotive Systems Repair		
Program Level Objectives		
SLO 1	SLO 2	SLO 3
Students will express and implement all safety rules and procedures across the full scope of their field.	Students will service and repair installed systems.	Students will communicate in the proper technical terminology of the industry.
2021 - present		
89%	89%	89%
Fall 2023		
37%	100%	59%

Curriculum Map – Certificate of Proficiency in Automotive Systems Repair

Program Level Objectives

	SLO 1	SLO 2	SLO 3
Term	Students will express and implement all safety rules and procedures across the full scope of their field.	Students will service and repair installed systems.	Students will communicate in the proper technical terminology of the industry.
Fall	AUTO 1013	AUTO 1024	AUTO 1104 AUTO 1304
Spring			

Program Outcomes – Certificate of Proficiency in Cisco Networking	
Program Level Objectives	
SLO 1	SLO 2
Be employable as an entry-level computer technician, support engineer, or network administrator.	Demonstrate critical thinking, complex problem solving and collaboration.
2021 - present	
No data	88%
Fall 2023	
	100%

Curriculum Map – Certificate of Proficiency in Cisco Networking		
Program Level Objectives		
Term	SLO 1	SLO 2
	Be employable as an entry-level computer technician, support engineer, or network administrator.	Develop a working knowledge of operating systems, computer hardware and software, mobile devices, security issues, and networking technologies.
Fall		CIS 1106
Spring	CIS 1206	

Program Outcomes – Certificate of Proficiency in Criminal Justice		
Program Level Objectives		
SLO 1	SLO 2	SLO 3
Students will develop a knowledge of the Criminal Justice System.	Students will demonstrate knowledge of theories associated with the causes of crime.	Students will develop an understanding of various approaches to addressing crime.
2021 - present		
91%	73%	100%
Fall 2023		
95%		90%

Curriculum Map – Certificate of Proficiency in Criminal Justice

Program Level Objectives

	SLO 1	SLO 2	SLO 3
Term	Students will develop a knowledge of the Criminal Justice System.	Students will demonstrate knowledge of theories associated with the causes of crime.	Students will develop an understanding of various approaches to addressing crime.
Fall	CRJ 1023		CRJ 1223
Spring		CRJ 2033 CRJ 2233/CRJ 1053/EMT 1013	

Program Outcomes– Certificate of Proficiency in Graphic Design		
Program Level Objectives		
SLO 1	SLO 2	SLO 3
Demonstrate foundational design and communication skills including color theory, typography, compositional layout, information organization, creative thinking, and problem solving.	Demonstrate proficiency using industry-standard digital design software, technology and equipment including digital cameras, scanners, photo/video editing, computer illustration, online and time-based media.	Demonstrate an understanding of learning strategies, which combine design thinking and aesthetics with software skills and technology to prepare for a career in an ever-changing field.
2021 - present		
72%	62%	No data
Fall 2023		
100%	100%	

Curriculum Map – Certificate of Proficiency in Graphic Design

	Program Level Objectives		
	SLO 1	SLO 2	SLO 3
Term	Demonstrate foundational design and communication skills including color theory, typography, compositional layout, information organization, creative thinking, and problem solving.	Demonstrate proficiency using industry-standard digital design software, technology and equipment including digital cameras, scanners, photo/video editing, computer illustration, online and time-based media.	Demonstrate an understanding of learning strategies, which combine design thinking and aesthetics with software skills and technology to prepare for a career in an ever-changing field.
Fall	CIS 1703 CIS 2003	CIS 1803	
Spring		CIS 2313	CIS 2353

Program Outcomes – Certificate of Proficiency in Machining Technology		
Program Level Objectives		
SLO 1	SLO 2	SLO 3
Demonstrate ability to read and understand basic engineering drawings	Demonstrate proficiency with precision measurement tools	Exhibit ability to select, maintain, and utilize manual machining equipment
2021 - present		
No data	No data	No data
Fall 2023		
50%	100%	

Curriculum Map – Certificate of Proficiency in Machining Technology

Program Level Objectives

	SLO 1	SLO 2	SLO 3
Term	Demonstrate ability to read and understand basic engineering drawings	Demonstrate proficiency with precision measurement tools	Exhibit ability to select, maintain, and utilize manual machining equipment
Fall	MACH 1002	MACH 1004	
Spring			MACH 2004 MACH 2014

Program Outcomes – Certificate of Proficiency in Mechatronics		
Program Level Objectives		
SLO 1	SLO 2	SLO 3
Students will comprehend and communicate using standard technical and engineering terminology.	Conduct Standard tests, measurements, and experiments using appropriate instruments, settings, and tools where necessary.	Demonstrate basic computer skills, navigation, and software skills related to control systems.
2021 - present		
78%	No data	90%
Fall 2023		
88%		100%

Curriculum Map – Certificate of Proficiency in Mechatronics

Program Level Objectives

	SLO 1	SLO 2	SLO 3
Term	Students will comprehend and communicate using standard technical and engineering terminology.	Conduct Standard tests, measurements, and experiments using appropriate instruments, settings, and tools where necessary.	Demonstrate basic computer skills, navigation, and software skills related to control systems.
Fall	TECH 1004		TECH 2314
Spring	TECH 1404	TECH 2424	

Program Outcomes – Certificate of Proficiency in MIG Welding
Program Level Objectives
Identify and select suitable welding consumable materials and set up and operate welding equipment in such a manner as to produce a quality weld in accordance with established industry standards.
2021 - present
No data
Fall 2023
93%

Curriculum Map – Certificate of Proficiency in MIG Welding

Program Level Objectives

Term	Identify and select suitable welding consumable materials and set up and operate welding equipment in such a manner as to produce a quality weld in accordance with established industry standards.
Fall	WELD 1204
Spring	

Program Outcomes – Certificate of Proficiency in Programming/Mobile Development	
Program Level Objectives	
SLO 1	SLO 2
Demonstrate foundational programming skills of organization, logic, analytical thinking, and problem solving	Develop an understanding of application architecting, interface design theories, visual constructs and responsive frameworks
2021 - present	
64%	84%
Fall 2023	
100%	100%

Curriculum Map – Certificate of Proficiency in Programming/Mobile Development

Program Level Objectives

Term	SLO 1	SLO 2
	Demonstrate foundational programming skills of organization, logic, analytical thinking, and problem solving	Develop an understanding of application architecting, interface design theories, visual constructs and responsive frameworks
Fall	CIS 1023 CIS 1513	CIS 1133 CIS 2453
Spring		

Program Outcomes – Certificate of Proficiency in Web Development		
Program Level Objectives		
SLO 1	SLO 2	SLO 3
Demonstrate foundational programming/software skills of organization, logic, analytical thinking, and problem solving	Demonstrate learning strategies, which combine design thinking and aesthetics with software skills and technology to prepare for a career in an ever-changing field.	Demonstrate an understanding of application architecting, interface design theories, visual constructs and responsive frameworks
2021 - present		
86%	62%	60%
Fall 2023		
40%	100%	

Curriculum Map – Certificate of Proficiency in Web Development

Program Level Objectives

Term	SLO 1	SLO 2	SLO 3
	Demonstrate foundational programming/software skills of organization, logic, analytical thinking, and problem solving	Demonstrate learning strategies, which combine design thinking and aesthetics with software skills and technology to prepare for a career in an ever-changing field.	Demonstrate an understanding of application architecting, interface design theories, visual constructs and responsive frameworks
Fall	CIS 2623	CIS 1803	
Spring	CIS 2433	CIS 2563	CIS 2443/2663

Program Assessment – Certificate of Proficiency in Welding		
Program Level Objectives		
SLO 1	SLO 2	SLO 3
Demonstrate safe and proper use of welding, cutting and grinding equipment.	Identify and select suitable welding consumable materials and set up and operate welding equipment in such a manner as to produce a quality weld in accordance with established industry standards.	Identify the cause of various weld defects including slag inclusions, porosity, undercut and cracking.
2021 - present		
No data	90%	No data
Fall 2023		
		100%

Curriculum Map – Certificate of Proficiency in Welding			
Program Level Objectives			
Term	SLO 1	SLO 2	SLO 3
	Demonstrate safe and proper use of welding, cutting and grinding equipment.	Identify and select suitable welding consumable materials and set up and operate welding equipment in such a manner as to produce a quality weld in accordance with established industry standards.	Identify the cause of various weld defects including slag inclusions, porosity, undercut and cracking.
Fall	WELD 1024		WELD 1404
Spring		WELD 1204	

Program Assessment – Certificate of Proficiency in Marine Manufacturing	
Program Level Objectives	
SLO 1	SLO 2
Apply basic chemistry of composite materials and reactions in the workplace.	Demonstrate all safety rules and procedures across the full scope of their field.
Fall 2023	
92%	83%

Curriculum Map – Certificate of Proficiency in Marine Manufacturing		
Program Level Objectives		
Term	SLO 1	SLO 2
	Apply basic chemistry of composite materials and reactions in the workplace.	Demonstrate all safety rules and procedures across the full scope of their field.
Fall	BOAT 1003 BOAT 1204	BOAT 1013
Spring		

Program Outcomes – Technical Certificate in Marine Manufacturing

Program Level Objectives

SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
Be employable in an entry-level boat manufacturing position.	Apply basic chemistry of composite materials and reactions in the workplace.	Demonstrate use of various industry-recognized tools and equipment.	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication
Fall 2023				
	92%	83%	39%	85%

Curriculum Map – Technical Certificate in Marine Manufacturing

Program Level Objectives

Term	SLO 1	SLO 2	SLO 3
	Be employable in an entry-level boat manufacturing position.	Apply basic chemistry of composite materials and reactions in the workplace.	Demonstrate use of various industry-recognized tools and equipment.
Fall		BOAT 1003 BOAT 1204 BOAT 2314	TECH 1044 BOAT 1013
Spring	BOAT 1013 TECH 1012	BOAT 1024	

General Education Objectives

Term	SLO 4	SLO 5
	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication
Fall	MATH 1113	ENG 1003
Spring		

Program Assessment – Associate of Applied Science in Marine Manufacturing				
Program Level Objectives				
SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
Be employable in an entry-level boat manufacturing position.	Apply basic chemistry of composite materials and reactions in the workplace.	Demonstrate use of various industry-recognized tools and equipment.	Demonstrate all safety rules and procedures across the full scope of their field.	Demonstrate foundational gel coat, open molding, and closed molding skills.
Fall 2023				
37%	92%		83%	

Program Assessment – Associate of Applied Science in Marine Manufacturing			
General Education Objectives			
SLO 6	SLO 7	SLO 8	SLO 9
Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
Fall 2023			
39%	85%	90%	

Curriculum Map – Associate of Applied Science in Marine Manufacturing

Program Level Objectives

Term	SLO 1	SLO 2	SLO 3	SLO 4	SLO 5
	Be employable in an entry-level boat manufacturing position.	Apply basic chemistry of composite materials and reactions in the workplace.	Demonstrate use of various industry-recognized tools and equipment.	Demonstrate all safety rules and procedures across the full scope of their field.	Demonstrate foundational gel coat, open molding, and closed molding skills.
Fall	AUTO 1013	BOAT 1003 BOAT 1204 BOAT 2314	TECH 1044 BOAT 1104	BOAT 1013	
Spring	BOAT 1013 TECH 1012	BOAT 1024	BOAT 2324		BOAT 2014

Curriculum Map – Associate of Applied Science in Marine Manufacturing

General Education Objectives

Term	SLO 6	SLO 7	SLO 8	SLO 9
	Applications of Math and the Natural Sciences appropriate to degree or field of study	Composition and Oral Communication	Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences	Utilization of technology appropriate to degree or field of study
Fall	MATH 1113	ENG 1003	ECON 2313	
Spring		ENG 1013 COMM 1203		CIS 1053