

# PROGRAM LEARNING OUTCOMES/ CURRICULUM GRIDS/ PROGRAM ASSESSMENTS 2013-14



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# **ASSOCIATE IN SCIENCE DEGREES**



**ACCOUNTING TECHNOLOGY**

Program: AS-25020

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

1. Perform college level math computations.
2. Perform keyboarding/typewriting activities necessary for an entry level accounting position.
3. Communicate effectively in writing.
4. Demonstrate the ability to communicate verbally commensurate with an entry level management position.
5. Identify leadership skills and traits.
6. Demonstrate an understanding of our economic system.
7. Demonstrate an understanding of human relation skills.
8. Demonstrate an understanding of financial, management, and tax accounting commensurate with an entry level position in accounting.
9. Choose an appropriate course of action based on legal and ethical issues.

**ACCOUNTING TECHNOLOGY**

Program: AS-25020

**PROGRAM LEARNING OUTCOMES (PLO) - ACCOUNTING TECHNOLOGY**

	<b>Required Technical Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>	<b>PLO 9</b>
	Please enter all required technical courses within your program.	Perform college level math computations.	Perform keyboarding/typewriting activities necessary for an entry level accounting position.	Communicate effectively in writing.	Demonstrate the ability to communicate verbally commensurate with an entry level management position.	Identify leadership skills and traits.	Demonstrate an understanding of our economic system.	Demonstrate an understanding of human relation skills.	Demonstrate an understanding of financial, management, and tax accounting commensurate with an entry level position in accounting.	Choose an appropriate course of action based on legal and ethical issues.
	<b>COURSE PREFIX &amp; NUMBER</b>									
1	ACG 2001	X							X	
2	ACG 2011	X							X	
3	ACG 2100	X							X	
4	ACG 2071	X							X	
5	ACG 2450	X							X	
6	APA 2135	X							X	
7	APA 2136	X							X	
8	BUL 2241			X						X
9	CGS 1100		X							
10	CGS 1510		X							
11	ECO 2013						X			
12	GEB 1011				X	X		X		
13	TAX 2000	X							X	
	<b>ELECTIVES</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>	<b>PLO 9</b>
1	ENC 2210 or			X	X					
2	OST 1335			X	X					
	<b>GENERAL EDUCATION</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>	<b>PLO 9</b>
1	MGF 1106 or MAC 1105	X								
2	ENC 1101			X						

**ACCOUNTING TECHNOLOGY**

Program: AS-25020

**PROGRAM ASSESSMENT**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Perform college level math computations.	ACG 2011 Principles of Financial Accounting II  75% of students enrolled will score at least a 40% on the pre-test and 70% on the post- test exams.		
PLO 2: Perform keyboarding/typewriting activities necessary for an entry level accounting position.	CGS 1100 Business Applications on Microcomputers  SAM 2007 Assessment Comprehensive Final Exam with a 70% passing rate.		
PLO 3: Communicate effectively in writing.	OST 1335 Business Communications ( <i>Hulsey</i> )  80% of students will score a 75% or above on job portfolio.		
PLO 4: Demonstrate the ability to communicate verbally commensurate with an entry level management position.	ENC 2210 Introduction to Technical & Professional Writing  70% of the students will earn a 60% or more on a portfolio of seven documents utilizing the		

	elements of technical and professional writing.		
PLO 5: Identify leadership skills and traits.	GEB 1011  85% of students will score/achieve a 75% or above on business plan project, scored with rubric.		
PLO 6: Demonstrate an understanding of our economic system.	ECO 2013  70% of students enrolled will score 75% or above in a comprehensive course final.		
PLO 7: Demonstrate an understanding of human relation skills.	GEB 1011 85% of students will score/achieve a 75% or above on business plan project, scored with rubric.		
PLO 8: Demonstrate an understanding of financial, management, and tax accounting commensurate with an entry level position in accounting.	ACG 2071 Managerial Accounting & TAX 2000  ACG 2011 Principles of Financial Accounting II  75% of students enrolled will score at least a 40% on the pre-test and 70% on the post test exams.		
PLO 9: Choose an appropriate course of action based on legal and ethical issues.	BUL 2241  "80% of students will demonstrate an understanding of the legal system, issues, and analysis by passing a comprehensive exam with a 75% or higher.		





**AEROSPACE ADMINISTRATION**

Program: AS-26130

**PROGRAM LEARNING OUTCOMES**

Upon completion of the Aerospace Administration Program, the graduate will be able to:

1. Employ an understanding of basic aviation terminology and history.
2. Describe and assess efficient and prudent aviation operations practices, limitations, and procedures.
3. Explain pertinent U.S. Code of Federal Regulations Title 14, the National Transportation Safety Board (NTSB), and Transportation Security Administration (TSA).
4. Demonstrate appropriate skills and techniques of airline and airport management practices, including leadership, communications, directing, planning and controlling.
5. Explain and evaluate aviation security issues and responses.
6. Describe and demonstrate effective techniques in aviation/airline marketing, customer service/sales/distribution and reservations/ticketing.
7. Demonstrate an understanding of aviation meteorology and basic aerodynamics knowledge.
8. Demonstrate an understanding of aviation safety and human factors, including accident prevention.
9. Demonstrate an understanding of air traffic control procedures and policies.
10. Demonstrate an understanding of air cargo operations and procedures.

**AEROSPACE ADMINISTRATION**

Program: AS-26130

**PROGRAM LEARNING OUTCOMES (PLO) – Aerospace Administration**

Required Technical Courses		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10
Please enter all required technical courses within your program.		Employ an understanding of basic aviation terminology and history.	Describe and assess efficient and prudent aviation operations practices, limitations, and procedures.	Explain pertinent U.S. Code of Federal Regulations Title 14, the National Transportation Safety Board (NTSB), and the Transportation Security Administration (TSA)	Demonstrate appropriate skills and techniques of airline and airport management practices, including leadership, communications, directing, planning and controlling.	Explain and evaluate aviation security issues and responses.	Describe and demonstrate effective techniques in aviation/airline marketing, customer service/sales/distribution and reservations/ticketing.	Demonstrate an understanding of aviation meteorology and basic aerodynamics knowledge.	Demonstrate an understanding of aviation safety and human factors, including accident prevention.	Demonstrate an understanding of air traffic control procedures and policies.	Demonstrate an understanding of air cargo operations and procedures.
	<b>COURSE PREFIX &amp; NUMBER</b>										
1	ASC1010	A	X	X				A	X	A	
2	ASC1210		X					A	X	X	
3	ASC1310		X	A		X					
4	ASC2870		X						A		
5	GEB1011										
6	GEB2214										
7	CGS1100										
8	AVM1010	X	X	X	X	X	X				X
9	AVM1022		X	X		X		X	X	X	X
10	AVM2410		A	X	A	A	X		X		
11	AVM2510		X	X	A	X	A		X		A
12	ATF1601L		X	X				X	X	X	
	<b>ELECTIVES</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>	<b>PLO 9</b>	<b>PLO 10</b>
1	INP1390										
2	MAN2021										
3	MAR2011										
4	AVM2111		X	X		X	X		X		
5	AVM2120		X	X	X	X	X		X		X
6	ASC2949		X		X	X	X		X		

**AEROSPACE ADMINISTRATION**

Program: AS-26130

**PROGRAM ASSESSMENTS: AY 2015-2016**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
<p>PLO 1: Employ an understanding of basic aviation terminology and history.</p>	<p>Assessment Measure: 80% of ASC 1010 students receive passing scores on a comprehensive final exam that encompasses basic aviation terminology and history.</p>		
<p>PLO 2: Describe and assess efficient and prudent aviation operations practices, limitations, and procedures.</p>	<p>80% of AVM 2410 students will receive a passing score on a cumulative written paper and oral presentation discussing operational and safety challenges in airport management.</p>		
<p>PLO 3: Explain pertinent U.S. Code of Federal Regulations Title 14, the National Transportation Safety Board (NTSB), and the Transportation Security Administration (TSA)</p>	<p>80% of ASC 1310 students will receive a passing score on an oral presentation and summary paper which applies pertinent aviation rules and regulations to a current event in aviation.</p>		
<p>PLO 4: Demonstrate appropriate skills and techniques of airline and airport management practices, including leadership, communications, directing, planning and controlling.</p>	<p>Assessment Measure 1: 80% of AVM 2410 students receive passing scores on a cumulative final exam of airport management practices, policies, procedures, and knowledge.</p> <p>Assessment Measure 2: 80% of AVM 2510 students receive passing scores on a cumulative final exam of air carrier management practices, policies, procedures, and knowledge.</p>		

<p>PLO 5: Explain and evaluate aviation security issues and responses.</p>	<p>80% of AVM 2410 students will receive passing scores on an in-class, graded airport security vulnerability assignment.</p>		
<p>PLO 6: Describe and demonstrate effective techniques in aviation/airline marketing, customer service/sales/distribution and reservations/ticketing.</p>	<p>80% of AVM2510 students will receive passing scores on an oral presentation and summary paper including the topics of air carrier marketing, customer service, sales, distribution, reservations, and ticketing.</p>		
<p>PLO 7: Demonstrate an understanding of aviation meteorology and basic aerodynamics knowledge.</p>	<p>Assessment Measure 1: 80% of ASC 1010 students will receive passing scores on a course exam including aerodynamics.</p> <p>Assessment Measure 2: 80% of ASC 1210 students will receive a passing score on a weather briefing guide assignment which explains the process of obtaining the briefing as well as how to use that information to plan and conduct safe flight operations.</p>		
<p>PLO 8: Demonstrate an understanding of aviation safety and human factors, including accident prevention.</p>	<p>Assessment Measure 1: 80% of ASC 2870 students will receive a passing score on a cumulative course oral presentation on the topics of aviation safety, human factors, and accident prevention.</p>		
<p>PLO 9: Demonstrate an understanding of air traffic control procedures and policies.</p>	<p>Assessment Measure: 80% of ASC 1010 students will receive a passing score on course quizzes including airspace limitations, regulations, and air traffic control procedures.</p>		

PLO 10: Demonstrate an understanding of air cargo operations and procedures.	Assessment Measure: 80% of AVM 2510 students receive passing scores on the cumulative final exam which includes content in air cargo operations and procedures.		
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**BUSINESS ADMINISTRATION**

Program: AS-25031, AS-25033, AS-25032, AS-25034

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

1. Assess firm's financial results of operations to determine appropriate actions or strategies as compiled from basic journal entries, posting, and summarizing financial data from asset side of balance sheet.
2. Assess firm's financial results of operations to determine appropriate actions or strategies as compiled from basic journal entries, posting and summarizing financial data from the liability side of balance sheet.
3. Appraise outcomes of legal decisions to determine appropriate strategies
4. Understand the operation and use of computers
5. Combine word processing, spreadsheet, database and internet skills in the generation of business projects.
6. Evaluate macroeconomic environment in which businesses operate to determine appropriate actions.
7. Assess market environment in which businesses operate to determine appropriate strategies.
8. Assess financial environment in which business firms operate to determine appropriate actions.
9. Understand the various purposes and functions of business types, operations, tasks and organizations.
10. Relate well with coworkers, supervisors, subordinates and customers.
11. Integrate customer needs as the focus of business decisions.
12. Recommend appropriate strategies to reach different target markets
13. Utilize a management style that will adapt to the situation.
14. Apply legal and ethical practices to human resource management
15. Demonstrate the skills which are necessary for employment in the field of business.

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**Program: AS-25031 Management**

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1. Understand the relationship of managerial accounting to control and decision making functions of management.
  2. Use proper business terminology and practice in oral and written communication.
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**Program: AS-25033 Insurance**

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1. Demonstrate knowledge and application of insurance product and service technology.
  2. Maintain appropriate business records for an insurance agency.
  3. Demonstrate knowledge and application of insurance claims adjustments and liability.
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**Program: AS-25032 Marketing**

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1. Employ successful selling techniques.
  2. Select effective strategies to be used by retail establishments.
  3. Apply effective media alternatives to business strategies.
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**Program: AS-25034 Healthcare Administration**

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1. Use terminology unique to the healthcare industry correctly.
2. Explain the role of local, state, and federal government in healthcare delivery.
3. Examine the role of accreditation standards and payment systems on healthcare delivery.
4. Explain the importance of data analysis, quality assurance processes, and assessment methodologies in healthcare administration.
5. Recognize administrative and business functions in a healthcare setting.
6. Discuss legal and ethical issues in healthcare administration.



**BUSINESS ADMINISTRATION**

Program: AS-25031, AS-25033, AS-25032, AS-25034

PROGRAM LEARNING OUTCOMES (PLO) - Business Administration (AS)																	
Required Technical Courses		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11	PLO 12	PLO 13	PLO 14	PLO 15	
Please enter all required technical courses within your program.	Assess firm's financial results of operations to determine appropriate actions or strategies as compiled from basic journal entries, posting, and summarizing financial data from the asset side of the balance sheet.	Assess firm's financial results of operations to determine appropriate actions or strategies as compiled from basic journal entries, posting, and summarizing financial data from the liability side of balance sheet.	Appraise outcomes of legal decisions to determine appropriate strategies.	Understand the operation and use of computers.	Combine word processing, spreadsheet, database and internet skills in the generation of business projects.	Evaluate economic environment in which businesses operate to determine appropriate actions.	Assess market environment in which businesses operate to determine appropriate strategies.	Assess financial environment in which business firms operate to determine appropriate strategies.	Understand the various purposes and functions of business types, operations, tasks and organizations.	Relate well with coworkers, supervisors, subordinates and customers.	Integrate customer needs as the focus of business decisions.	Recommended appropriate strategies to reach different target markets.	Utilize a management style that will adapt to the situation.	Apply legal and ethical practices to human resource management.	Demonstrate the skills which are necessary for employment in the field of business.		
	<b>COURSE PREFIX &amp; NUMBER</b>																
1	ACG 2001	X															
2	ACG 2011		X														
3	BUL 2241			X													
4	CGS 1100				X	X											
5	ECO 2013						X										
6	ECO 2023						X	X									
7	INP 1390										X						
8	MAN 2021													X			
9	MAR 2011											X	X				
	<b>ELECTIVES</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>	<b>PLO 9</b>	<b>PLO 10</b>	<b>PLO 11</b>	<b>PLO 12</b>	<b>PLO 13</b>	<b>PLO 14</b>	<b>PLO 15</b>	
1	GEB 1011									X							
2	ENT 1000																
3	GEB 2214																
4	ENC 2210																
5	FIN 2000								X								
6	SBM 2000																

**BUSINESS ADMINISTRATION**

Program: AS-25031, AS-25033, AS-25032, AS-25034

<b>PROGRAM LEARNING OUTCOMES (PLO) - Business Administration (AS)</b>						
<b>Required Technical Courses</b>		<b>Management</b>		<b>Insurance</b>		
		<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>
Please enter all required technical courses within your program.		Understand the relationship of managerial accounting to control and decision making functions of management.	Use proper business terminology and practice in oral and written communication.	Demonstrate knowledge and application of insurance product and service technology.	Maintain appropriate business records for an insurance agency.	Demonstrate knowledge and application of insurance claims adjustments and liability.
<b>COURSE PREFIX &amp; NUMBER</b>						
	<b>MANAGEMENT</b>	<b>PLO 1</b>	<b>PLO 2</b>			
1	ACG 2071					
2	MAN 2300					
3	MAN 2941					
	<b>ELECTIVES</b>					
1	ACG 2450					
2	BUL 2131					
3	ENT 2112					
4	GEB 2350					
5	ISM 2000					
6	MAN 2440					
7	MKA 2021					
8	MKA 2041					
	<b>INSURANCE</b>			<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>
1	RMI 2616					
2	RMI 2941					
	<b>ELECTIVES</b>					
1	RMI 1613					
2	RMI 1631					
3	HSA 2117					
4	MKA 2021					
5	MAN 2300					

**BUSINESS ADMINISTRATION**

Program: AS-25031, AS-25033, AS-25032, AS-25034

**PROGRAM LEARNING OUTCOMES (PLO) - Business Administration (AS)**

Required Technical Courses	Marketing			Healthcare Administration					
	PLO 1	PLO 2	PLO 3	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6
Please enter all required technical courses within your program.	Employ successful selling techniques.	Select effective strategies to be used by retail establishments.	Apply effective media alternatives to business strategies.	Use terminology unique to the healthcare industry correctly.	Explain the role of local, state, and federal government in healthcare delivery.	Examine the role of accreditation standards and payment systems on healthcare delivery.	Explain the importance of data analysis, quality assurance processes, and assessment methodologies in healthcare administration.	Recognize administrative and business functions in a healthcare setting.	Discuss legal and ethical issues in healthcare administration.
<b>COURSE PREFIX &amp; NUMBER</b>									
	<b>MARKETING</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>					
1	MKA 2511								
2	MKA 2021								
3	MKA 2041								
4	MAR 2941								
	<b>HEALTHCARE ADMINISTRATION</b>				<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>
1	HSA 1100								
2	HSC 1531								
3	HSA 2117								
4	HSA 2941								

**BUSINESS ADMINISTRATION**

Program: AS-25031

**PROGRAM ASSESSMENT**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Assess firm's financial results of operations to determine appropriate actions or strategies as compiled from basic journal entries, posting, and summarizing financial data from the asset side of the balance sheet.	ACG 2001-Principles of Financial Accounting I  75% of students enrolled will score at least a 40% on the pre-test and 70% on the post-test exams.		
PLO 2: Assess firm's financial results of operations to determine appropriate actions or strategies as compiled from basic journal entries, posting, and summarizing financial data from the liability side of balance sheet.	ACG 2011-Principles of Financial Accounting II  75% of students enrolled will score at least a 40% on the pre-test and 70% on the post-test exams.		
PLO 3: Appraise outcomes of legal decisions to determine appropriate strategies.	BUL 2241-Business Law  "80% of students will demonstrate an understanding of the legal system, issues, and analysis by passing a comprehensive exam with a 75% or higher."		
PLO 4: Understand the operation and use of computers.	CGS 1061 Introduction to Computers and Information Systems  SAM 2007 Assessment Comprehensive Final Exam with a 70% passing rate.		
PLO 5: Combine word processing, spreadsheet, database and internet skills in the generation of business projects.	CGS 1061-Introduction to Computers and Information Systems  SAM 2007 Assessment Comprehensive Final Exam with a 70% passing rate.		
PLO 6: Evaluate economic environment in which businesses operate to determine appropriate actions.	ECO 2013-Principles of Macroeconomics 70% of students enrolled will score 75% or above in a comprehensive course final.		

PLO 7: Assess market environment in which businesses operate to determine appropriate strategies.	ECO 2023-Principles of Microeconomics 70% of students enrolled will score 75% or above in a comprehensive course final.		
PLO 8: Assess financial environment in which business firms operate to determine appropriate strategies.	FIN 2000-Principles of Finance 70% of students enrolled will score 75% or above in a comprehensive course final.		
PLO 9: Understand the various purposes and functions of business types, operations, tasks and organizations.	GEB 1011-Introduction to Business  85% of students will score/achieve a 75% or above on business plan project, scored with rubric.		
PLO 10: Relate well with coworkers, supervisors, subordinates and customers.	INP 1390-Human Relations in Business and Industry  80 % of students will score/achieve a 75% or above on instructor developed comprehensive final exam.		
PLO 11: Integrate customer needs as the focus of business decisions.	MAR 2011-Principles of Marketing  80 % of students will score/achieve a 75% or above on instructor developed comprehensive final exam.		
PLO 12: Recommend appropriate strategies to reach different target markets.	MAR 2011-Principles of Marketing  80 % of students will score/achieve a 75% or above on instructor developed comprehensive final exam.		
PLO 13: Utilize a management style that will adapt to the situation.	MAN 2021-Principles of Management  80% of students will score/achieve a 75% or above on instructor developed comprehensive final exam.		
PLO 14: Apply legal and ethical practices to human resource management.	MAN 2300-Principles of Human Resources Management  80% of students will score a 75% or above on an instructor developed comprehensive final.		

<p>PLO 15: Demonstrate the skills which are necessary for employment in the field of business.</p>	<p>Practicum for AAS Business Administration MAN 2941- Management RMI 2941 – Insurance MKA 2941- Marketing (Moore)</p> <p>100% of students will score/achieve a 90%-or above on instructor developed practicum project manual.</p>		
<p><b>Specialization: Management</b></p>			
<p>PLO 1: Understand the relationship of managerial accounting to control and decision making functions of management.</p>	<p>ACG 2071-Managerial Accounting</p> <p>75% of students enrolled will score at least a 40% on the pre-test and 70% on the post-test exams.</p>		
<p>PLO 2: Use proper business terminology and practice in oral and written communication.</p>	<p>ENC 2210 Introduction to Technical &amp; Professional Writing</p> <p>70% of the students will earn a 60% or more on a portfolio of seven documents utilizing the elements of technical and professional writing.</p>		
<p><b>Specialization: Insurance</b></p>			
<p>PLO 1: Demonstrate knowledge and application of insurance product and service technology.</p>	<p>RMI 1613-Principles of Property Insurance</p> <p>100% of students have successfully passed the RCSR (Registered Customer Service Representative) or General Lines Agent (GLA) industry certification exam.</p>		
<p>PLO 2: Maintain appropriate business records for an insurance agency.</p>	<p>RMI 1613-Principles of Property Insurance</p> <p>100% of students have successfully passed the RCSR (Registered Customer Service Representative) or General Lines Agent (GLA) industry certification exam.</p>		
<p>PLO 3: Demonstrate knowledge and application of insurance claims adjustments and liability.</p>	<p>RMI 1631-Principles of Liability &amp; Claim Adjusting: Accredited Claims Adjuster</p>		

	100% of students have successfully passed the Accredited Claims Adjuster (ACA) or General Lines Agent (GLA) industry certification exam.		
<b>Specialization: Marketing</b>			
PLO 1: Employ successful selling techniques.	MKA 2021-Principles of Selling  80 % of students will score/achieve a 75% or above on instructor developed comprehensive final project.		
PLO 2: Select effective strategies to be used by retail establishments.	MKA 2041-Principles of Retailing  80 % of students will score/achieve a 75% or above on instructor developed comprehensive final exam.		
PLO 3: Apply effective media alternatives to business strategies.	MKA 2511-Advertising  80 % of students will score/achieve a 75% or above on instructor developed comprehensive final exam.		
<b>Specialization: Healthcare Administration</b>			
PLO 1: Use terminology unique to the healthcare industry correctly.			
PLO 2: Explain the role of local, state, and federal government in healthcare delivery.			
PLO 3: Examine the role of accreditation standards and payment systems on healthcare delivery.			
PLO 4: Explain the importance of data analysis, quality assurance processes, and assessment methodologies in healthcare administration.			
PLO 5: Recognize administrative and business functions in a healthcare setting.			

PLO 6: Discuss legal and ethical issues in healthcare administration.			
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**BUSINESS OPERATIONAL MANAGEMENT**

Program: AS-25050

**PROGRAM LEARNING OUTCOMES**

After successfully completing the program, the student should be able to:

1. Apply supervision skills through the management of self and the motivation of others.
2. Understand human behavior and how it impacts the management of an organization.
3. Assess firm's financial results of operations to determine appropriate actions or strategies.
4. Demonstrate appropriate communication skills.
5. Demonstrate appropriate math skills.
6. Demonstrate appropriate understanding of basic science.
7. Demonstrate an understanding of a business enterprise and entrepreneurship.
8. Demonstrate knowledge of data-processing activities.
9. Appraise outcomes of legal decisions to determine appropriate strategies.
10. Identify, classify, and demonstrate management functions.
11. Demonstrate an understanding of technical or industrial competencies.



**BUSINESS OPERATIONAL MANAGEMENT**

Program: AS-25050

**PROGRAM LEARNING OUTCOMES (PLO) - Business Operational Management**

	<b>Required Technical Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>	<b>PLO 9</b>	<b>PLO 10</b>	<b>PLO 11</b>
	Please enter all required technical courses within your program.	Apply supervision skills through the management of self and the motivation of others.	Understand human behavior and how it impacts the management of an organization.	Assess firm's financial results of operations to determine appropriate actions or strategies.	Demonstrate appropriate communication skills.	Demonstrate appropriate math skills.	Demonstrate appropriate understanding of basic science.	Demonstrate an understanding of a business enterprise and entrepreneurship.	Demonstrate knowledge of data-processing activities.	Appraise outcomes of legal decisions to determine appropriate strategies	Identify, classify, and demonstrate management functions.	Demonstrate an understanding of technical or industrial competencies.
	<b>COURSE PREFIX &amp; NUMBER</b>											
1	GEB 1011							X				
2	MAN 2021	X									X	
3	ACG 2072			X					X			
4	CGS 1100								X			
5	MAN 2300		X									
6	OST 1335				X							
7	BUL 2241									X		
	<b>General Education Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>	<b>PLO 9</b>	<b>PLO 10</b>	<b>PLO 11</b>
1	MATH ELECTIVE					X						
2	SCIENCE ELECTIVE						X					
3	ENC 1101				X							
	<b>Elective Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>	<b>PLO 9</b>	<b>PLO 10</b>	<b>PLO 11</b>
1	INP 1390		X									
2	MAR 2011											
3	MAN 2440											
4	ENC 2210				X							
5	CGS 1510								X			
6	FIN 2000			X								
7	CGS 1061											
8	ISM 2000								X			
9	Technical Transfer								X			X

**BUSINESS OPERATIONAL MANAGEMENT**

Programs: AS-25050

**PROGRAM ASSESSMENT**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Apply supervision skills through the management of self and the motivation of others.	MAN 2021 Principles of Management ( <i>Moore</i> )  80 % of students will score/achieve a 75% or above on instructor developed comprehensive final exam.		
PLO 2: Understand human behavior and how it impacts the management of an organization.	INP 1390 Human Relations in Business and Industry ( <i>Moore</i> )  80 % of students will score/achieve a 75% or above on instructor developed comprehensive final exam.		
PLO 3: Assess firm's financial results of operations to determine appropriate actions or strategies.	ACG 2072 Accounting for Professionals ( <i>Mitchell/Woodward</i> )  Pre test Post test		
PLO 4: Demonstrate appropriate communication skills.	OST 1335 Business Communications ( <i>Hulsey</i> )  80% of students will score a 75% or above on business presentation.		
PLO 5: Demonstrate appropriate math skills	GEN ED ELECTIVE		
PLO 6: Demonstrate appropriate understanding of basic science.	GEN ED ELECTIVE		
PLO 7: Demonstrate an understanding of a business enterprise and entrepreneurship.	GEB 1011 Introduction to Business ( <i>Moore</i> )  85 % of students will score/achieve a 75% or above on business plan project, scored with rubric.		

<p>PLO8: Demonstrate knowledge of data processing activities.</p>	<p>CGS 1100 Business Applications on Microcomputers (<i>Ivey</i>)</p> <p>SAM 2007 Assessment Comprehensive Final Exam with a 70% passing rate.</p>		
<p>PLO 9: Appraise outcomes of legal decisions to determine appropriate strategies.</p>	<p>BUL 2241 Business Law (<i>Wilder</i>)</p> <p>80% of students will demonstrate mastery in the areas of legal and ethical analysis by passing a comprehensive final exam with a 75% or higher.</p>		
<p>PLO 10: Identify, classify, and demonstrate management functions.</p>	<p>MAN 2021 Principles of Management (<i>Moore</i>)</p> <p>80 % of students will score/achieve a 75% or above on instructor developed comprehensive final exam.</p>		
<p>PLO 11: Demonstrate an understanding of technical or industrial competencies.</p>	<p>Technical Transfer Cluster- Achievement of certificate from career center.</p>		

**CARDIOVASCULAR TECHNOLOGY**

Program: AS-25560

**PROGRAM LEARNING OUTCOMES**

After successfully completing the program, the student should be able to:

1. Demonstrate "technical procedure skills" necessary to assist the cardiologist during diagnostic and interventional cardiac and peripheral procedures in the cardiac catheterization lab.
2. Demonstrate basic patient care skills.
3. Demonstrate effective oral and written communication.
4. Demonstrate the "critical thinking skills" necessary to acquire the Advanced Cardiac Life Support (ACLS) certification and the Registered Cardiovascular Invasive Specialist (RCIS) credential.

**CARDIOVASCULAR TECHNOLOGY**

Program: AS-25560

<b>PROGRAM LEARNING OUTCOMES (PLO) - CARDIOVASCULAR TECHNOLOGY</b>					
	<b>Required Technical Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>
	Please enter all required technical courses within your program.	Demonstrate "technical procedure skills" necessary to assist the cardiologist during diagnostic and interventional cardiac and peripheral procedures in the cardiac catheterization lab.	Demonstrate basic patient care skills.	Demonstrate effective oral and written communication.	Demonstrate the "critical thinking skills" necessary to acquire the Advanced Cardiac Life Support (ACLS) certification and the Registered Cardiovascular Invasive Specialist (RCIS) credential.
	<b>COURSE PREFIX &amp; NUMBER</b>				
1	CVT 1000	X	X	X	X
2	CVT 2500	X		X	X
3	CVT 1261	X		X	X
4	CVT 1220	X		X	X
5	CVT 1800L				
6	CVT 2100L	X	X	X	X
7	CVT 2420C	X		X	X
8	CVT 2110L	X	X	X	X
9	CVT 2511	X		X	X
10	CVT 2120L	X	X	X	X
11	CVT 2421C	X			X
12	CVT 2843L	X	X	X	X
13	CVT 2211	X	X	X	X
14	CVT 2844L	X	X	X	X

**CARDIOVASCULAR TECHNOLOGY**

Program: AS-25560

**PROGRAM ASSESSMENT**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Demonstrate “Technical Procedure Skills” necessary to assist the cardiologist during diagnostic and interventional cardiac and peripheral procedures in the cardiac catheterization lab.	80% of students will earn 2 or higher on the essential criteria listed for the 8 final competencies required in the final clinical course CVT2844L.		
PLO 2: Demonstrate basic patient care skills.	80% of students will earn a “Satisfactory” performance on all 6 Airside Lab Competency Check-off simulations in CVT2120L.		
PLO 3: Demonstrate effective oral and written communication.	80% of students will achieve a 75% or higher on oral presentations on pre-selected interventional topics in CVT2420.		
PLO 4: Demonstrate the “Critical Thinking Skills” necessary to acquire the Advanced Cardiac Life Support (ACLS) certification and Registered Cardiovascular Invasive Specialist (RCIS) credential.	1≥100% of students will attain ACLS certification (pass/fail) during CVT2211C. 2≥80% of students will pass the Basic Science and RCIS registry review exams with 75% or better during CVT2211C.		

**COMPUTER NETWORK ENGINEERING TECHNOLOGY** – Program will be end termed effective Summer 2016.

Programs: AS-25261, AS-25264, AS-25265, AS-25266, AS-25267

## **PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

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### **Core Requirements for all Programs**

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1. Demonstrate computer network installation, maintenance and repair skills.
2. Design, install and troubleshoot a Local Area Network (LAN).
3. Describe the fundamentals of Wide Area Networking (WAN).
4. Configure Active Directory in Microsoft's Windows Server 2008 network operating system.
5. Demonstrate a knowledge of computer network security concepts and techniques.
6. Demonstrate a knowledge of basic project management concepts and management tools.
7. Perform fundamental desktop management skills using a Linux based operating system.
8. Perform fundamental desktop management skills using a current Microsoft client operating system.
9. Demonstrate a knowledge of wireless LAN.
10. Troubleshoot and repair computer hardware and software problems.
11. Configure a network infrastructure using Microsoft's Windows Server 2008 network operating system.
12. Demonstrate the skills needed to administer, maintain and troubleshoot Microsoft's Windows Server 2008 network operating system.
13. Methodology to fix switching and routing problems.

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### **Program Specialization: Cisco AS-25264**

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1. Demonstrate advanced skills required to implement and support enterprise-class switched networks with integrated voice and wireless applications.
2. Demonstrate advanced skills required to implement and support enterprise-class IP routing networks.
3. Demonstrate advanced skills required to optimize QoS in converged networks that support voice, wireless and security applications.

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### **Program Specialization: Linux AS-25265**

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1. Demonstrate skills required to configure DNS, DHCP, print services and network monitoring.

2. Implement Linux security concepts, packet filtering, VPN and intrusion detection.
  3. Install, update, manage and monitor Linux servers.
  4. Develop shell scripts and security.
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**Program Specialization: Microsoft MCITP Enterprise AS-25261**

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1. Configure, deploy and manage the applications that come with Microsoft's Windows Server 2008.
  2. Design and plan a Microsoft Windows Server 2008 Network and Active Directory infrastructure in large environments.
  3. Install and manage an Exchange Server 2007 network of servers.
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**Program Specialization: Security AS-25266**

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1. Recognize and be able to differentiate and explain different access control models.
  2. Recognize the types of malicious code and specify the appropriate action to take to mitigate vulnerability and risk.
  3. Demonstrate knowledge of security concerns and concepts of hardware devices.
  4. Demonstrate knowledge of the security concerns of different types of network media.
  5. Demonstrate knowledge of the security implications of disaster recovery.
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**Program Specialization: Wireless AS-25267**

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1. Define the characteristics of Wi-Fi technology.
2. Summarize the characteristics, basic attributes and advantages of ZigBee, WiMAX, Bluetooth, infrared technology, VoWLAN and RFID.
3. Identify proper procedures for installing and configuring common WLAN applications.
4. Identify and describe the most common wireless LAN security techniques.



**COMPUTER NETWORK ENGINEERING TECHNOLOGY**

Programs: AS-25261, AS-25264, AS-25265, AS-25266, AS-25267

PROGRAM LEARNING OUTCOMES (PLO) - Computer Networking Engineering Technology													
Required Technical Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11	PLO 12	PLO 13
Please enter all required technical courses within your program.  <b>COURSE PREFIX &amp; NUMBER</b>	Demonstrate computer network installation, maintenance, and repair skills.	Design, install, and troubleshoot a Local Area Network (LAN).	Describe the fundamentals of Wide Area Networking (WAN).	Configure Active Directory in Microsoft's Windows Server 2008 network operating system.	Demonstrate a knowledge of computer network security concepts and techniques.	Demonstrate a knowledge of basic project management concepts and management tools.	Perform fundamental desktop management skills using a Linux based operating system.	Perform fundamental desktop management skills using a current Microsoft client operating system.	Demonstrate a knowledge of wireless LAN.	Troubleshoot and repair computer hardware and software problems.	Configure a network infrastructure using Microsoft's Windows Server 2008 network operating system.	Demonstrate the skills needed to administer, maintain and troubleshoot Microsoft's Windows Server 2008 network operating system.	Methodology to fix switching and routing problems.
1	CET 1174C	X								X			
2	CTS 2110C	X								X			
3	CET 1600C		X										
4	CET 1610C			X									
5	CET 2615C												
6	CET 1162C							X					
7	CET 2346C											X	
8	CTS 1347C										X		
9	CTS 2345C				X								
10	CET 2620C												
11	CET 2660C					X			X				
12	CNT 2503												
13	CTS 2106C							X					
14	CET 2940	X	X	X	X	X	X	X	X	X	X	X	X

**COMPUTER NETWORK ENGINEERING TECHNOLOGY**

Programs: AS-25261, AS-25264, AS-25265, AS-25266, AS-25267

PROGRAM LEARNING OUTCOMES (PLO) - Computer Networking Engineering Technology								
Required Technical Courses		Cisco			Linux			
Please enter all required technical courses within your program.		PLO 1	PLO 2	PLO 3	PLO 1	PLO 2	PLO 3	PLO 4
<b>COURSE PREFIX &amp; NUMBER</b>	Demonstrate advanced skills required to implement and support enterprise-class switched networks with integrated voice and wireless applications.	Demonstrate advanced skills required to implement and support enterprise-class IP routing networks.	Demonstrate advanced skills required to optimize QoS in converged networks that support voice, wireless and security applications.	Demonstrate skills required to configure DNS, DHCP, print services and network monitoring.	Implement Linux security concepts, packet filtering, VPN and intrusion detection.	Install, update, manage and monitor Linux servers.	Develop shell scripts.	
	<b>CISCO</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>				
1	CET 2626C	X						
2	CET 2627C			X				
3	CET 2628C			X				
	<b>LINUX</b>				<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>
1	CTS 2321				X			
2	CTS 2322					X		
3	CTS 2301						X	

**COMPUTER NETWORK ENGINEERING TECHNOLOGY**

Programs: AS-25261, AS-25264, AS-25265, AS-25266, AS-25267

PROGRAM LEARNING OUTCOMES (PLO) – Computer Network Engineering Technology													
Required Technical Courses		Microsoft MCITP Enterprise			Security					Wireless			
		PLO 1	PLO 2	PLO 3	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 1	PLO 2	PLO 3	PLO 4
Please enter all required technical courses within your program.													
<b>COURSE PREFIX &amp; NUMBER</b>		Configure, deploy and manage the applications that come with Microsoft's Windows Server 2008	Design and plan a Microsoft Windows Server 2008 Network and Active Directory infrastructure in large environments	Install and manage an Exchange Server 2007 network of servers.	Recognize and be able to differentiate and explain different access control models.	Recognize the types of malicious code and specify the appropriate action to take to mitigate vulnerability and risk.	understand security concerns and concepts of hardware devices.	Understand the security concerns of different types of network media.	Understand the security implications of disaster recovery.	Define the characteristics of Wi-Fi technology.	Summarize the characteristics, basic attributes and advantages of ZigBee, WiMAX, Bluetooth, infrared technology, VoWLAN, and RFID.	Identify proper procedures for installing and configuring common WLAN applications.	Identify and describe the most common wireless LAN security techniques.
<b>MICROSOFT MCITP ENTERPRISE</b>		<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>									
1	CTS 2342C		X										
2	CTS 2339C			X									
3	CTS 2343C	X											
<b>SECURITY</b>					<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>				
1	CNT 2405C						X						
2	CTS 2314C					X							
3	CET 2691C								X				
<b>WIRELESS</b>										<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>
1	CET 2850C									X	X		
2	CNT 2510C												X
3	CNT 2511C											X	

**COMPUTER NETWORK ENGINEERING TECHNOLOGY**

Programs: AS-25261, AS-25264, AS-25265, AS-25266, AS-25267

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Demonstrate computer network installation, maintenance, and repair skills.	80% of students in CET1174C and CTS2110C will successfully complete all final competency examinations and pass the CompTIA A+ certification.		
PLO 2: Design, install, and troubleshoot a Local Area Network (LAN).	80% of students in CET1600C will successfully complete the skill based final and the written final as defined by the Cisco Academy.		
PLO 3: Describe the fundamentals of Wide Area Networking (WAN).	80% of students in CET1610C will successfully complete the skill based final and the written final as defined by the Cisco Academy.		
PLO 4: Configure Active Directory in Microsoft's Windows Server 2008 network operating system.	80% of students in CTS2345C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 5: Demonstrate a knowledge of computer network security concepts and techniques.	80% of students in CET2660C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 6: Demonstrate a knowledge of basic project management concepts and management tools.	80% of students in CGS1103 will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 7: Perform fundamental desktop management skills using a Linux based operating system.	80% of students in CTS 2106C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 8: Perform fundamental desktop management skills using a current Microsoft client operating system.	80% of students in CTS 1162C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		

PLO 9: Demonstrate a knowledge of wireless LAN.	80% of students in CET 1854C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 10: Troubleshoot and repair computer hardware and software problems.	80% of students in CET 1174C and CTS 2110C will successfully complete all final competency examinations and pass the CompTIA A+ certification.		
PLO 11: Configure a network infrastructure using Microsoft's Windows Server 2008 network operating system.	80% of students in CTS 1347C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 12: Demonstrate the skills needed to administer, maintain and troubleshoot Microsoft's Windows Server 2008 network operating system.	80% of students in CTS 2346C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 13: Methodology to fix switching and routing problems.			
<b>Specialization: Cisco</b>			
PLO 1: Demonstrate advanced skills required to implement and support enterprise-class switched networks with integrated voice and wireless applications.			
PLO 2: Demonstrate advanced skills required to implement and support enterprise-class IP routing networks.			
PLO 3: Demonstrate advanced skills required to optimize QoS in converged networks that support voice, wireless and security applications.			
<b>Specialization: Linux</b>			
PLO 1: Demonstrate skills required to configure DNS, DHCP, print services and network monitoring.	80% of students in CTS 1321 will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		

PLO 2: Implement Linux security concepts, packet filtering, VPN and intrusion detection.	80% of students in CTS 2322 will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 3: Install, update, manage and monitor Linux servers.	80% of students in CTS 2301 will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 4: Develop shell scripts and security.	80% of students in CTS 2311 will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
<b>Specialization: Microsoft MCITP Enterprise</b>			
PLO 1: Configure, deploy and manage the applications that come with Microsoft's Windows Server 2008.	80% of students in CTS 2343C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 2: Design and plan a Microsoft Windows Server 2008 Network and Active Directory infrastructure in large environments.	80% of students in CTS 2342C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 3: Install and manage an Exchange Server 2007 network of servers.	80% of students in CTS 2339C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
<b>Specialization: Security</b>			
PLO 1: Recognize and be able to differentiate and explain different access control models.	80% of students in CET 2662C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 2: Recognize the types of malicious code and specify the appropriate action to take to mitigate vulnerability and risk.	80% of students in CTS 2314C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 3: Demonstrate knowledge of security concerns and concepts of hardware devices.	80% of students in CNT 2405C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 4: Demonstrate knowledge of the security	80% of students in CET 2662C will attain 75% proficiency in a		

concerns of different types of network media.	comprehensive hands-on final exam and comprehensive final written exam.		
PLO 5: Demonstrate knowledge of the security implications of disaster recovery.	80% of students in CET 2691C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
<b>Specialization: Wireless</b>			
PLO 1: Define the characteristics of Wi-Fi technology.	80% of students in CET 2850C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 2: Summarize the characteristics, basic attributes and advantages of ZigBee, WiMAX, Bluetooth, infrared technology, VoWLAN, and RFID.	80% of students in CET 2850C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 3: Identify proper procedures for installing and configuring common WLAN applications.	80% of students in CNT 2511C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 4: Identify and describe the most common wireless LAN security techniques.	80% of students in CNT 2510C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		

**COMPUTER SYSTEMS AND BUSINESS ANALYSIS**

Program: AS-25240

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

1. Communicate effectively in both written and spoken format using a variety of communication methods appropriate for the corporate setting.
2. Interact with the Windows operating system to use the hardware and application software of a computer system.
3. Demonstrate proficiency with file management and structure.
4. Demonstrate personal computing skills with productivity software applications such as word processing, spreadsheet, and database management and presentation software.
5. Develop computer programs using a current, industry-standard computer programming language.
6. Apply standard database functions in the creation of tables, queries, forms and reports.
7. Demonstrate an understanding of testing protocols and system development lifecycles.
8. Employ business intelligence tools to improve efficiency in solving business problems.
9. Demonstrate an understanding of general business concepts.



**COMPUTER SYSTEMS AND BUSINESS ANALYSIS**

Program: AS-25240

**PROGRAM LEARNING OUTCOMES (PLO) - COMPUTER SYSTEMS AND BUSINESS ANALYSIS**

Required Technical Courses		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9
Please enter all required technical courses within your program.		Communicate effectively in both written and spoken format using a variety of communication methods appropriate for the corporate setting.	Interact with the Windows operating system to use the hardware and application software of a computer system.	Demonstrate proficiency with file management and structure.	Demonstrate personal computing skills with productivity software applications such as word processing, spreadsheet, and database management and presentation software.	Develop computer programs using a current, industry-standard computer programming language.	Apply standard database functions in the creation of tables, queries, forms and reports.	Demonstrate an understanding of testing protocols and system development lifecycles.	Employ business intelligence tools to improve efficiency in solving business problems.	Demonstrate an understanding of general business concepts.
COURSE PREFIX & NUMBER										
1	ACG 2072				X		X			X
2	CEN 2071							X	X	
3	CGS 1100	X	X	X	X		X			X
4	CIS 2321		X							X
5	COP 1000									
6	COP 1170					X				
7	CTS 1102		X		X	X				
8	CTS 1441			X			X			
9	CTS 2433					X				
10	CTS 2442			X			X			
11	CTS 2450								X	
12	ENC 2210	X								
13	GEB 1011									X
14	OST 1355			X			X			X
ELECTIVES		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9
1	COP 2224					X				
2	COP 2800					X				

**COMPUTER SYSTEMS AND BUSINESS ANALYSIS**

Program: AS-25240

**PROGRAM ASSESSMENT**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
<p>PLO 1: Communicate effectively in both written and spoken format using a variety of communication methods appropriate for the corporate setting.</p>	<p>ENC 2210 Introduction to Technical &amp; Professional Writing</p> <p>70% of the students will earn a 60% or more on a portfolio of seven documents utilizing the elements of technical and professional writing.</p>		
<p>PLO 2: Interact with the Windows operating system to use the hardware and application software of a computer system.</p>	<p>CTS 1102 Survey of Operating Systems Technologies</p> <p>70% of the students will earn a 70% or higher on the comprehensive final exam.</p>		
<p>PLO 3: Demonstrate proficiency with file management and structure.</p>	<p>OST 1355 Records Management</p> <p>70% of the students will earn a 90% or higher on the Comprehensive Final Exam that includes all file management rules.</p>		
<p>PLO 4: Demonstrate personal computing skills with productivity software applications such as word processing, spreadsheet, and database management and presentation software.</p>	<p>CGS 1100 Business Applications on Microcomputers</p> <p>70% of the students will earn a 70% or higher on the SAM 2007 Assessment Comprehensive Business Apps. Final Exam for general MS applications.</p>		
<p>PLO 5: Develop computer programs using a current, industry-standard computer programming language.</p>	<p>COP 1006 Introduction to Programming</p> <p>70% of the students will earn a 70% or higher on the Comprehensive Final Exam (includes three programming languages).</p>		

<p>PLO 6: Apply standard database functions in the creation of tables, queries, forms and reports.</p>	<p>CTS 1441 Database Fundamentals</p> <p>70% of the students will earn a 70% or higher on the SAM 2007 Assessment Comprehensive Final Exam for databases.</p>		
<p>PLO 7: Demonstrate an understanding of testing protocols and system development lifecycles.</p>	<p>CIS 2321 System Analysis</p> <p>70% of the students will earn a 70% or higher on the SAM 2007 Assessment Comprehensive System Analysis Final Exam.</p>		
<p>PLO 8: Employ business intelligence tools to improve efficiency in solving business problems.</p>	<p>CTS 2450 Business Intelligence &amp; Data Mining</p> <p>70% of the students will earn a 70% or higher on a <b>comprehensive project scored with a rubric.</b></p>		
<p>PLO 9: Demonstrate an understanding of general business concepts.</p>	<p>GEB 1011 Introduction to Business</p> <p>85 % of students will score/achieve a 75% or above on business plan project, scored with rubric.</p>		

**CRIMINAL JUSTICE TECHNOLOGY**

Program: AS-25900

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

1. Demonstrate knowledge and understanding of the criminal justice system and the principles of criminology.
2. Identify and discuss criminal investigation procedures to include evidence and rules of evidence.
3. Describe the field of corrections and juvenile delinquency.
4. Explain the role of law enforcement administration in the criminal justice profession.
5. Demonstrate understanding of law enforcement operational procedures.
6. Interpret criminal and constitutional law to include significant case rulings affecting the criminal justice system.
7. Identify issues relating to human diversity in the criminal justice system.

**CRIMINAL JUSTICE TECHNOLOGY**

Program: AS-25900

PROGRAM LEARNING OUTCOMES (PLO) - CRIMINAL JUSTICE TECHNOLOGY								
	Required Technical Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7
	Please enter all required technical courses within your program.	Demonstrate knowledge and understanding of the criminal justice system and the principles of criminology.	Identify and discuss criminal investigation procedures to include evidence and rules of evidence.	Describe the field of corrections and juvenile delinquency.	Explain the role of law enforcement administration in the criminal justice profession.	Demonstrate understanding of law enforcement operational procedures.	Interpret criminal and constitutional law to include significant case rulings affecting the Criminal Justice system.	Identify issues relating to human diversity in the Criminal Justice system.
	<b>COURSE PREFIX &amp; NUMBER</b>							
1	CCJ 1001	X	X	X	X	X		R
2	CCJ 1020	R	X	X	X	X		X
3	CCJ 1500	X	X	X			X	X
4	CCJ 2452	X	X		R	X		X
5	CGS 1061C		X					
6	CJC 1000	X	X	R	X	X		X
7	CJE 1130	X	R	X	X	X	X	X
8	CJE 2003	X	X	X	X	X		X
9	CJE 2331	X	X					X
10	CJL 1062	X	X	X			R	X
11	CJL 1100	X	X	X			R*	X
12	CJL 2130	X	X	X		R	X	X
13	POS 1112	X			X	X		
14	POS 2041	X				X		
15	SYG 2000							X
	<b>ELECTIVES</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>
1	ENC 2210		X					
3	SPC 1608					X		
4	CCJ 2932	X	X	X	X	X	X	X
5	CJC 2005	X	X	X	X	X	X	X
6	CJC 2162	X	X	X	X	X	X	X
7	CJE 2640	X	X	X	X	X	X	X

\* Program learning outcome assessed in CJL 1100.

**CRIMINAL JUSTICE TECHNOLOGY**

Program: AS-25900

**PROGRAM ASSESSMENT**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Demonstrate knowledge and understanding of the criminal justice system and the principles of criminology.	At least 80% of CCJ1020 students will demonstrate at least 70% proficiency on the comprehensive final exam.		
PLO 2: Identify and discuss criminal investigation procedures to include evidence and rules of evidence.	At least 80% of the CJE 1130 students will demonstrate at least 70% proficiency on the comprehensive final exam.		
PLO 3: Describe the field of corrections and juvenile delinquency.	At least 80% of the CJC 1000 students will demonstrate at least 70% proficiency on the comprehensive final exam.		
PLO 4: Explain the role of law enforcement administration in the criminal justice profession.	At least 80% of the CCJ 2452 students will demonstrate at least 70% proficiency on the comprehensive final exam.		
PLO 5: Demonstrate understanding of law enforcement operational procedures.	At least 80% of the CJL 2130 students will demonstrate at least 70% proficiency on the comprehensive final exam.		
PLO 6: Interpret criminal and constitutional law to include significant case rulings affecting the Criminal Justice system.	At least 80% of the CJL 1100 students will demonstrate at least 70% proficiency on the comprehensive final exam.		
PLO 7: Identify issues relating to human diversity in the Criminal Justice system.	At least 80% of the CCJ 1001 students will demonstrate at least 70% proficiency on the comprehensive final exam.		

**DIAGNOSTIC MEDICAL SONOGRAPHY**

Program: AS-25590

**PROGRAM LEARNING OUTCOMES**

Students will be able to:

1. Demonstrate professional judgment, ethical standards, and critical thinking skills expected of an entry level sonographer.
2. Communicate effectively in both oral and written formats.
3. Competently practice basic patient care skills.
4. Demonstrate correct ergonomic scanning techniques.
5. Identify normal and abnormal anatomy in the general concentration of ABD and OB/GYN Sonography.
6. Demonstrate knowledge and understanding of sonographic principles and instrumentation.
7. Describe and discuss importance of professional development through continuing education.

**DIAGNOSTIC MEDICAL SONOGRAPHY**

Program: AS-25590

PROGRAM LEARNING OUTCOMES (PLO) - DIAGNOSTIC MEDICAL SONOGRAPHY								
Required Technical Courses		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7
Please enter all required technical courses within your program.		Demonstrate professional judgment, ethical standards, and critical thinking skills expected of an entry level sonographer.	Communicate effectively in both oral and written formats.	Competently practice basic patient care skills.	Demonstrate correct ergonomic scanning techniques.	Identify normal and abnormal anatomy in the general concentration of ABD and OB/GYN Sonography.	Demonstrate knowledge and understanding of sonographic principles and instrumentation.	Describe and discuss importance of professional development through continuing education.
COURSE PREFIX & NUMBER								
1	SON 1000	X	X	X	X			X
2	SON 1100C	X	X	X	X	X	X	
3	SON 1111C	X	X	X	X	X		
4	SON 1112C	X	X	X	X	X		
5	SON 1121C	X	X	X	X	X		
6	SON 2122C	X	X			X		
7	SON 1211						X	
8	SON 1212						X	
9	SON 2150	X	X			X		
10	SON 2061	X	X	X	X	X	X	X
11	SON 1804L	X	X	X	X	X	X	X
12	SON 2814L	X	X	X	X	X	X	
13	SON 2842L	X	X	X	X	X	X	
14	SON 2834L	X	X	X	X	X	X	
15	SON 2762					X		
Foundation Courses		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7
1	PHY 2001C						X	
2	HSC 1531		X					



**DIAGNOSTIC MEDICAL SONOGRAPHY**

Program: AS-25590

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO1: Demonstrate professional judgment, ethical standards, and critical thinking skills expected of an entry level sonographer.	80% of students in SON2834L will successfully complete all final competencies examinations.		
PLO 2: Demonstrate ability to utilize oral and written communication.	80% of students in SON2061 will attain 80% proficiency in final case study presentation.		
PLO 3: Demonstrate ability to practice basic patient care skills.	80% of students in SON2061 will attain 80% proficiency in final patient care lab assignment.		
PLO 4: Demonstrate correct ergonomic scanning techniques.	80% of students in SON1000 and SON1100C will attain 75% proficiency in scanning simulations.		
PLO 5: Demonstrate ability to identify normal and abnormal anatomy in the general concentration of ABD and OB/GYN Sonography.	80% of students in SON1112C will attain 75% proficiency on final comprehensive exam.		
PLO 6: Demonstrate knowledge and understanding of Sonographic principles and instrumentation.	80% of students in SON1212 will attain 75% proficiency on final comprehensive exam.		
PLO 7: Describe and discuss importance of professional development through continuing education.	80% of students in SON1000 will attain 75% proficiency on written paper and oral presentation.		

**DIGITAL MEDIA TECHNOLOGY**

Programs: AS-25843, AS-25842, AS-28541

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

1. Incorporate principles of good design, composition, lighting, interactivity, usability, typography, artistry, creativity, and aesthetics using appropriate tools and techniques to produce pleasing products.
2. Develop targeted messages and use industry-standard tools to create, manage, and communicate that message using appropriate formats, channels, and messaging techniques.
3. Collaborate within a multimedia team or group in a manner that demonstrates good soft skills, pleasing attitude, clarity of thought, and mutual respect to produce a common output that provides good aesthetic appeal and conforms to industry standards.
4. Create, manipulate, manage, and distribute digital media using existing and emerging technologies that conform to industry standards of good design.
5. Use multimedia tools for web, video, audio, imaging, animation, and programming to create products that meet clients' requirements and conform to good standards of design, usability, and visual appeal.
6. Critique the process of communications history, ethics, and mass media to evaluate their current effects on communications and technology.
7. Employ good business and technology practices to evaluate project needs and resources, manage project workflows and deliverables, and market finished products or capabilities.

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**Specialization: Graphic Design AS-25843**

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1. Use principles of good design, color, space, layout, composition, aesthetics, lighting, and originality to create, modify, produce and deliver effective visual communication.
2. Use a variety of tools including industry standard software and computer equipment to plan, develop, and produce interesting, strategic, thoughtful visual imagery that effectively communicates intended ideas to a target audience in a professional manner that meets the needs of clients.

3. Work with a team or individually in a manner that demonstrates ability to meet deadlines, adhere to relevant and copyright guidelines and professional ethics to complete myriad digital design elements and projects suitable for print, web, and other channels optimized for visual display.

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**Specialization: Video Production AS-25842**

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1. Use industry standard imaging, video, and sound editing tools and software to develop, edit, and produce excellent video and multimedia output that meet clients' requirements, conform to good standards of digital video and storytelling, and effectively communicate intended ideas to a target audience in a professional manner.
2. Demonstrate knowledge of technical jargon, industry terms, storytelling techniques, storyboard development, budgetary concerns, planning, shooting schedules, and visual communication for video and sound planning, production, postproduction, and delivery.
3. Work with a team or individually in a manner that demonstrates ability to meet deadlines, adhere to relevant legal and copyright guidelines and professional ethics to complete myriad videos suitable for web, television, advertising and other channels optimized for visual display.

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**Specialization: Web Production AS-25841**

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1. Use principles of good design, color, space, layout, composition, aesthetics, usability, interactivity and originality to create, modify, or deliver effective visual communication.
2. Use multimedia and design tools for web, video, audio, imaging, animation, and programming to create products that meet clients' requirements, conform to good standards of design, usability, interactivity, and visual appeal, and effectively communicate intended ideas to a target audience in a professional manner.
3. Work with a team or individually in a manner that demonstrates ability to meet deadlines, adhere to relevant legal and copyright guidelines and professional ethics to complete myriad digital, web, and multimedia design elements and projects suitable for print, web, and other channels optimized for visual and web displays.

**DIGITAL MEDIA TECHNOLOGY**

Program: AS-25843, AS-25842, AS-25841

**PROGRAM LEARNING OUTCOMES (PLO) – Digital Media Technology**

Required Technical Courses		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7							
Please enter all required technical courses within your program.		Incorporate principles of good design, composition, lighting, interactivity, usability, typography, artistry, creativity, and aesthetics using appropriate tools and techniques to produce pleasing products.	Develop targeted messages and use industry-standard tools to create, manage, and communicate that message using appropriate formats, channels, and messaging techniques.	Collaborate within a multimedia team or group in a manner that demonstrates good soft skills, pleasing attitude, clarity of thought, and mutual respect to produce a common output that provides good aesthetic appeal and conforms to industry standards.	Create, manipulate, manage, and distribute digital media using existing and emerging technologies that conform to industry standards of good design.	Use multimedia tools for web, video, audio, imaging, animation, and programming to create products that meet clients' requirements and conform to good standards of design, usability, and visual appeal.	Critique the process of communications history, ethics, and mass media to evaluate their current effects on communications and technology.	Employ good business and technology practices to evaluate project needs and resources, manage project workflows and deliverables, and market finished products or capabilities.							
<b>COURSE PREFIX &amp; NUMBER</b>															
1	ART 1201C								X	X					
2	CGS 2820C								X	X	X		M		X
3	DIG 2000								X	X	X	X		X	M
4	DIG 2030C								X	M	X	X	X		X
5	DIG 2109C								X	X		M	X		
6	DIG 2430C									X	M		X		X
7	DIG 2500C								X	X	X		X		
8	DIG 2940								X	X		X	X		X
9	MMC 1000			X			M								
10	PGY 2801C	M	X		X	X									

**DIGITAL MEDIA TECHNOLOGY**

Programs: AS-25843, AS-25842, AS-25841

<b>PROGRAM LEARNING OUTCOMES (PLO) – Digital Media Technology</b>				
<b>Required Technical Courses</b>		<b>Graphic Design Specialization</b>		
Please enter all required technical courses within your program.		<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>
<b>COURSE PREFIX &amp; NUMBER</b>		Use principles of good design, color, space, layout, composition, aesthetics, lighting, and originality to create, modify, produce and deliver effective visual communication.	Use a variety of tools including industry standard software and computer equipment to plan, develop, and produce interesting, strategic, thoughtful visual imagery that effectively communicates intended ideas to a target audience in a professional manner that meets the needs of clients.	Work with a team or individually in a manner that demonstrates ability to meet deadlines, adhere to relevant and copyright guidelines and professional ethics to complete myriad digital design elements and projects suitable for print, web, and other channels optimized for visual display.
<b>GRAPHIC DESIGN</b>		<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>
1	GRA 1206C	X	X	X
2	GRA 2156C	X	M	X
3	GRA 2120C	M	X	
4	DIG 2341C	X	X	X
<b>ELECTIVES</b>				
1	GRA 2207C	X	X	X
2	PGY 2802C	X	X	M

**DIGITAL MEDIA TECHNOLOGY**

Programs: AS-25843, AS-25842, AS-25841

PROGRAM LEARNING OUTCOMES (PLO) – Digital Media Technology							
Required Technical Courses		Video Production Specialization			Web Production Specialization		
Please enter all required technical courses within your program.		PLO 1	PLO 2	PLO 3	PLO 1	PLO 2	PLO 3
<b>COURSE PREFIX &amp; NUMBER</b>		Use industry standard imaging, video, and sound editing tools and software to develop, edit, and produce excellent video and multimedia output that meet clients' requirements, conform to good standards of digital video and storytelling, and effectively communicate intended ideas to a target audience in a professional manner.	Demonstrate knowledge of technical jargon, industry terms, storytelling techniques, storyboard development, budgetary concerns, planning, shooting schedules, and visual communication for video and sound planning, production, postproduction, and delivery.	Work with a team or individually in a manner that demonstrates ability to meet deadlines, adhere to relevant legal and copyright guidelines and professional ethics to complete myriad videos suitable for web, television, advertising and other channels optimized for visual display.	Use principles of good design, color, space, layout, composition, aesthetics, usability, interactivity and originality to create, modify, or deliver effective visual communication.	Use multimedia and design tools for web, video, audio, imaging, animation, and programming to create products that meet clients' requirements, conform to good standards of design, usability, interactivity, and visual appeal, and effectively communicate intended ideas to a target audience in a professional manner.	Work with a team or individually in a manner that demonstrates ability to meet deadlines, adhere to relevant legal and copyright guidelines and professional ethics to complete myriad digital, web, and multimedia design elements and projects suitable for print, web, and other channels optimized for visual and web displays.
		<b>VIDEO PRODUCTION</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>		
1	DIG 2284C	M	X	M			
2	DIG 2292C	X	M	X			
3	DIG 2330C	X	X	X			
4	DIG 2341C	X	X				
<b>ELECTIVES</b>							
1	MAR 2011			X			
2	PGY 2802C	X	X				
<b>WEB PRODUCTION</b>					<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>
1	CGS 2800C				X	X	M
2	COP 2801				X	X	
3	DIG 2751C				M	M	X
4	GRA 1206C				X		X
<b>ELECTIVES</b>							
1	MAR 2011						X

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2	PGY 2802C				X	X	X
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**DIGITAL MEDIA TECHNOLOGY**

Programs: AS-25843, AS-25842, AS-28541

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
<p>PLO 1: Incorporate principles of good design, composition, lighting, interactivity, usability, typography, artistry, creativity, and aesthetics using appropriate tools and techniques to produce pleasing products.</p>	<p>Benchmark: 80% of students must pass final exam with a grade of 70% or higher.</p> <p>Additionally, all students must have at least two manipulated digital images suitable for display in a portfolio.</p>		
<p>PLO 2: Develop targeted messages and use industry-standard tools to create, manage, and communicate that message using appropriate formats, channels, and messaging techniques.</p>	<p>Benchmark: 80% of students will create a finished video product that meets all requirements of this PLO and receives a final grade of 70% or higher.</p>		
<p>PLO 3: Collaborate within a multimedia team or group in a manner that demonstrates good soft skills, pleasing attitude, clarity of thought, and mutual respect to produce a common output that provides good aesthetic appeal and conforms to industry standards.</p>	<p>Benchmark: 80% of students will work together in teams to produce a finished video product from on a well-developed script that meets all requirements of this PLO and receives a grade of 70% or higher.</p>		
<p>PLO 4: Create, manipulate, manage, and distribute digital media using existing and emerging technologies that conform to industry standards of good design.</p>	<p>Benchmark: 80% of students must pass final exam with a grade of 70% or higher.</p>		
<p>PLO 5: Use multimedia tools for web, video, audio, imaging, animation, and programming to create products that meet clients' requirements and conform to good standards of design, usability, and visual appeal.</p>	<p>Benchmark: 80% of students must create a contemporary website that meets high standards of visual appeal and usability and earns a grade of 70% or higher.</p>		



PLO 6: Critique the process of communications history, ethics, and mass media to evaluate their current effects on communications and technology.	Benchmark: 80% of students must pass final exam with a grade of 70% or higher.		
PLO 7: Employ good business and technology practices to evaluate project needs and resources, manage project workflows and deliverables, and market finished products or capabilities.	Benchmark: 80% of students must pass final exam with a grade of 70% or higher.		
<b>Specialization: Graphic Design</b>			
PLO 1: Use principles of good design, color, space, layout, composition, aesthetics, lighting, and originality to create, modify, produce and deliver effective visual communication.	Benchmark: 80% of students will create a minimum of two products for print and or web that meets the requirement of good design and effective communication and earns a grade of 70% or higher.		
PLO 2: Use a variety of tools including industry standard software and computer equipment to plan, develop, and produce interesting, strategic, thoughtful visual imagery that effectively communicates intended ideas to a target audience in a professional manner that meets the needs of clients.	Benchmark: 80% of students must produce two or more finished images that were manipulated using standard software and considered effective visual imagery and earns a grade of 70% or higher.		
PLO 3: Work with a team or individually in a manner that demonstrates ability to meet deadlines, adhere to relevant and copyright guidelines and professional ethics to complete myriad digital design elements and projects suitable for print, web, and other channels optimized for visual display.	Benchmark: 80% of students must manipulate three or more photographic images to create a pleasing finished product that earns a grade of grade of 70% or higher.		

<b>Specialization: Video Production</b>			
PLO 1: Use industry standard imaging, video, and sound editing tools and software to develop, edit, and produce excellent video and multimedia output that meet clients' requirements, conform to good standards of digital video and storytelling, and effectively communicate intended ideas to a target audience in a professional manner.	Benchmark: 80% of students must produce one finished video that meets good standards of storytelling, is interesting, includes advanced techniques such as special effects, and earns a grade of 70% or higher.		
PLO 2: Demonstrate knowledge of technical jargon, industry terms, storytelling techniques, storyboard development, budgetary concerns, planning, shooting schedules, and visual communication for video and sound planning, production, postproduction, and delivery.	Benchmark: 80% of students must produce one finished video using a script and defined budget and schedule that meets good standards of storytelling, is interesting, and earns a grade of 70% or higher.		
PLO 3: Work with a team or individually in a manner that demonstrates ability to meet deadlines, adhere to relevant legal and copyright guidelines and professional ethics to complete myriad videos suitable for web, television, advertising and other channels optimized for visual display.	Benchmark: 80% of students must work within a team and contribute substantially to the production of one finished video that meets good standards of storytelling and earns a grade of 70% or higher		
<b>Specialization: Web Production</b>			
PLO 1: Use principles of good design, color, space, layout, composition, aesthetics, usability, interactivity and originality to create, modify, or deliver effective visual communication.	Benchmark: 80% of students will produce a visually pleasing website that is easy to navigate and earns a grade of 70% or higher.		
PLO 2: Use multimedia and design tools for web, video, audio, imaging, animation, and programming to create products that meet clients' requirements, conform to good standards of design, usability,	Benchmark: 80% of students will produce a visually pleasing website that is easy to navigate and earns a grade of 70% or higher.		

<p>interactivity, and visual appeal, and effectively communicate intended ideas to a target audience in a professional manner.</p>			
<p>PLO 3: Work with a team or individually in a manner that demonstrates ability to meet deadlines, adhere to relevant legal and copyright guidelines and professional ethics to complete myriad digital, web, and multimedia design elements and projects suitable for print, web, and other channels optimized for visual and web displays.</p>	<p>Benchmark: 80% of students will work within a team and contribute substantially to the development of a visually appealing website for business or e-commerce that includes an online payment system and earns a grade of 70% or higher.</p>		

**EARLY CHILDHOOD EDUCATION AND MANAGEMENT**

Program: AS-25320

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

1. Compare various types of early childhood education and care programs.
2. Explain developmental tasks relative to the various stages of development of young children.
3. Plan a developmentally/culturally appropriate program curriculum inclusive of activities that facilitate principles and processes of child development to enhance the whole child.
4. Use appropriate guidance and classroom management techniques.
5. Create a system of on-going observation, assessment, and documentation.
6. Design a safe, clean, and healthy learning environment while supporting state/local regulations and accreditation standards to maintain a quality program.
7. Build ongoing communication and alliances with staff, families, programs and other community resources.
8. Describe major components of a sound business management plan.
9. Execute a commitment to professional and ethical standards by demonstrating leadership, organizational skills and focusing on effective written and oral communication.
10. Assemble appropriate observation techniques with regards to special needs criteria through observation, assessment and documentation.

**EARLY CHILDHOOD EDUCATION AND MANAGEMENT**

Program: AS-25320

PROGRAM LEARNING OUTCOMES (PLO) - EARLY CHILDHOOD EDUCATION AND MANAGEMENT											
Required Technical Courses		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10
Please enter all required technical courses within your program.	COURSE PREFIX & NUMBER	Compare various types of early childhood education and care programs.	Explain developmental tasks relative to the various stages of development of young children.	Plan a developmentally/culturally appropriate program curriculum inclusive of activities that facilitate principles and processes of child development to enhance the whole child.	Use appropriate guidance and classroom management techniques.	Create a system of on-going observation, assessment and documentation.	Design a safe, clean, and healthy learning environment while supporting state/local regulations and accreditation standards to maintain a quality program.	Build ongoing communication and alliances with staff, families, programs and other community resources.	Describe major components of a sound business management plan.	Execute a commitment to professional and ethical standards by demonstrating leadership, organizational skills and focusing on effective written and oral communication.	Assemble appropriate observation techniques with regards to special needs criteria through observation, assessment and documentation.
1	CHD 1104	R									
2	CHD 1380			X							
3	CHD 1430					R					
4	CHD 1440			R	R	X	R				
5	CHD 2220		R								
6	CHD 2320			X	X						
7	CHD 2322			X							
8	CHD 2801					X	X	X	R		
9	CHD 2831						X	R			
10	CHD 2841									X	
11	CHD 2940									R	
12	EEC 2271										X
13	EEC 2270										R

**EARLY CHILDHOOD EDUCATION AND MANAGEMENT**

Program: AS-25320

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Compare various types of early childhood education and care programs	80% of CHD1104 students will demonstrate proficiency of 80% on the final exam.		
PLO 2: Explain developmental tasks relative to the various stages of development of young children.	80% of CHD2020 students will demonstrate an 80% proficiency in recognizing and aligning the developmental milestones of young children through classroom activities and a test.		
PLO 3: Plan a developmentally/culturally appropriate program curriculum inclusive of activities that facilitate principles and processes of child development to enhance the whole child.	80% of CHD1440 students will receive at least a 2 on a scale of 0-3 on the Program Management domain of the Teacher's Skills Checklist.		
PLO 4: Use appropriate guidance and classroom management techniques.	80% of CHD1440 students will receive at least a 2 on a scale of 0-3 on the Providing Guidance domain of the Teacher's Skills Checklist.		
PLO 5: Create a system of ongoing observation, assessment and documentation.	80% of CHD1430 students will score at least 36 out of 45 points on their portfolio.		
PLO 6: Design a safe, clean, and healthy learning environment while supporting state/local regulations and accreditation standards to maintain a quality program.	80% of CHD2801 students will design indoor and outdoor environments which will include at least 12 of 15 licensing requirements that are mandated for a safe and healthy program.		
PLO 7: Build ongoing communication and alliances with staff, families, programs and other community resources.	After developing a resource file, 80% of CHD2831 students will be able to match 16 of 20 community/parent/program challenges with appropriate agencies or contacts.		
PLO 8: Describe major components of a sound business management plan.	80% of CHD 2801 students will list at least 25 items that need to be included in a start up budget in an Early Childhood Education program.		

<p>PLO 9: Execute a commitment to professional and ethical standards by demonstrating leadership, organizational skills and focusing on effective written and oral communication.</p>	<p>80% of CHD2841 students will demonstrate proficiency of 80% on a presentation that demonstrates leadership, organizational skill with a focus on effective written and oral communication.</p>		
<p>PLO 10: Assemble appropriate observation techniques with regards to special needs criteria through observation, assessment, and documentation.</p>	<p>80% of EEC2270 students will score at least 80% on the final exam.</p>		

**EMERGENCY MEDICAL SERVICES**

Program: AS-25450

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will know and be able to:

1. Demonstrate an understanding of the principles of advanced prehospital care including well-being and safety of the Paramedic and roles and responsibilities within EMS systems.
2. Identify normal and abnormal findings while demonstrating the techniques of a comprehensive patient interview and physical exam.
3. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the trauma patient including blunt, penetrating, soft-tissue, and musculoskeletal trauma, burns, and hemorrhage and shock.
4. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the medical patient including pulmonology, cardiology, neurology, psychiatric, and OB/GYN emergencies.
5. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for neonatal, pediatric, and geriatric patients, diverse patients, and chronically ill patients.
6. Communicate effectively in both oral and written formats.
7. Demonstrate professional judgment, ethical standards, critical thinking, assessment and all other skills necessary to fulfill the role of the entry level Paramedic.
8. Demonstrate effective implementation of all basic life support skills.
9. Demonstrate effective implementation of all advanced life support skills.
10. Demonstrate an understanding of role of a paramedic care in the hospital setting.



**EMERGENCY MEDICAL SERVICES**

Program: AS-25450

<b>PROGRAM LEARNING OUTCOMES (PLO) – Emergency Medical Services</b>										
<b>Required Technical Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>	<b>PLO 9</b>	<b>PLO 10</b>
Please enter all required technical courses within your program.  <div style="background-color: yellow; padding: 5px; text-align: center;"><b>COURSE PREFIX &amp; NUMBER</b></div>	Demonstrate the understanding of the principles of advanced prehospital care including well-being and safety of the Paramedic and roles and responsibilities within EMS systems	Identify normal and abnormal findings while demonstrating the techniques of conducting a comprehensive patient interview and physical exam	Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the trauma patient including blunt, penetrating, soft-tissue, and musculoskeletal trauma, burns, and hemorrhage and shock	Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the medical patient including pulmonology, cardiology, neurology, psychiatric, and OB/GYN emergencies	Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for neonatal, pediatric, and geriatric patients, diverse patients, and chronically ill patients	Communicate effectively in both oral and written formats	Demonstrate professional judgment, ethical standards, critical thinking, and all skills necessary to fulfill the role of the entry level Paramedic	Recognize the need for and demonstrate effective implementation of all basic life support skills	Recognize the need for and demonstrate effective implementation of all advanced life support skills	Demonstrate an understanding of Paramedic care in the hospital setting
1	EMS 1158									
2	EMS 1158L									
3	EMS 2603	R	R							
4	EMS 2603L	X	X			X	X	R		X
5	EMS 2604		X	R*	R*					
6	EMS 2064L	X	X	X	X	X	X	X	R	R
7	EMS 2605		X	X	X	R				
8	EMS 2605L	X	R*	R	R	X	R	R	X	X

**EMERGENCY MEDICAL SERVICES**

Program: AS-25450

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Demonstrate the understanding of the principles of advanced prehospital care including well-being and safety of the Paramedic and roles and responsibilities within EMS systems.	At least 80% of EMS 2603 students will demonstrate at least 80% proficiency on the comprehensive exam.		
PLO 2: Identify normal and abnormal findings while demonstrating the techniques of a comprehensive patient interview and physical exam.	At least 80% of EMS 2603 students will demonstrate at least 80% proficiency on the comprehensive exam of patient assessment.  At least 80% of EMS 2605L students will receive an score of 0 or greater on a scale of -2 to 1 on the categories of history of chief complaint and patient assessment.		
PLO 3: Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the trauma patient including blunt, penetrating, soft-tissue, and musculoskeletal trauma, burns, and hemorrhage and shock.	At least 80% of EMS 2604 students will demonstrate at least 80% proficiency on the comprehensive exam of trauma emergencies.  At least 80% of EMS 2605L students will have assessed and treated a minimum of 60 trauma patients of varying ages.		
PLO 4: Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the medical patient including pulmonology, cardiology, neurology, psychiatric, and OB/GYN emergencies.	At least 80% of EMS 2604 students will demonstrate at least 80% proficiency on the comprehensive exam of medical emergencies.  At least 80% of EMS 2605L students will have assessed and treated a minimum of 190 medical patients of varying ages.		

PLO 5: Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for neonatal, pediatric, and geriatric patients, diverse patients, and chronically ill patients.	At least 80% of EMS 2605 students will demonstrate at least 80% proficiency on the comprehensive review exam.		
PLO 6: Communicate effectively in both oral and written formats.	At least 80% of EMS 2605L students will receive an score of 0 or greater on a scale of -2 to 1 on the categories of telemetry reports, verbal reports, and report writing from evaluations.		
PLO 7: Demonstrate professional judgment, ethical standards, critical thinking, assessment and all other skills necessary to fulfill the role of the entry level Paramedic.	At least 80% of EMS 2605L students will receive an score of 0 or greater on a scale of -2 to 1 on all clinical categories included on the Paramedic Terminal Evaluation form.		
PLO 8: Recognize the need for and demonstrate effective implementation of all basic life support skills.	At least 80% of EMS 2603L students will demonstrate all BLS skills a minimum of 3 times.		
PLO 9: Recognize the need for and demonstrate effective implementation of all advanced life support skills.	At least 80% of EMS 2604L students will demonstrate all ALS skills a minimum of 3 times.		
PLO 10: Demonstrate an understanding of Paramedic care in the hospital setting.	At least 80% of EMS 2604L students will complete all hospital objectives in the emergency department, pediatric, psychiatric, ICU, and OB settings.		

**ENGINEERING TECHNOLOGY**

Program: AS-25690

**PROGRAM LEARNING OUTCOMES**

Students who successfully complete this program should be able to:

1. Demonstrate an understanding of industrial processes, predictive maintenance programs, and material properties.
2. Generate and interpret computer-aided drawings.
3. Demonstrate a fundamental understanding of electronics and electricity, AC and DC Motor and Drive concepts and terminology.
4. Demonstrate a solid fundamental knowledge of process automation inclusive of: Programmable Logic Controller (PLC) systems and terminology, software updates, sensors and actuators, applications, programming, troubleshooting, and basic ladder logic.
5. Demonstrate an understanding of industrial safety, health, and environmental requirements.
6. Demonstrate proficiently in the use of quality assurance methods and quality control concepts inclusive of predictive and preventative maintenance theory; program effectiveness, efficiencies and savings; Lean Operating Systems; Six Sigma; and DMAIC to create variation-free, value-added processes.
7. Demonstrate proficiency in using tools, instruments and testing devices.
8. Demonstrate basic troubleshooting skills in automated processes.
9. Effectively communicate verbally and in writing within a variety of business environments.
10. Apply mathematical concepts typical in manufacturing processes.
11. Demonstrate an understanding of modern business practices and strategies and the implications of globalization and the impact of international trade on manufacturing in a competitive environment.

**ENGINEERING TECHNOLOGY**

Program: AS-25690

**PROGRAM LEARNING OUTCOMES (PLO) - Engineering Technology**

Required Technical Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11
Please enter all required technical courses within your program.  <b>COURSE PREFIX &amp; NUMBER</b>	Demonstrate an understanding of industrial processes, predictive maintenance programs, and material properties.	Generate and interpret computer-aided drawings.	Demonstrate a fundamental understanding of electronics and electricity, AC and DC Motor and Drive concepts and terminology.	Demonstrate a solid fundamental knowledge of process automation inclusive of: Programmable Logic Controller (PLC) systems and terminology, software updates, sensors and actuators, programming, troubleshooting, and basic ladder logic.	Demonstrate an understanding of industrial safety, health, and environmental requirements.	Demonstrate proficiency in the use of quality assurance methods and quality control concepts inclusive of predictive and preventative maintenance theory; program effectiveness, efficiencies and savings; Lean Operating Systems; Six Sigma; and DMAIC to create variation-free, value-added processes.	Demonstrate proficiency in using tools, instruments and testing devices.	Demonstrate basic troubleshooting skills in automated processes.	Effectively communicate verbally and in writing within a variety of business environments.	Apply mathematical concepts typical in manufacturing processes.	Demonstrate an understanding of modern business practices and strategies and the implications of globalization and the impact of international trade on manufacturing in a competitive environment.
1 EET 1084C											
2 EST 1511	E	E	I	E			E	E		E	
3 EST 1542	E		E	R				R			
4 ETD 1320C		R								E	
5 ETI 1110	I	E				I	E	E	I	E	E
6 ETI 1420	R	E	I		I	I	I		I		R
7 ETI 1622	E					R	E	E	R	E	E
8 ETI 1701	E		E		R		E	E	E		E
9 ETM 1010C	I	E	E		E	E	R	E	E	R	
10 ETM 2315C	E	E					E	E		E	
<b>ELECTIVES</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>	<b>PLO 9</b>	<b>PLO 10</b>	<b>PLO 11</b>
1 CGS 1061						E	E			E	
2 CGS 1510						E	E		E	E	
3 ENC 2210									E		
4 EST 1535	E		E	E	E	E	E	E		E	E
5 EST 1539											
6 EST 1540			E	E			E	E		E	
7 ETI 1181	E				E	E	E	E	E	E	E
8 ETI 1403	I								E		I
9 ETI 1931									E	E	E
10 ETI 1949	E	E	E	E	E	E	E	E	E	E	E
11 MAC 2233										E	
12 MAN 2500											E

**ENGINEERING TECHNOLOGY**

Program: AS-25690

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Demonstrate an understanding of industrial processes, predictive maintenance programs, and material properties.	At least 80% of the ETI1420 students will demonstrate 75% proficiency on the comprehensive final.  Additionally, at least 85% of the students that take the MSSC CPT Production Processes Assessment will earn that industry certificate.		
PLO 2: Generate and interpret computer-aided drawings.	At least 80% of the ETD1320C students will demonstrate 75% proficiency on the comprehensive design project.		
PLO 3: Demonstrate a fundamental understanding of electronics and electricity, AC and DC Motor and Drive concepts and terminology.	At least 80% of the EET1083C students will demonstrate 75% proficiency on the combined comprehensive hands-on exercise and final exam.  Additionally, at least 80% of the students that take the MSSC CPT Maintenance Awareness Assessment will earn that industry certificate.		
PLO 4: Demonstrate a solid fundamental knowledge of process automation inclusive of: Programmable Logic Controller (PLC) systems and terminology, software updates, sensors and actuators, applications, programming, troubleshooting, and basic ladder logic.	At least 80% of the EST1542 students will demonstrate 75% proficiency on the combined comprehensive hands-on exercise and final exam.		
PLO 5: Demonstrate an understanding of industrial safety, health, and environmental requirements.	At least 80% of the ETI1701 students will demonstrate 75% proficiency on the comprehensive final.		

	Additionally, at least 85% of the students that take the MSSC CPT Safety Assessment will earn that industry certificate.		
PLO 6: Demonstrate proficiently in the use of quality assurance methods and quality control concepts inclusive of predictive and preventative maintenance theory; program effectiveness, efficiencies and savings; Lean Operating Systems; Six Sigma; and DMAIC to create variation-free, value-added processes.	At least 80% of the ETI1622 students will demonstrate 75% proficiency on the comprehensive project and final exam.  Additionally, at least 85% of the students that take the MSSC CPT Quality Assessment will earn that industry certificate.		
PLO 7: Demonstrate proficiency in using tools, instruments and testing devices.	At least 80% of the ETM1010C students will demonstrate 75% proficiency on the comprehensive final.		
PLO 8: Demonstrate basic troubleshooting skills in automated processes.	At least 80% of the EST1542 students will demonstrate 75% proficiency on the combined comprehensive hands-on exercise and final exam.		
PLO 9: Effectively communicate verbally and in writing within a variety of business environments.	At least 80% of the ETI1622 students will demonstrate 75% proficiency on the comprehensive project.		
PLO 10: Apply mathematical concepts typical in manufacturing processes.	At least 80% of the ETM1010C students will demonstrate 75% proficiency on the comprehensive final.		
PLO 11: Demonstrate an understanding of modern business practices and strategies and the implications of globalization and the impact of international trade on manufacturing in a competitive environment.	At least 80% of the ETI1420 students will demonstrate 75% proficiency on the comprehensive final.		

**FIRE SCIENCE TECHNOLOGY**

Program: AS-25980

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

1. Demonstrate knowledge in the areas of chemistry of fire, fire behavior, and fire extinguishment theory.
2. Distinguish concepts of fire prevention practices, fire protection systems, building construction with relation to fire behavior, and fire inspection practices.
3. Demonstrate knowledge of fire department organization and procedures, and use fire company managerial concepts and principles that lead to effective supervision and leadership.
4. Demonstrate knowledge and skills related to classroom instruction, course design, applicable legal/ethical/safety issues, evaluation and management.
5. Demonstrate knowledge of incident command, hazardous materials and response to terrorism incidents.
6. Compare and contrast different fire fighting strategies and tactics and display knowledge of fire fighter operational safety practices.
7. Demonstrate knowledge of legal, ethical, and safety-risk management principles as they relate to a modern, fire organization.
8. Demonstrate knowledge and skills to detect and determinate the origin and cause of a fire, and the legal guidelines for the fire investigator.



**FIRE SCIENCE TECHNOLOGY**

Program: AS-25980

<b>PROGRAM LEARNING OUTCOMES (PLO) - Fire Science Technology</b>								
<b>Required Technical Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>
Please enter all required technical courses within your program.	Demonstrate knowledge in the areas of chemistry of fire, fire behavior, and fire extinguishment theory.	Distinguish concepts of fire prevention practices, fire protection systems, building construction with relation to fire behavior, and fire inspection practices.	Demonstrate knowledge of fire department organization and procedures, and use fire company managerial concepts and principles that lead to effective supervision and leadership.	Demonstrate knowledge and skills related to classroom instruction, course design, applicable legal/ethical/safety issues, evaluation and management.	Demonstrate knowledge of incident command, hazardous materials and response to terrorism incidents.	Compare and contrast different fire fighting strategies and tactics and display knowledge of fire fighter operational safety practices.	Demonstrate knowledge of legal, ethical, and safety-risk management principles as they relate to a modern, fire organization.	Demonstrate knowledge and skills to detect and determinate the origin and cause of a fire, and the legal guidelines for the fire investigator.
<b>COURSE PREFIX &amp; NUMBER</b>								
1 FFP 1505		X						
2 FFP 1540	X	X						X
3 FFP 1740				X				
4 FFP 1810	X	X			X	X		
5 FFP 2120		X			X	X		X
6 FFP 2720			X	X	X			
7 FFP 2811	X	X			X	X		
8 FFP 1824			X		X	X		
9 FFP 1825			X		X	X		
10 FFP 1832					X			
11 FFP 2111	X	X						X
12 FFP 2610	X	X						X
13 FFP 2780		X	X	X			X	X
14 FFP 2770			X	X			X	X
15 FFP 2741				X				
<b>ELECTIVES</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 7</b>
1 FFP 1793		X		X		X		
2 FFP 2706			X		X			X

**FIRE SCIENCE TECHNOLOGY**

Program: AS-25980

**PROGRAM ASSESSMENTS**

Students who complete the following approved Florida Bureau of Fire Standards and Training Certifications are given credit for the fire science courses in this program. Therefore, achievement of learning outcomes for this program is measured by the earning of these certifications.

Option I: Fire Officer I and Fire Officer II

Option II: Fire Officer I, Firesafety Inspector I, and Fire Investigator I

**HEALTH INFORMATION MANAGEMENT**

Programs: AS-25480

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

1. Demonstrate essential application principles of Health Information Technologist.
2. Appraise health record content and structure for the acute care and alternative care environment.
3. Illustrate principles, application and reimbursement guidelines of Clinical Classification systems of ICD-9-CM/ICD-10-CM.
4. Illustrate principles, application and reimbursement guidelines of Clinical Classification of CPT.
5. Interpret and apply laws regarding HIPAA, risk management, and release of information in accordance with federal and state regulations.
6. Calculate health care statistics and demonstrate data literacy.
7. Demonstrate knowledge of information technology of health care, business and office systems.
8. Demonstrate best practices for quality assessment within a healthcare environment.
9. Demonstrate principles of organizational, supervisory and leadership skills.

**HEALTH INFORMATION MANAGEMENT**

Program: AS-25480

**PROGRAM LEARNING OUTCOMES (PLO) - Health Information Management**

	<b>Required Technical Courses</b> Please enter all required technical courses within your program.	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>	<b>PLO 9</b>
		Demonstrate essential application principles of Health Information Technologist	Appraise health record content and structure for the acute care and alternative care environment	Illustrate principles, application and reimbursement guidelines of Clinical Classification systems of ICD-9-CM/ICD-10-CM.	Illustrate principles, application and reimbursement guidelines of Clinical Classification of CPT.	Interpret and apply laws regarding HIPAA, risk management, and release of information in accordance with federal and state regulations.	Calculate health care statistics and demonstrate data literacy.	Demonstrate knowledge of information technology of health care, business and office systems.	Demonstrate best practices for quality assessment within a healthcare environment.	Demonstrate principles of organizational, supervisory and leadership skills.
	<b>COURSE PREFIX &amp; NUMBER</b>									
1	HIM 1000C	X	X							
2	HIM 1012	X				X				
5	HIM 1222C	X		X						
3	HIM 1400C	X	X							
4	HIM 1442	X								
6	HIM 1800L	X	X			X		X		
7	HIM 2211C	X						X		
8	HIM 2214C	X					X			
9	HIM 2234C	X		X	X					
10	HIM 2253C	X		X	X					
11	HIM 2506	X							X	
12	HIM 2512C	X						X	X	X
13	HIM 2820	X	X	X	X	X	X	X		
14	HIM 2930	X	X	X	X	X	X	X	X	X

**HEALTH INFORMATION MANAGEMENT**

Program: AS-25480

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Demonstrate essential application principles of Health Information Technologist.	At least 80% of HIM/CCS 1000C students will demonstrate at least 75% proficiency on the comprehensive unit/final exam.		
PLO 2: Appraise health record content and structure for the acute care and alternate care environment.	At least 80% of HIM/CCS 1800L, 2810L, and 2820 students will demonstrate expected competency through practicum application exercises.		
PLO 3: Illustrate principles, application and reimbursement guidelines of Clinical Classifications systems of ICD-9-CM/ICD-10-CM.	At least 80% of HIM/CCS 1222C students will demonstrate at least 75% proficiency on unit/final exam.		
PLO 4: Illustrate principles, application and reimbursement guidelines of Clinical Classifications of CPT.	At least 80% of HIM/CCS 2253C students will demonstrate at least 75% proficiency on unit/final exam.		
PLO 5: Interpret and apply laws regarding HIPPA, risk management, and release of information in accordance with federal and state regulations.	At least 80% of HIM 1012 students will demonstrate at least 75% proficiency on the comprehensive final/discussions/ research projects.		
PLO 6: Calculate health care statistics and demonstrate data literacy.	At least 80% of HIM 2214C students will demonstrate at least 75% proficiency on the comprehensive final/discussions/ application exercises.		
PLO7: Demonstrate knowledge of information technology of health care, business and office systems.	At least 80% of HIM 2211C students will demonstrate at least 75% proficiency on the comprehensive final/discussions/ application exercises.		
PLO8: Demonstrate best practices for quality assessment within a healthcare environment.	At least 80% of HIM 2506 students will demonstrate at least 75% proficiency on the discussions/ project application.		
PLO9: Demonstrate principles of organizational, supervisory, and leadership skills.	At least 80% of HIM 2512 students will demonstrate at least 75% proficiency on the		

	comprehensive unit/ final exam/discussions/ and project.		
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(Gray=done)

(Yellow= data needed)

**NETWORK SYSTEMS ENGINEERING TECHNOLOGY – Program will begin fall 2016.**

Program: AS-25275

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

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**Core Requirements for Program**

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1. Demonstrate computer network installation, maintenance, and repair skills.
2. Design, install, and troubleshoot a Local Area Network (LAN).
3. Describe the fundamentals of Wide Area Networking (WAN).
4. Configure Active Directory in Microsoft's Windows Server 2012 network operating system.
5. Demonstrate and apply computer network security concepts and techniques.
6. Demonstrate and apply basic project management concepts and management tools.
7. Perform fundamental desktop management skills using a Linux-based operating system.
8. Perform fundamental desktop management skills using a current Microsoft client operating system.
9. Apply wireless LAN concepts.
10. Troubleshoot and repair computer hardware and software problems.
11. Configure a network infrastructure using Microsoft's Windows Server 2012 network operating system.
12. Demonstrate the skills needed to administer, maintain, and troubleshoot Microsoft's Windows Server 2012 network operating system.
13. Apply appropriate methodology to fix switching and routing problems.
14. Demonstrate the skills required to configure DNS, DHCP, print services, and network monitoring in Linux.
15. Configure, deploy, and manage the applications that come with Microsoft's Windows Server 2012.
16. Demonstrate the skills required to install, configure, and maintain virtualized data centers.
17. Demonstrate the skills required to install, configure, and maintain virtualized desktop environments.
18. Define cloud infrastructures and develop techniques to secure data center environments using firewalls.

**NETWORK SYSTEMS ENGINEERING TECHNOLOGY**

Program: AS-25275

**PROGRAM LEARNING OUTCOMES (PLO) - Computer Networking Engineering Technology**

Required Technical Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11	PLO 12	PLO 13
Please enter all required technical courses within your program.  <b>COURSE PREFIX &amp; NUMBER</b>	Demonstrate computer network installation, maintenance, and repair skills.	Design, install, and troubleshoot a Local Area Network (LAN).	Describe the fundamentals of Wide Area Networking (WAN).	Configure Active Directory in Microsoft's Windows Server 2012 network operating system.	Demonstrate a knowledge of computer network security concepts and techniques.	Demonstrate a knowledge of basic project management concepts and management tools.	Perform fundamental desktop management skills using a Linux based operating system.	Perform fundamental desktop management skills using a current Microsoft client operating system.	Demonstrate a knowledge of wireless LAN.	Troubleshoot and repair computer hardware and software problems.	Configure a network infrastructure using Microsoft's Windows Server 2012 network operating system.	Demonstrate the skills needed to administer, maintain and troubleshoot Microsoft's Windows Server 2012 network operating system.	Methodology to fix switching and routing problems.
1 CET 1014C						X							
2 CET 1174C	X									X			
3 CTS 2110C	X									X			
4 CET 1600C		X											
5 CET 1610C		X	X										
6 CET 2621C			X						X				X
7 CET 2660C					X								
8 CTS 1162C								X					
9 CTS 2390C				X								X	
10 CTS 2391C											X	X	
11 CTS 2392C												X	
12 CTS 2321C							X						
13 CTS 2370C													
14 CTS 2374C								X					
15 CTS 2376C													
16 CET 2940	X	X	X	X	X	X	X	X	X	X	X	X	X



**NETWORK SYSTEMS ENGINEERING TECHNOLOGY**

Program: AS-25275

Required Technical Courses		PLO 14	PLO 15	PLO 16	PLO 17	PLO 18
	Please enter all required technical courses within your program.	Demonstrate skills required to configure DNS, DHCP, Print Services and network monitoring in Linux environments.	Configure, deploy and manage the applications that come with Microsoft's Windows Server 2012.	Demonstrate skills required to install, configure, and maintain virtualized data centers.	Demonstrate skills required to install, configure, and maintain virtualized desktop environments.	Define cloud infrastructures and develop techniques to secure data center environments using firewalls.
	<b>COURSE PREFIX &amp; NUMBER</b>					
1	CET 1014C					
2	CET 1174C					
3	CTS 2110C					
4	CET 1600C					
5	CET 1610C					
6	CET 2621C					
7	CET 2660C					
8	CTS 1162C					
9	CTS 2390C					
10	CTS 2391C					
11	CTS 2392C		X			
12	CTS 2321C	X				
13	CTS 2370C				X	
14	CTS 2374C			X		
15	CTS 2376C					X
16	CET 2940	X	X			

**NETWORK SYSTEMS ENGINEERING TECHNOLOGY**

Program: AS-25275

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Demonstrate computer network installation, maintenance, and repair skills.	80% of students in CET1174C and CTS2110C will successfully complete all final competency examinations and pass the CompTIA A+ certification.		
PLO 2: Design, install, and troubleshoot a Local Area Network (LAN).	80% of students in CET1600C will successfully complete the skill based final and the written final as defined by the Cisco Academy.		
PLO 3: Describe the fundamentals of Wide Area Networking (WAN).	80% of students in CET1610C will successfully complete the skill based final and the written final as defined by the Cisco Academy.		
PLO 4: Configure Active Directory in Microsoft's Windows Server 2008 network operating system.	80% of students in CTS2390C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 5: Demonstrate and apply computer network security concepts and techniques.	80% of students in CET2660C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 6: Demonstrate and apply basic project management concepts and management tools.	80% of students in CET1014C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 7: Perform fundamental desktop management skills using a Linux based operating system.	80% of students in CTS 2321C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 8: Perform fundamental desktop management skills using a current Microsoft client operating system.	80% of students in CTS 1162C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		

PLO 9: Apply wireless LAN concepts.	80% of students in CET 2621C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 10: Troubleshoot and repair computer hardware and software problems.	80% of students in CET 1174C and CTS 2110C will successfully complete all final competency examinations and pass the CompTIA A+ certification.		
PLO 11: Configure a network infrastructure using Microsoft's Windows Server 2008 network operating system.	80% of students in CTS 2391C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 12: Demonstrate the skills needed to administer, maintain and troubleshoot Microsoft's Windows Server 2008 network operating system.	80% of students in CTS 2392C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 13: Apply appropriate methodology to fix switching and routing problems.	80% of students in CET 2621C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 14: Demonstrate the skills required to configure DNS, DHCP, print services, and network monitoring in Linux.	80% of students in CTS 2321C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 15: Configure, deploy and manage the applications that come with Microsoft's Windows Server 2012.	80% of students in CTS 2392C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 16: Demonstrate the skills required to install, configure, and maintain virtualized data centers.	80% of students in CTS 2374C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		
PLO 17: Demonstrate the skills required to install, configure, and maintain	80% of students in CTS 2370C will attain 75% proficiency in a comprehensive hands-on final		

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virtualized desktop environments.	exam and comprehensive final written exam.		
PLO 18: Define cloud infrastructures and develop techniques to secure data center environments using firewall technology.	80% of students in CET 2421C will attain 75% proficiency in a comprehensive hands-on final exam and comprehensive final written exam.		

**NURSING**

Generic Option: AS-25510  
Transition Option: AS-25610

**PROGRAM LEARNING OUTCOMES**

At the completion of this program, the graduate will be able to:

1. Function effectively as a provider of care who uses critical thinking and the nursing process to provide safe and competent evidenced-based care across health care settings.
2. Function effectively as a coordinator of care who uses effective delegation and management strategies to promote positive patient outcomes.
3. Function effectively as a leader who advocates for the health care organization and the profession.
4. Function effectively as a member within the discipline of nursing who practices with integrity within the ethical, legal, and regulatory framework of professional nursing and models professional behavior.
5. Interact with others as an effective, collaborative team member in providing holistic care that respects the patient as a unique human being who is a member of a family, a community, and a society.
6. Exhibit competent clinical decision making and safe performance of skills in implementing a patient-centered plan of care directed toward restoring, maintaining, or promoting the patient's optimal health status.
7. Serve as an advocate for patients and families in promoting actions which provide for physical, psychological, sociological, cultural, and spiritual comfort and safety.
8. Exhibit a spirit of inquiry which promotes participation in evidence-based practice, quality improvement processes, and research activities leading to quality patient outcomes and system effectiveness.

**NURSING**

Generic Option AS-25510  
Transition Option AS-25610

<b>PROGRAM LEARNING OUTCOMES (PLO) - NURSING</b>								
<b>Required Technical Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>
Please enter all required technical courses within your program.	Function effectively as a provider of care who uses critical thinking and the nursing process to provide safe and competent evidenced-based care across health care settings.	Function effectively as a coordinator of care who uses effective delegation and management strategies to promote positive patient outcomes.	Function effectively as a leader who advocates for the health care organization and the profession.	Function effectively as a member within the discipline of nursing who practices with integrity within the ethical, legal, and regulatory framework of professional nursing and models professional behavior.	Interact with others as an effective, collaborative team member in providing holistic care that respects the patient as a unique human being who is a member of a family, a community, and a society.	Exhibit competent clinical decision making and safe performance of skills in implementing a patient-centered plan of care directed toward restoring, maintaining, or promoting the patient's optimal health status.	Serve as an advocate for patients and families in promoting actions which provide for physical, psychological, sociological, cultural, and spiritual comfort and safety.	Exhibit a spirit of inquiry which promotes participation in evidence-based practice, quality improvement processes, and research activities leading to quality patient outcomes and system effectiveness.
<b>COURSE PREFIX &amp; NUMBER</b>								
<b>GENERIC OPTION</b>								
1 NUR 1010C	X			X	X	X	X	X
2 NUR 1140C	X	X		X	X	X	X	X
3 NUR 1211C	X	X	X	X	X	X	X	X
4 NUR 1213C	X	X	X	X	X	X	X	X
5 NUR 2421C	X	X	X	X	X	X	X	X
6 NUR 2945C	X	X	X	X	X	X	X	X
<b>TRANSITION OPTION</b>								
1 NUR 1010C	X			X	X	X	X	X
2 NUR 1140C	X	X		X	X	X	X	X
3 NUR 1033C	X	X	X	X	X	X	X	X
4 NUR 1320C	X	X	X	X	X	X	X	X
5 NUR 2057C	X	X	X	X	X	X	X	X

**NURSING**

Generic Option: AS-25510  
Transition Option: AS-25610

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
<p>PLO 1: Function effectively as a provider of care who uses critical thinking and the nursing process to provide safe and competent evidenced-based care across health care settings.</p>	<p>(1) At least 80% of students will achieve a score of at least 80 on comprehensive final exam in each course.                      (2) At least 80% of students will achieve a score of at least 2.0 on each item of the Clinical Evaluation Tool in each clinical course.                      (3) At least 80% of students completing the Course Evaluation Survey (CES) will respond as strongly agree or agree to items on the course evaluation tool related to PLO 1.                      (4) At least 80% of students in the capstone courses for the generic option and the transition option of the program will achieve a score of 850 or above on the HESI exit exam.                      (5) At least 90% of graduates will pass the NCLEX on the first attempt.                      (6) At least 80% of employers and graduates responding to post-graduation follow-up surveys will respond as strongly agree or agree to items on the survey related to PLO 1.</p>		
<p>PLO 2: Function effectively as a coordinator of care who uses effective delegation and management strategies to promote positive patient outcomes.</p>	<p>1) At least 80% of students will answer correctly a subset of questions related to delegation, management, and coordination of care on course exams.                      (2) At least 80% of students will achieve a satisfactory evaluation on each course activity related to serving as a team leader.                      (3) At least 80% of students will achieve a score of at least 2.0 on</p>		

	<p>a subset of items related to PLO 2 on the Clinical Evaluation Tool in each clinical course.</p> <p>(4) At least 80% of students will respond as strongly agree or agree to items on the course evaluation tool related to PLO 2.</p> <p>(5) At least 80% of employers and graduates responding to post-graduation follow-up surveys will respond as strongly agree or agree to items on the survey related to PLO 2.</p>		
<p>PLO 3: Function effectively as leader who advocates for the health care organization and the profession.</p>	<p>1) At least 80% of students will answer correctly on a subset of items related to PLO 3 on comprehensive final exam in the capstone course.</p> <p>(2) At least 80% of students will respond as strongly agree or agree to items on the course evaluation tool related to PLO 3.</p> <p>(3) At least 80% of employers and graduates responding to post-graduation follow-up surveys will respond as strongly agree or agree to items on the survey related to PLO 3.</p>		
<p>PLO 4: Function effectively as a member within the discipline of nursing who practices with integrity within the ethical, legal, and regulatory framework of professional nursing and models professional behavior.</p>	<p>1) At least 80% of students will answer correctly a subset of questions related to PLO 4 on comprehensive final exam in each course.</p> <p>(2) At least 80% of students will achieve a score of at least 2.0 on a subset of items related to PLO 4 on the Clinical Evaluation Tool in each clinical course.</p> <p>(3) At least 80% of students will respond as strongly agree or agree to items on the course evaluation tool related to PLO 4.</p> <p>(4) At least 80% of employers and graduates responding to post-graduation follow-up surveys will respond as strongly agree or agree to items on the survey related to PLO 4.</p>		
<p>PLO 5: Interact with others as an effective, collaborative team member in providing</p>	<p>1) At least 80% of students will achieve a score of at least 2.0 on a subset of items related to PLO</p>		



<p>holistic care that respects the patient as a unique human being who is a member of a family, a community, and a society.</p>	<p>5 of the Clinical Evaluation Tool in each clinical course.                  (2) At least 80% of students will respond as strongly agree or agree to items on the course evaluation tool related to PLO 5.                  (3) At least 80% of employers and graduates responding to post-graduation follow-up surveys will respond as strongly agree or agree to items on the survey related to PLO 5.</p>		
<p>PLO 6: Exhibit competent clinical decision making and safe performance of skills in implementing a patient-centered plan of care directed toward restoring, maintaining, or promoting the patient's optimal health status.</p>	<p>1) At least 80% of students will answer correctly a subset of items related to PLO 6 on comprehensive final exam in each course.                  (2) At least 80% of students will pass the Clinical Proficiency Exam (CPE) on the first attempt in each clinical course.                  (3) At least 80% of students will achieve a score of at least 2.0 on a subset of items related to PLO 6 on the Clinical Evaluation Tool in each clinical course.                  (4) At least 80% of students will respond as strongly agree or agree to items on the course evaluation tool related to PLO 6.                  (5) At least 80% of students in the capstone courses for both the generic option and the transition option of the program will achieve a score of at least 850 on the HESI exam.                  (6) At least 90% of graduates will pass the NCLEX on the first attempt.                  (7) At least 80% of employers and graduates responding to post-graduation follow-up surveys will respond as strongly agree or agree to items on the survey related to PLO 6.</p>		
<p>PLO 7: Serve as an advocate for patients and families in promoting actions which provide for physical, psychological, sociological,</p>	<p>(1) At least 80% of students will achieve a score of at least 2.0 on a subset of items related to PLO 7 on the Clinical Evaluation Tool in each clinical course.</p>		

<p>cultural, and spiritual comfort and safety.</p>	<p>(2) At least 80% of students will respond as strongly agree or agree to items on the course evaluation tool related to PLO 7. (3) At least 80% of employers and graduates responding to post-graduation follow-up surveys will respond as strongly agree or agree to items on the survey related to PLO 7.</p>		
<p>PLO 8: Exhibit a spirit of inquiry which promotes participation in evidence-based practice, quality improvement processes, and research activities leading to quality patient outcomes and system effectiveness.</p>	<p>(1) At least 80% of students will achieve a satisfactory evaluation on each class project related to research and evidenced-based practice. (2) At least 80% of students will achieve a score of at least 2.0 on a subset of items related to PLO 8 on the Clinical Evaluation Tool in each clinical course. (3) At least 80% of students will respond as strongly agree or agree to items on the course evaluation tool related to PLO 8. (4) At least 80% of employers and graduates responding to post-graduation follow-up surveys will respond as strongly agree or agree to items on the survey related to PLO 8.</p>		

**OCCUPATIONAL THERAPY ASSISTANT**

Program: AS-25530

**PROGRAM LEARNING OUTCOMES**

Upon completion of the program sequence, students will be able to:

1. Respond to request for services in accordance with service agency's policies and procedures.
2. Assist with data collection and evaluation under the supervision of an OTR.
3. Develop treatment goals under the supervision of an OTR.
4. Implement and coordinate intervention plan under the supervision of an OTR.
5. Provide direct service that follows a documented routine and accepted procedure under the supervision of an OTR.
6. Adapt the occupation, environment, and interventions according to the needs of the individual and his/her socio-cultural context under the supervision of an OTR.
7. Communicate and interact with other team members and the individual's family or caregivers in collaboration with an OTR.
8. Maintain records and documentation required by work settings under the supervision of an OTR.
9. Follow policies and procedures required in a setting.
10. Perform continuous quality improvement activities or program evaluation in collaboration with an OTR.
11. Maintain treatment area, equipment, and supply inventory as required.
12. Monitor own performance and identify supervisory needs.
13. Identify and pursue own professional growth and development.
14. Participate in professional and community activities.
15. Function according to the AOTA Code of Ethics and Standards of Practice.

**OCCUPATIONAL THERAPY ASSISTANT**

Program: AS-25530

PROGRAM LEARNING OUTCOMES (PLO) - Occupational Therapy Assistant																
Required Technical Courses		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11	PLO 12	PLO 13	PLO 14	PLO 15
Please enter all required technical courses within your program.		Respond to request for services in accordance with service agency's policies and procedures.	Assist with data collection and evaluation under the supervision of an OTR.	Develop treatment goals under the supervision of an OTR.	Implement and coordinate intervention plan under the supervision of an OTR.	Provide direct service that follows a documented routine and accepted procedure under the supervision of an OTR.	Adapt the occupation, environment, and interventions according to the needs of the individual and his/her socio-cultural context under the supervision of an OTR.	Communicate and interact with other team members and the individual's family or caregivers in collaboration with an OTR.	Maintain records and documentation required by work settings under the supervision of an OTR.	Follow policies and procedures required in a setting.	Perform continuous quality improvement activities or program evaluation in collaboration with an OTR.	Maintain treatment area, equipment, and supply inventory as required.	Monitor own performance and identify supervisory needs.	Identify and pursue own professional growth and development.	Participate in professional and community activities.	Function according to the AOTA Code of Ethics and Standards of Practice.
	<b>COURSE PREFIX &amp; NUMBER</b>															
1	BSC 2086C			X	X		X									
2	HSC 2554			X	X		X									
3	OTH 1001	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	OTH 1014C		X		X	X	X	X	X	X		X	X			X
5	OTH 1019C		X		X	X	X	X	X	X		X	X			X
6	OTH 1520C	X	X	X	X	X	X	X	X	X		X	X	X	X	
7	OTH 1800	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	OTH 1802	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	OTH 2131C	X	X	X	X	X	X	X	X	X	X	X	X		X	X
10	OTH 2300C	X	X	X	X	X	X	X	X	X						
11	OTH 2420C	X	X	X	X	X	X	X	X	X	X	X	X		X	X
12	OTH 2840	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13	OTH 2841	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14	OTH 2125	X	X	X	X	X	X	X	X	X		X				X

**OCCUPATIONAL THERAPY ASSISTANT**

Program: AS-25530

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Respond to request for services in accordance with service agency's policies and procedures.	Items #4 and #5 of the Level II Fieldwork Performance Evaluation for the Occupational Therapy Assistant Student.		
PLO 2: Assist with data collection and evaluation under the supervision of an OTR.	Items #7, 8, 9 of the Level II Fieldwork Performance Evaluation for the Occupational Therapy Assistant Student.		
PLO 3: Develop treatment goals under the supervision of an OTR.	Items #10 and 11 of the Level II Fieldwork Performance Evaluation for the Occupational Therapy Assistant Student.		
PLO 4: Implement and coordinate intervention plan under the supervision of an OTR.	Items #12, 13, 14 of the Level II Fieldwork Performance Evaluation for the Occupational Therapy Assistant Student.		
PLO 5: Provide direct service that follows a documented routine and accepted procedure under the supervision of an OTR.	Items #1 and #6 of the Level II Fieldwork Performance Evaluation for the Occupational Therapy Assistant Student.		
PLO 6: Adapt the occupation, environment, and interventions according to the needs of the individual and his/her socio-cultural context under the supervision of an OTR.	Items #15, 16, 17 of the Level II Fieldwork Performance Evaluation for the Occupational Therapy Assistant Student.		
PLO 7: Communicate and interact with other team members and the individual's family or caregivers in collaboration with an OTR.	Items #4, 5, 10, 16, 18, 24 of the Level II Fieldwork Performance Evaluation for the Occupational Therapy Assistant Student.		
PLO 8: Maintain records and documentation required by work settings under the supervision of an OTR.	Items #19 of the Level II Fieldwork Performance Evaluation for the Occupational Therapy Assistant Student.		
PLO 9: Follow policies and procedures required in a setting.	Items #1,2,3 of the Level II Fieldwork Performance Evaluation for the Occupational Therapy Assistant Student.		

PLO 10: Perform continuous quality improvement activities or program evaluation in collaboration with an OTR.	Items #2,3 of the Level II Fieldwork Performance Evaluation for the Occupational Therapy Assistant Student.		
PLO 11: Maintain treatment area, equipment, and supply inventory as required.	Items #22, 23 of the Level II Fieldwork Performance Evaluation for the Occupational Therapy Assistant Student.		
PLO 12: Monitor own performance and identify supervisory needs.	Items #21, 22, 23 of the Level II Fieldwork Performance Evaluation for the Occupational Therapy Assistant Student.		
PLO 13: Identify and pursue own professional growth and development.	Items #20, 25 of the Level II Fieldwork Performance Evaluation for the Occupational Therapy Assistant Student.		
PLO 14: Participate in professional and community activities.	Items #20, 22, 25 of the Level II Fieldwork Performance Evaluation for the Occupational Therapy Assistant Student.		
PLO 15: Function according to the AOTA Code of Ethics and Standards of Practice.	Items #20, 22 of the Level II Fieldwork Performance Evaluation for the Occupational Therapy Assistant Student.		

**PHYSICAL THERAPIST ASSISTANT**

Program: AS-25540

**PROGRAM LEARNING OUTCOMES**

Upon completion of the PTA Program, the graduate will be able to:

1. Communicate verbally and non-verbally with the patient, the PT, healthcare delivery personnel, and others, in an effective, appropriate, and capable manner.
2. Demonstrate sensitivity to individual and cultural differences in all aspects of physical therapy services.
3. Exhibit conduct that reflects a commitment to meet or exceed the expectations of members of society and the profession.
4. Demonstrate clinical problem-solving skills and professional judgment.
5. Instruct aides, volunteers, peers, and coworkers, using established techniques, programs, and instructional materials, commensurate with the learning characteristics of the audience.
6. Demonstrate competence in performing specific data collection techniques as delegated by the supervising PT.
7. Understand the plan of care written for the individual patient and implement delegated interventions to achieve the short- and long-term goals and outcomes identified in the plan of care.
8. Implement the delegated interventions within the plan of care established by the PT, monitors the patient's response, and responds accordingly.
9. Uses data collection and communication to participate in determining a patient's progress toward specific outcomes, as established in the plan of care by the PT.
10. Provide services under the direction of the PT in primary, secondary, and tertiary settings.
11. Supervises the physical therapy aide in patient-related activities as delegated to the aide by the PT and in non-patient care activities, as defined by the policies and procedures of the practice setting.
12. Demonstrate social responsibility, citizenship, and advocacy, including participation on community and service organizations and activities.
13. Participate in career development based on self-assessment, performance appraisals, work setting, and special interest.

**PHYSICAL THERAPIST ASSISTANT**

Program: AS-25540

<b>PROGRAM LEARNING OUTCOMES (PLO) - Physical Therapy Assistant</b>														
Required Technical Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11	PLO 12	PLO 13	
Please enter all required technical courses within your program.  <b>COURSE PREFIX &amp; NUMBER</b>	Communicate Verbally and non-verbally with the patient, the PT, healthcare delivery personnel, and others, in an effective, appropriate, and capable manner.	Demonstrate sensitivity to individual and cultural differences in all aspects of physical therapy services.	Exhibit conduct that reflects a commitment to meet or exceed the expectations of members of society and the profession.	Demonstrate clinical problem-solving skills and professional judgment.	Instruct aides, volunteers, peers, and coworkers, using established techniques, programs, and instructional materials, commensurate with the learning characteristics of the audience.	Demonstrate competence in performing specific data collection techniques as delegated by the supervising PT.	Understand the plan of care written for the individual patient and implement delegated interventions to achieve the short- and long-term goals and outcomes identified in the plan of care.	Implement the delegated interventions within the plan of care established by the PT, monitors the patient's response, and responds accordingly.	Uses data collection and communication to participate in determining a patient's progress toward specific outcomes, as established in the plan of care by the PT.	Provide services under the direction of the PT in primary, secondary, and tertiary settings.	Supervises the physical therapy aide in patient-related activities as delegated to the aide by the PT and in non-patient care activities, as defined by the policies and procedures of the practice setting.	Demonstrate social responsibility, citizenship, and advocacy, including participation on community organization and activities.	Participate in career development based on self-assessment, performance appraisals, work setting, and special interest.	
1 PHT 1128C						X		X	X					
2 PHT 1129C						X		X	X					
3 PHT 1213C	X			X	X	X	X	X	X					
4 PHT 1250C	X	X	X	X	X	X	X	X	X	X				
5 PHT 1801L	X	X	X	X	X	X	X	X	X	X	X	X	X	
6 PHT 2220C	X	X		X		X	X	X						
7 PHT 2221C	X			X	X	X	X	X	X					
8 PHT 2252C	X			X	X	X	X	X	X					
9 PHT 2253C	X			X	X	X	X	X	X					
10 PHT 2810L	X	X	X	X	X	X	X	X	X	X	X	X	X	
11 PHT 2820L	X	X	X	X	X	X	X	X	X	X	X	X	X	
12 PHT 2930	X		X	X		X	X	X	X	X			X	
13 PHT 2931	X	X	X	X	X			X		X	X	X	X	
<b>Foundation Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>	<b>PLO 9</b>	<b>PLO 10</b>	<b>PLO 11</b>	<b>PLO 12</b>	<b>PLO 13</b>	
1 PSY 2012		X	X	X										
2 ENC 1101	X				X		X		X					
3 BSC 2085						X	X	X						
4 MGF 1106				X		X			X					
5 MTB 1103				X		X			X					
6 PHI 2600		X	X											
7 BSC 2086C						X	X	X						
8 HSC 2554				X				X						



**PHYSICAL THERAPIST ASSISTANT**

Program: AS-25540

**PROGRAM ASSESSMENTS: AY 2010-2011**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Communicates verbally and nonverbally with the patient, the PT, health care delivery personnel, and others in an effective, appropriate, and capable manner.	100% of students will be rated "entry level" for communication.  Indicator # 6 on Clinical Performance Instrument (CPI).		
PLO 2: The student demonstrates an understanding of the major differences between individuals and cultures with sensitivity.	100% of students will be rated "entry level" for cultural sensitivity.  Indicator # 8 on Clinical Performance Instrument (CPI).		
PLO 3: Exhibits conduct that reflects a commitment to meet or exceed the expectations of members of society and the profession.	100% of students will be rated "entry level".  Indicator # 2, #3, #4, and #5 on Clinical Performance Instrument (CPI).		
PLO 4: Demonstrates clinical problem solving skills and professional judgment.	100% of students will be rated "entry level" for clinical problem solving and judgment.  Indicator # 9 on Clinical Performance Instrument (CPI).		
PLO 5: Instructs aides, volunteers, peers, and coworkers using established techniques, programs, and instructional materials commensurate with the learning characteristics of the audience.	100% of students will be rated "entry level" for educating others.  Indicator # 13 on Clinical Performance Instrument (CPI).		
PLO 6: Understands the plan of care written for the individual patient and implements delegated interventions to achieve the short- and long-term goals and outcomes identified in the plan of care.	100% of students will be rated "entry level" for performing intervention in a competent manner.  Indicator #12 on Clinical Performance Instrument (CPI).		

PLO 7: Implements the delegated interventions within the plan of care established by the PT monitor the patient responses, and responds accordingly.	100% of students will be rated “entry level” for recognizing and discussing modifications to the plan of care.  Indicator # 11 on Clinical Performance Instrument (CPI).		
PLO 8: Uses data collection and communication to participate in determining a patient's progress toward specific outcomes as established in the plan of care by the PT.	100% of students will be rated “entry level” for data collection.  Indicator # 10 on Clinical Performance Instrument (CPI).		
PLO 9: Uses data collection and communication to participate in determining a patient's progress toward specific outcomes as established in the plan of care by the PT.	100% of students will be rated “entry level” for data collection.  Indicator # 7 & #11 on Clinical Performance Instrument (CPI).		
PLO 10: Provides services under the direction of the PT in primary, secondary, and tertiary settings.	100% of students will be rated “entry level” for following legal and ethical guidelines.  Indicator # 4 & #5 on Clinical Performance Instrument (CPI).		
PLO 11: Supervises the physical therapy aide in patient-related activities as delegated to the aide by the PT and in non-patient care activities, as defined by the policies and procedures of the practice setting.	100% of students will be rated “entry level” for proper supervision and use of therapy aides and support personnel.  Indicator # 18 on Clinical Performance Instrument (CPI).		
PLO 12: Demonstrates social responsibility, citizenship, and advocacy, including participation in community and service organizations and activities.	100% of students will be rated “entry level” for data collection.  Indicator # 15 & #20 on Clinical Performance Instrument (CPI).		
PLO 13: Participates in career development based on self-assessment, performance appraisals, work setting, and special interest.	100% of students will be rated “entry level” for data collection.  Indicator # 19 on Clinical Performance Instrument (CPI).		

\* PHT 2820L Clinical Education in PT III is the capstone course chosen by the PTA Program to conduct this assessment.

For the purposes of this assessment: “Entry Level” as defined by the PTA Program is 90-100 as marked on the visual analog scale (VAS).

**PROFESSIONAL PILOT SCIENCE**

Program: AS-26110

**PROGRAM LEARNING OUTCOMES**

Upon completion of the Professional Pilot Science Program, the graduate will be able to:

1. Exemplify the applications of safe and effective work practices.
2. Apply the fundamentals of flight.
3. Explain pertinent US Code of Federal Regulations Title 14, the National Transportation Safety Board (NTSB) and the Transportation Security Administration (TSA).
4. Describe and demonstrate applications of assessment of meteorology to aviation.
5. Describe and demonstrate applications of management of aircraft systems.
6. Demonstrate use of traditional and modern avionics systems and procedures.
7. Demonstrate and evaluate the use of information systems and flight-planning skills.
8. Demonstrate effective communication and team process skills.
9. Employ analytical skills.
10. Demonstrate and evaluate aircraft operations.

**PROFESSIONAL PILOT SCIENCE**

Program: AS-26110

**PROGRAM LEARNING OUTCOMES (PLO) – Professional Pilot Science**

Required Technical Courses		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10
	Please enter all required technical courses within your program.	Exemplify the applications of safe and effective work practices.	Apply the fundamentals of flight.	Explain pertinent US Code of Federal Regulations Title 14, the National Transportation Safety Board (NTSB), and the Transportation Security Administration (TSA).	Describe and demonstrate applications of assessment of meteorology to aviation.	Describe and demonstrate applications of management of aircraft systems.	Demonstrate use of traditional and modern avionics systems and procedures.	Demonstrate and evaluate the use of information systems and flight planning skills.	Demonstrate effective communication and team process skill	Employ analytical skills.	Demonstrate and evaluate aircraft operations.
	<b>COURSE PREFIX &amp; NUMBER</b>										
1	GEB 2214								X		
2	ASC 2870	X		X	X			X	X	X	
3	ASC 2473	X			X	X		X	A	X	
4	ASC 1010	X	X	X					A	X	
5	ASC 1610	X				X	X			X	
6	ASC 1600C	X		X		X	X		X	X	X
7	ASC 1310	X		A						X	
8	ASC 1210	X			A		X	X		X	X
9	ASC 1550	X	X					X		A	X
10	ATF 1100L	X	A	X	X	X	X	X	X	X	A
11	ATF 2305L	X	X	X	X	X	A	X	X	X	X
12	ATF 2211L	A	X	X	X	A	X	X	X	X	X
13	ATT 1100	X	X	X	X	X	X	A		X	
14	ATT 2120	X		X	X	X	X	X		X	
15	ATT 2110	X		X	X	X	X	X		X	
	<b>ELECTIVES</b>										
17	ATF 2403L	X	X	X	X	X	X	X	X	X	X
19	ATF 2500L	X	X	X	X	X	X	X	X	X	X
20	ATF 2530L	X		X	X	X	X	X	X	X	X
21	ATF 2510L	X		X	X	X	X	X	X	X	X
18	ATT 2130	X	X	X	X			X	X	X	X

**PROFESSIONAL PILOT SCIENCE**

Program: AS-26110

**PROGRAM ASSESSMENTS: AY 2016-2017**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Exemplify the applications of safe and effective work practices.	80% of the students in ATF 2211L will pass the US FAA Commercial Pilot Practical Test (single engine or multiengine) per the FAA Practical Test Standards on the first attempt.		
PLO 2: Apply the fundamentals of flight.	80% of ATF 1100L students will pass the US FAA Private Pilot Single Engine Land Practical Test per the FAA Practical Test Standards on the first attempt.		
PLO 3: Explain pertinent US Code of Federal Regulations Title 14, the National Transportation Safety Board (NTSB), and the Transportation Security Administration (TSA).	80% of ASC 1310 students will receive a passing score on an oral presentation and summary paper which applies pertinent aviation rules and regulations to a current event in aviation.		
PLO 4: Describe and demonstrate applications of assessment of meteorology to aviation.	80% of students in ASC 1210 will receive a passing score on a weather briefing guide assignment, which explains the process of obtaining a weather briefing as well as how to use that information to plan and conduct safe flight operations.		
PLO 5: Describe and demonstrate applications of management of aircraft systems.	80% of the students in ATF 2211L will pass the US FAA Commercial Pilot Practical Test (single engine or multiengine) per the FAA Practical Test Standards on the first attempt.		
PLO 6: Demonstrate use of traditional and modern avionics systems and procedures.	80% of the students in ATF 2305L will pass the FAA Instrument Rating Practical Test per the FAA Practical Test Standards on the first attempt.		
PLO 7: Demonstrate and evaluate the use of	80% of students in ATF 1100L will pass the US FAA Private Pilot Single Engine Land		

information systems and flight planning skills.	Practical Test per the FAA Practical Test Standards on the first attempt.		
PLO 8: Demonstrate effective communication and team process skills.	<p>Assessment Measure 1: 80% of students in ASC 1010 will receive a passing score on an oral presentation and summary paper on a relevant aviation topic approved by the professor.</p> <p>Assessment Measure 2: 80% of the students in ASC 2473 will receive a passing score on a research paper addressing a human factors topic approved by the professor.</p>		
PLO 9: Employ analytical skills.	<p>Assessment Measure 1: 80% of students in ASC 1550 will receive a passing score on a flight planning and performance task for a virtual flight.</p> <p>Assessment Measure 2: 80% of the students in ASC 1550 will receive a passing score on a paper to analyze aircraft mishaps, identify planning and performance contributing factors, and present findings.</p>		
PLO 10: Demonstrate and evaluate aircraft operations.	80% of students in ATF 1100L will pass the US FAA Private Pilot Single Engine Land Practical Test per the FAA Practical Test Standards on the first attempt.		

**RADIOGRAPHY**

Program: AS-25570

**PROGRAM LEARNING OUTCOMES**

Upon successful completion of this program, graduates will be able to:

1. Demonstrate competent clinical skills.
2. Communicate effectively.
3. Solve problems effectively.
4. Solve basic computation problems.
5. Practice basic patient care effectively.
6. Practice radiation protection for the patient and self.

**RADIOGRAPHY**

Program: AS-25570

<b>PROGRAM LEARNING OUTCOMES (PLO) – RADIOGRAPHY</b>							
<b>Required Technical Courses</b>		<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>
	Please enter all required technical courses within your program.	Demonstrate competent clinical skills.	Communicate effectively.	Solve problems effectively.	Solve basic computation problems.	Practice basic patient care effectively.	Practice radiation protection for the patient and self.
	<b>COURSE PREFIX &amp; NUMBER</b>						
1	CSG 1061	X					
2	HSC 1531	X	X				
3	RTE 1000				X		X
4	RTE 1111	X	X	X		X	
5	RTE 1418			X	X		
6	RTE 1458			X	X		X
7	RTE 1503C	X	X	X		X	X
8	RTE 1513C	X	X	X		X	X
9	RTE 1613			X	X		X
10	RTE 1804L	X	X	X		X	X
11	RTE 1814L	X	X	X		X	X
12	RTE 2061			X	X	X	X
13	RTE 2385				X	X	X
14	RTE 2458C		X	X	X		
15	RTE 2523C	X	X	X			X
16	RTE2762	X				X	X
17	RTE 2782C		X	X			
18	RTE 2824L	X	X	X		X	X
19	RTE 2834L	X	X	X		X	X
20	RTE 2844L	X	X	X		X	X
21	RTE 2854L	X	X	X		X	X
	<b>ELECTIVES</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>
1	ENC 1101		X				
2	MAT 1033			X	X		
3	PHI 2600			X			
4	SS for gen ed.						
5	BSC 1084C	X				X	



**RADIOGRAPHY**

Program: AS-25570

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Demonstrate competent clinical skills.	80% of students will earn a 3 or higher on items 1-15 on the Clinical 6 evaluation.		
PLO 2: Communicate effectively.	80% of students will successfully complete the oral and written case study in the RTE 2523 Positioning 3 course with a grade of 85% or higher.		
PLO 3: Solve problems effectively.	80% of students will successfully complete the “adapting to non-traditional patients” scenario in the RTE 2523 Positioning 3 course with an 85% or higher.		
PLO 4: Solve basic computation problems.	100% of students will complete the Corectec “Selection of Technical Factors Exercise” in RTE 2061 with an 80% or higher.		
PLO 5: Practice basic patient care effectively.	80% of students will successfully complete all 4 patient care simulations in the RTE 1111 Nursing Procedures course.		
PLO 6: Practice radiation protection for the patient and self.	80% of students will earn a 4 or greater on item #8 on the Clinical 6 Evaluation.		

**RESPIRATORY CARE**

Programs: AS-25580

**PROGRAM LEARNING OUTCOMES**

The following are program outcomes in order to attain the program mission and goal:

The program graduates will be able to:

1. Display a sound basis in the scientific principles which form the foundation of respiratory care practice.
2. Understand the normal and abnormal states of cardiopulmonary physiology which are observed and/or treated in the clinical setting.
3. Demonstrate a clear idea of his/her role, responsibilities, ethics and professional conduct to the patient, the physician and other members of the health care team.
4. Apply the appropriate equipment, medical gases, and medications which are utilized by the respiratory care profession.
5. Demonstrate the appropriate skills and techniques associated with the safe practice of respiratory care.
6. Communicate effectively in oral and written formats which will be a resource for continued personal and professional growth.
7. Display critical thinking skills and analysis which will be a resource for continued personal and professional growth.

**RESPIRATORY CARE**

Program: AS-25580

<b>PROGRAM LEARNING OUTCOMES (PLO) - RESPIRATORY CARE PROGRAM</b>								
<b>Required Technical Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	
Please enter all required technical courses within your program.	Display a sound basis in the scientific principles which form the foundation of respiratory care practice	Understand the normal and abnormal states of cardiopulmonary physiology which are observed and/or treated in the clinical setting.	Demonstrate a clear idea of his/her role, responsibilities, ethics and professional conduct.	Apply the appropriate equipment, medical gases, and medications which are utilized by the respiratory care profession.	Demonstrate skills and techniques associated with the safe practice of respiratory care.	Communicate effectively in oral and written formats.	Display critical thinking skills and analysis which will be a resources for continued personal and professional growth.	
<b>COURSE PREFIX &amp; NUMBER</b>								
1 RET 1024C	X		X	X		X		
2 RET 1026C	X		X	X		X	X	
3 RET 1485	X	X				X		
4 RET 2483	X	X	X	X	X	X	X	
5 RET 1264C	X		X	X	X	X	X	
6 RET 1293	X	X	X	X		X	X	
7 RET 1832	X	X	X	X	X	X	X	
8 RET 1414		X			X	X	X	
9 RET 1534		X	X			X	X	
10 RET 1833		X	X	X	X	X	X	
11 RET 2714		X	X	X		X	X	
12 RET 2876			X	X	X	X	X	
13 RET 2934			X		X	X	X	
14 RET 2877			X		X	X	X	
<b>REQUISITES</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	
1 BSC 2086C	X							
2 CHM 1025C	X							
3 MCB 2010C		X						

**RESPIRATORY CARE**

Program: AS-25580

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Display a sound basis in the scientific principles which form the foundation of respiratory care practice.	≥ 80% of <u>RET 1264C</u> students will demonstrate ≥ 78% proficiency on the comprehensive final written and lab exams.		
PLO 2: Understand the normal and abnormal states of physiology & specifically cardiopulmonary physiology.	≥ 80% of <u>RET1293</u> students will demonstrate ≥ 78% proficiency on the comprehensive final exam.		
PLO 3: Demonstrate a clear idea of his/her role, responsibilities, ethics and professional conduct.	≥ 80% of <u>RET1832</u> students will demonstrate ≥ 78% proficiency on the clinical I practicum evaluation(s).		
PLO 4: Apply the appropriate equipment, medical gases and medications utilized by the respiratory therapist.	≥ 80% of <u>RET1833</u> students will demonstrate ≥ 78% proficiency on the clinical II practicum evaluation(s).		
PLO 5: Demonstrate the appropriate skills, techniques, and protocols associated with safe practice.	≥ 80% of <u>RET2877</u> students will demonstrate ≥ 78% proficiency on the clinical IV practicum evaluation(s).		
PLO 6: Communicate effectively in oral and written formats growth.	≥ 80% of <u>RET1293</u> students will demonstrate ≥ 78% proficiency on a 10 page report on a cardiopulmonary disease state, and 10-15 min. oral presentation.		
PLO 7: Display the critical thinking skills and analysis which will be a resource for continued personal and professional growth.	≥ 80% of <u>RET2877</u> students will demonstrate ≥ 78% proficiency on a 20 page senior project and a 20-30 min. oral presentation.		

**SUPPLY CHAIN MANAGEMENT**

Program: AS-25710

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

1. Demonstrate an understanding of logistics, and Supply Chain Management basics.
2. Demonstrate an understanding of transportation systems.
3. Demonstrate an understanding of warehousing and materials handling.
4. Demonstrate an understanding of inventory and supply planning.
5. Demonstrate an understanding of purchasing/contracting.
6. Demonstrate an understanding of production.
7. Demonstrate an understanding of product quality management.
8. Develop an understanding of how accounting impacts inventory and purchasing decisions.
9. Develop understanding of how international markets impact distribution activities.
10. Demonstrate an understanding of business law, ethics and legal issues.
11. Demonstrate an understanding of information technology applications.
12. Utilize effective negotiation skills.

**SUPPLY CHAIN MANAGEMENT**

Program: AS-25710

**PROGRAM LEARNING OUTCOMES (PLO) - Supply Chain Management**

Required Technical Courses		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11	PLO 12
	Please enter all required technical courses within your program.	Demonstrate an understanding of Logistics, and Supply Chain Management Basics.	Demonstrate an understanding of Transportation Systems.	Demonstrate an understanding of Warehousing and Materials Handling.	Demonstrate an understanding of Inventory and Supply Planning.	Demonstrate an understanding of Purchasing/ Contracting.	Demonstrate an understanding of Production.	Demonstrate an understanding of product quality management .	Develop an understanding of how accounting impacts inventory and purchasing decisions.	Develop understanding of how international markets impact distribution activities.	Demonstrate an understanding of Business Law, Ethics and Legal Issues.	Demonstrate an understanding of Information Technology Applications .	Utilize effective negotiation skills.
	<b>COURSE PREFIX &amp; NUMBER</b>												
1	CGS 1100											X	
2	ACG 2072								X				
3	TRA 1154	X											
4	TRA 2230			X									
5	TRA 2010		X										
6	MAN 2043							X					
7	TRA 2131				X	X			X				
8	MAN 2500						X						
9	BUL 2131										X		
10	MAN 2440												X
11	GEB 2350									X			
12	ISM 2000											X	

**SUPPLY CHAIN MANAGEMENT**

Program: AS-25710

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Demonstrate an understanding of Logistics, and Supply Chain Management Basics.	TRA 1154 Introduction to Supply Chain Management  80% of students enrolled will score 75% or above in a comprehensive course final.		
PLO 2: Demonstrate an understanding of Transportation Systems.	TRA 2010 Transportation and Distribution  80% of students enrolled will score 75% or above in a comprehensive course final.		
PLO 3: Demonstrate an understanding of Warehousing and Materials Handling.	TRA 2230 Warehouse Management  80% of students enrolled will score 75% or above in a comprehensive course final.		
PLO 4: Demonstrate and understanding of Inventory and Supply Planning	TRA 2131 Purchasing and Inventory Management  80% of students enrolled will score 75% or above in a comprehensive course final.		
PLO 5: Demonstrate and understanding of Purchasing/Contracting.	TRA 2131 Purchasing and Inventory Management 80% of students enrolled will score 75% or above in a comprehensive course final.		
PLO 6: Demonstrate an understanding of Production.	MAN 2500 Operations Management  80% of students enrolled will score 75% or above in a comprehensive course final.		
PLO 7: Demonstrate an understanding of Product Quality Management.	MAN 2043 Principles of Quality Management  80% of students enrolled will score 75% or above in a comprehensive course final.		

<p>PLO 8: Develop an understanding of how accounting impacts inventory and purchasing decisions.</p>	<p>ACG 2072 Accounting for Professionals</p> <p>75% of students enrolled will score at least a 40% on the pre-test and 70% on the post- test exams.</p>		
<p>PLO 9: Develop understanding of how international markets impact distribution activities.</p>	<p>GEB 2350 Introduction to International Business</p> <p>80% of students enrolled will score 75% or above in a comprehensive course final.</p>		
<p>PLO 10: Demonstrate an understanding of Business Law, Ethics and Legal Issues.</p>	<p>BUL 2131 Commercial Law</p> <p>80% of students will demonstrate an understanding of the legal system, issues, and analysis in commercial law by passing a comprehensive exam with a 75% or higher.</p>		
<p>PLO 11: Demonstrate an understanding of Information Technology Applications.</p>	<p>CGS 1100 Business Applications on Microcomputers(<i>Ivey</i>)</p> <p>SAM 2007 Assessment Comprehensive Final Exam with a 70% passing rate.</p>		
<p>PLO 12: Utilize effective negotiation skills.</p>	<p>MAN 2440 Negotiation Skills</p> <p>80% of students enrolled will score 75% or above in a comprehensive course project.</p>		



# **APPLIED TECHNOLOGY DIPLOMA**



**EMERGENCY MEDICAL TECHNOLOGY**

Program: B8130

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will know and be able to:

1. Demonstrate an understanding of the principles of advanced pre-hospital care including well-being and safety of the EMT and roles and responsibilities within EMS systems.
2. Identify normal and abnormal findings while demonstrating the techniques of a comprehensive patient interview and physical exam.
3. Demonstrate professional judgment, ethical standards, critical thinking, assessment and all other skills necessary to fulfill the role of the entry level EMT.
4. Communicate effectively in both oral and written formats.
5. Demonstrate effective implementation of all basic life support skills.
6. Demonstrate an understanding of EMT care in the hospital and nursing home setting.

**EMERGENCY MEDICAL TECHNOLOGY**

Program: B8130

<b>PROGRAM LEARNING OUTCOMES (PLO) - Emergency Medical Technology, ATD</b>							
<b>Required Technical Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	
Please enter all required technical courses within your program.  <div style="background-color: yellow; text-align: center; padding: 5px;"><b>COURSE PREFIX &amp; NUMBER</b></div>	Demonstrate an understanding of the principles of advanced prehospital care including well-being and safety of the EMT and roles and responsibilities within EMS systems.	Identify normal and abnormal findings while demonstrating the techniques of a comprehensive patient interview and physical exam.	Demonstrate professional judgment, ethical standards, critical thinking, assessment and all other skills necessary to fulfill the role of the entry level EMT.	Communicate effectively in both oral and written formats.	Demonstrate effective implementation of all basic life support skills.	Demonstrate an understanding of EMT care in the hospital and nursing home setting.	
1 EMS 1158	X	X					
2 EMS 1158L		X	X	X	X	X	

**EMERGENCY MEDICAL TECHNOLOGY**

Program: B8130

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Demonstrate an understanding of the principles of advanced pre-hospital care including well-being and safety of the EMT and roles and responsibilities within EMS systems.	At least 80% of EMS 1159 students will demonstrate at least 80% proficiency on the comprehensive exam.		
PLO 2: Identify normal and abnormal findings while demonstrating the techniques of conducting a comprehensive patient interview and physical exam.	At least 80% of EMS 1159 students will demonstrate at least an overall 80% on all scenarios. At least 80% of EMS 1159L students will receive a score of 0 or greater on a scale of -2 to 1 on the categories of history of chief complaint and patient assessment.		
PLO 3: Demonstrate professional judgment, ethical standards, critical thinking, assessment and all other skills necessary to fulfill the role of the entry level EMT.	At least 80% of EMS 1159L students will receive a score of 0 or greater on a scale of -2 to 1 on all clinical categories included on the Paramedic Terminal Evaluation form.		
PLO 4: Communicate effectively in both oral and written formats.	At least 80% of EMS 1159L students will receive a score of 0 or greater on a scale of -2 to 1 on the categories of telemetry reports, verbal reports, and report writing from evaluations.		
PLO 5: Recognize the need for and demonstrate effective implementation of all basic life support skills.	At least 80% of EMS 1159L students will demonstrate all BLS skills a minimum of 3 times.		
PLO 6: Demonstrate an understanding of EMT care in the hospital and nursing home setting.	At least 80% of EMS 1159L students will earn a score of 0 or greater on a scale of -2 to 1 on clinical hospital and nursing home reports in the categories of involvement with patients, patient assessment, patient		

	relationship, and attitude from evaluations.		
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**MEDICAL RECORDS TRANSCRIPTION**

ATD Program: B8060

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will know and be able to:

1. Apply English grammar and punctuation rules and practices in general and as they apply to the language of medicine.
2. Utilize the Associate for Healthcare Documentation Integrity (AHDI) Book of Style, 3<sup>rd</sup> Edition for accurate editing of medical record dictation.
3. Apply an understanding of medical terminology and medical language structure to facilitate accurate transcription of dictated data.
4. Apply knowledge of anatomy and physiology, organ system interaction, and the disease process in decision-making processes to facilitate accurate transcription of dictated data.
5. Recognize, research, and apply correct spelling, dosages, and transcription style to prescription and over-the-counter medicines and other treatment modalities.
6. Recognize general medicolegal aspects of health care professions, professional and ethical conduct expectations, and privacy and security issues related to patient records.
7. Utilize computerized equipment for Internet research and transcription of dictated data using current technology and industry standards.
8. Recognize the need for involvement in professional groups at local, state, and national levels in order to enhance profession skills and establish professional network.

**MEDICAL RECORDS TRANSCRIPTION**

ATD Program: B8060

<b>PROGRAM LEARNING OUTCOMES (PLO) - MEDICAL RECORDS TRANSCRIPTION</b>									
<b>Required Technical Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>	
Please enter all required technical courses within your program.  <b>COURSE PREFIX &amp; NUMBER</b>	Apply English grammar and punctuation rules and practices in general and as they apply to the language of medicine.	Utilize the Associate for Healthcare Documentation Integrity (AHDI) Book of Style, 3rd Edition for accurate editing of medical record dictation.	Apply an understanding of medical terminology and medical language structure to facilitate accurate transcription of dictated data.	Apply knowledge of anatomy and physiology, organ system interaction, and the disease process in decision-making processes to facilitate accurate transcription of dictated data.	Recognize, research, and apply correct spelling, dosages, and transcription style to prescription and over-the-counter medicines and other treatment modalities.	Recognize general medicolegal aspects of health care professions, professional and ethical conduct expectations, and privacy and security issues related to patient records.	Utilize computerized equipment for Internet research and transcription of dictated data using current technology and industry standards.	Recognize the need for involvement in professional groups at local, state, and national levels in order to enhance profession skills and establish professional network.	
1 BSC 1084C				X					
2 ENC 1101	X								
3 HIM 1000C						X			
4 HIM 1442		X			X				
5 HSC 1531			X						
6 OST 1611C	X	X	X	X			X	X	
7 OST 1711							X		
8 OST 2471				X		X			
9 OST 2612C	X	X	X	X			X	X	
10 OST 2613C	X	X	X	X			X	X	
11 OST 2940	X	X	X	X			X	X	

**MEDICAL RECORDS TRANSCRIPTION**

ATD Program: B8060

**PROGRAM ASSESSMENTS**

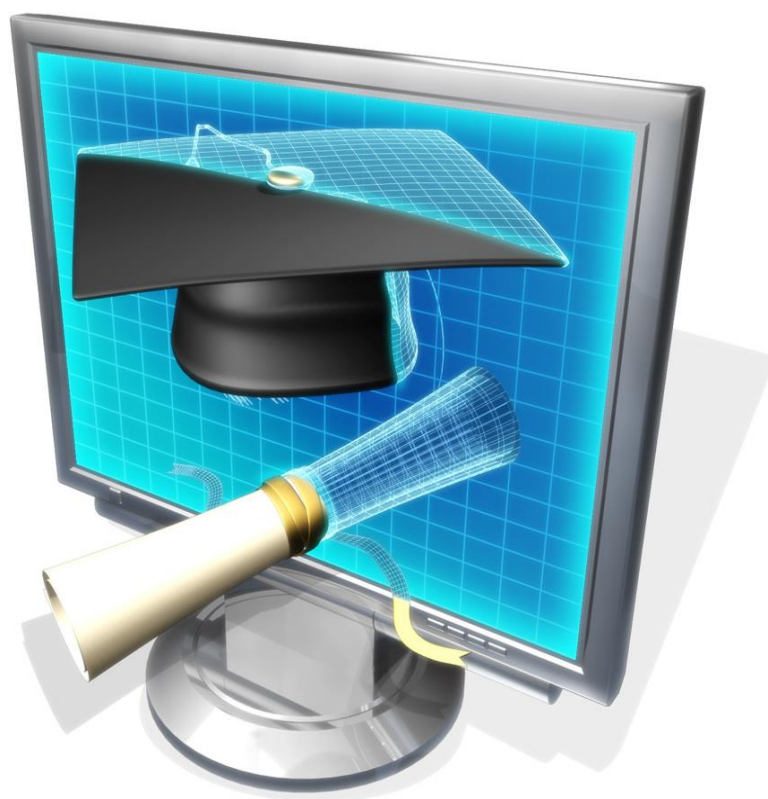
Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Apply English grammar and punctuation rules and practices in general and as they apply to the language of medicine.	75% of students will achieve 70% on the final exam in OST2940 Questions 1-10.		
PLO 2: Utilize the Association for Healthcare Documentation Integrity (AHDI) Book of Style, 3 <sup>rd</sup> Edition for accurate editing of medical record dictation.	75% of students will achieve 70% on the final in exam in OST2940 Questions 11-20.		
PLO 3: Apply an understanding of medical terminology and medical language structure to facilitate accurate transcription of dictated data.	75% of students will achieve 70% on the final exam in OST2940 Questions 21-30.		
PLO 4: Apply knowledge of anatomy and physiology, organ system interaction, and the disease process in decision-making processes to facilitate accurate transcription of dictated data.	75% of students will achieve 70% on the final exam in OST2940 Questions 31-35.		
PLO 5: Recognize, research, and apply correct spelling, dosages, and transcription style to prescription and over-the-counter medicines and other treatment modalities.	75% of students in HIM1442 will achieve 80% proficiency on the final exam.		
PLO 6: Recognize general medicolegal aspects of health care professions, professional and ethical conduct expectations, and privacy and security issues related to patient records.	80% of students will achieve 80% proficiency on the final exam in OST2471.		
PLO7: Utilize computerized equipment for Internet research and transcription of	75% of students will achieve 70% proficiency on the final exam in OST2940 Questions 36-40.		



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dictated data according to industry standards.			
PLO 8: Recognize the need for involvement in professional groups at local, state, and national levels to enhance skills and establish professional network.	Students will attend at least one meeting at local, state, or national level.		

# **COLLEGE CREDIT CERTIFICATES**



**BOOKEEPING CERTIFICATE**

Program: 68040

**PROGRAM LEARNING OUTCOMES**

Upon successful completion of the certification program, students will be able to:

1. Demonstrate an understanding of the theory of double-entry bookkeeping and the practice of journals and ledgers.
2. Demonstrate an understanding of financial accounting commensurate with an entry level position in accounting.
3. Prepare payroll documents and reconcile banking statements.
4. Demonstrate comprehension and communication skills.
5. Demonstrate proficiency in using microcomputer and electronic skills to perform job functions.
6. Perform financial and microcomputer accounting activities.
7. Understand the legal and business environment of the accounting field.
8. Perform information processing activities.

**BOOKEEPING CERTIFICATE**

Program: 68040

**PROGRAM LEARNING OUTCOMES (PLO) - Bookkeeping Certificate**

Required Technical Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8
Please enter all required technical courses within your program.	Demonstrate an understanding of the theory of double-entry bookkeeping and the practice of journals and ledgers.	Demonstrate an understanding of financial accounting commensurate with an entry level position in accounting.	Prepare payroll documents and reconcile banking statements.	Demonstrate comprehension and communication skills.	Demonstrate proficiency in using microcomputer and electronic skills to perform job functions.	Perform financial and microcomputer accounting activities.	Understand the legal and business environment of the accounting field.	Perform information processing activities.
<b>COURSE PREFIX &amp; NUMBER</b>								
1 ACG 2001		X		X			X	
2 ACG 2011		X					X	
3 ACG 2450						X		
4 APA 2135	X							
5 APA 2136			X					
6 CGS 1510					X			X

**BOOKEEPING CERTIFICATE**

Program: 68040

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Demonstrate an understanding of the theory of double-entry bookkeeping and the practice of journals and ledgers.	APA 2135 Bookkeeping I  75% of students enrolled will score at least a 40% on the pre-test and 70% on the post- test exams.		
PLO 2: Demonstrate an understanding of financial accounting commensurate with an entry level position in accounting.	ACG 2011 Principles of Financial Accounting II  75% of students enrolled will score at least a 40% on the pre-test and 70% on the post- test exams.		
PLO 3: Prepare payroll documents and reconcile banking statements.	APA 2136 Bookkeeping II  75% of students enrolled will score at least a 40% on the pre-test and 70% on the post- test exams.		
PLO 4: Demonstrate comprehension and communications skills.	ACG 2001 Principles of Financial Accounting I  75% of students enrolled will score at least a 40% on the pre-test and 70% on the post- test exams.		
PLO 5: Demonstrate proficiency in using microcomputers and electronic skills to perform job functions.	CGS 1510 Spreadsheet Fundamentals  90% of students enrolled successfully master skills established for this course.		
PLO 6: Perform financial and microcomputer accounting activities.	ACG 2450 Microcomputer Accounting  75% of students enrolled will score at least a 40% on the pre-test and 70% on the post- test exams.		
PLO 7: Understand the legal and business environment of the accounting field.	ACG 2011 Principles of Financial Accounting II		

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	75% of students enrolled will score at least a 40% on the pre-test and 70% on the post- test exams.		
PLO 8: Perform information processing activities.	CGS 1510 Spreadsheet Fundamentals  90% of students enrolled successfully master skills established for this course.		

**CHILDCARE CENTER MANAGEMENT CERTIFICATE**

Program: 68000

**PROGRAM LEARNING OUTCOMES**

After successful completion of this certificate program, graduates will be able to:

1. Plan a developmentally/culturally appropriate program curriculum inclusive of activities that facilitate principle and process of child development to enhance the whole child.
2. Design a safe, clean, and healthy learning environment while supporting state/local regulations and accreditation standards to maintain a quality program.
3. Explain developmental tasks relative to the various stages of development of young children.
4. Use appropriate guidance and classroom management techniques.

**CHILDCARE CENTER MANAGEMENT CERTIFICATE**

Program: 68000

<b>PROGRAM LEARNING OUTCOMES (PLO) - Child Care Center Management Certificate</b>					
	<b>Required Technical Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>
	Please enter all required technical courses within your program.	Plan a developmentally/ culturally appropriate program curriculum inclusive of activities that facilitate principle and process of child development to enhance the whole child.	Design a safe, clean, and healthy learning environment while supporting state/local regulations and accreditation standards to maintain a quality program.	Explain developmental tasks relative to the various stages of development of young children.	Use appropriate guidance and classroom management techniques.
	<b>COURSE PREFIX &amp; NUMBER</b>				
1	CHD 1380	X			
2	CHD 2220			R	
3	CHD 2320	X			X
4	CHD 2801		R		



**CHILDCARE CENTER MANAGEMENT CERTIFICATE**

Program: 68000

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Plan a developmentally/culturally appropriate program curriculum inclusive of activities that facilitate principle and process of child development to enhance the whole child.	80% of CHD1440 students will receive at least a 2 on a scale of 0-3 on the Program Management domain of the Teacher's Skills Checklist.		
PLO 2: Design a safe, clean, and healthy learning environment while supporting state/local regulations and accreditation standards to maintain a quality program.	80% of CHD2801 students will design indoor and outdoor environments which will include at least 12 of 15 licensing requirements that are mandated for a safe and healthy program.		
PLO 3: Explain developmental tasks relative to the various stages of development of young children.	80% of CHD2020 students will demonstrate an 80% proficiency in recognizing and aligning the developmental milestones of young children through classroom activities and a test.		
PLO 4: Use appropriate guidance and classroom management techniques.	80% of CHD1440 students will receive at least a 2 on a scale of 0-3 on the Providing Guidance domain of the Teacher's Skills Checklist.		

**CISCO CCNA CERTIFICATE**

Program: 68340

**PROGRAM LEARNING OUTCOMES**

After successful completion of this certificate program, graduates will know and be able to:

1. Demonstrate skill with switching concepts including trunking, STP, VLANs and port security.
2. Demonstrate skill with routing concepts including ACLs, NAT and WAN routing protocols such as Frame Relay, PPP and ATM.
3. Design, install and troubleshoot a Local Area Network (LAN).
4. Describe the fundamentals of Wide Area Networking (WAN).

**CISCO CCNA CERTIFICATE**

Program: 68340

**PROGRAM LEARNING OUTCOMES (PLO) – CISCO CCNA Certificate**

Required Technical Courses		PLO 1	PLO 2	PLO 3	PLO 4
	Please enter all required technical courses within your program.	Demonstrate skill with switching concepts including trunking, STP, VLANs and port security.	Demonstrate skill with routing concepts including ACLs, NAT, and WAN routing protocols such as Frame Relay, PPP, and ATM.	Design, install and troubleshoot a Local Area Network (LAN).	Describe the fundamentals of Wide Area Networking (WAN).
	<b>COURSE PREFIX &amp; NUMBER</b>				
1	CET 1600C			X	
2	CET 1610C				X
3	CET 2615C	X			
4	CET 2620C		X		

**CISCO CCNA CERTIFICATE**

Program: 68340

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Demonstrate skill with switching concepts including trunking, STP, VLANs and port security.	80% of students in CET 2615C will successfully complete the skill based final and the written final as defined by the Cisco Academy.		
PLO 2: Demonstrate skill with routing concepts including ACLs, NAT, and WAN routing protocols such as Frame Relay, PPP, and ATM.	80% of students in CET 2620C will successfully complete the skill based final and the written final as defined by the Cisco Academy.		
PLO 3: Design, install and troubleshoot a Local Area Network (LAN).	80% of students in CET1600C will successfully complete the skill based final and the written final as defined by the Cisco Academy.		
PLO 4: Describe the fundamentals of Wide Area Networking (WAN).	80% of students in CET1610C will successfully complete the skill based final and the written final as defined by the Cisco Academy.		

### **PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

1. Demonstrate advanced skills required to implement and support enterprise-class switched networks with integrated voice and wireless applications.
2. Demonstrate advanced skills required to implement and support enterprise-class IP routing networks.
3. Demonstrate advanced skills required to optimize QoS in converged networks that support voice, wireless and security applications.

**CISCO CCNP CERTIFICATE**

Program: 68350

**PROGRAM LEARNING OUTCOMES (PLO) - Advanced Cisco CCNP Certificate**

<b>PROGRAM LEARNING OUTCOMES (PLO) - Advanced Cisco CCNP Certificate</b>				
	<b>Required Technical Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>
	Please enter all required technical courses within your program.	Demonstrate advanced skills required to implement and support enterprise-class switched networks with integrated voice and wireless applications.	Demonstrate advanced skills required to implement and support enterprise-class IP routing networks.	Demonstrate advanced skills required to optimize QoS in converged networks that support voice, wireless and security applications.
	<b>COURSE PREFIX &amp; NUMBER</b>			
1	CET 2626C	X		
2	CET 2627C			X
3	CET 2628C			X
	<b>ELECTIVES</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>
1	CET 2629C			
2	CET 2665C			
3	CET 2682C			

**CISCO CCNP CERTIFICATE**

Program: 68350

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Demonstrate advanced skills required to implement and support enterprise-class switched networks with integrated voice and wireless applications.	80% of students in CET 2626C will successfully complete the skill based final and the written final as defined by the Cisco Academy.		
PLO 2: Demonstrate advanced skills required to implement and support enterprise-class IP routing networks.	80% of students in CET 2625C will successfully complete the skill based final and the written final as defined by the Cisco Academy.		
PLO 3: Demonstrate advanced skills required to optimize QoS in converged networks that support voice, wireless and security applications.	80% of students in CET 2627C and CET 2628C will successfully complete the skill based final and the written final as defined by the Cisco Academy.		

**ENTREPRENEURSHIP CERTIFICATE**

Program: 68050

**PROGRAM LEARNING OUTCOMES**

After completion of this program, graduates will be able to:

1. Evaluate the macro-environment that businesses operate within to determine entrepreneurial opportunities.
2. Utilize accounting concepts to interpret financial data, and use that data to make informed decisions about the operating performance and financial position of a company.
3. Demonstrate an understanding of the legal and regulatory issues of operating a business.
4. Recommend appropriate marketing strategies that enable a business to succeed.
5. Apply leadership and managerial skills to build relationships in the workplace that are effective with customers, employees, and suppliers.
6. Assess all aspects of operating a small business.
7. Assess the ability of a business to raise capital through the completion of a comprehensive business plan.



**ENTREPRENEURSHIP CERTIFICATE**

Program: 68050

<b>PROGRAM LEARNING OUTCOMES (PLO) - Advanced Cisco CCNP Certificate</b>								
<b>Required Technical Courses</b>		<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>
	Please enter all required technical courses within your program.	Evaluate the macro-environment that businesses operate within to determine entrepreneurial opportunities.	Utilize accounting concepts to interpret financial data, and use that data to make informed decisions about the operating performance and financial position of a company.	Demonstrate an understanding of the legal and regulatory issues of operating a business.	Recommend appropriate marketing strategies that enable a business to succeed.	Apply leadership and managerial skills to build relationships in the workplace that are effective with customers, employees, and suppliers.	Assess all aspects of operating a small business.	Assess the ability of a business to raise capital through the completion of a comprehensive business plan.
	<b>COURSE PREFIX &amp; NUMBER</b>							
1	ENT 1000	X						
2	ENT 2112						X	
3	SBM 2000							X
	<b>ELECTIVES</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>
1	ACG 2071		X					
2	ACG 2072		X					
3	BUL 2241			X				
4	FIN 2000		X					
5	MAN 2021					X		
6	MAR 2011				X			
7	MKA 2021				X			
8	MKA 2041				X			
9	MKA 2511				X			

**ENTREPRENEURSHIP CERTIFICATE**

Program: 68050

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Evaluate the macro-environment that businesses operate within to determine entrepreneurial opportunities.	ENT 1000- Intro. To Entrepreneurship  80 % of students will score/achieve a 75% or above on instructor developed comprehensive final exam.	Program began in Fall 2012. Ongoing assessments will be given each semester and analyzed for results.	Changes to program will be made based on student feedback and assessment results.
PLO 2: Utilize accounting concepts to interpret financial data, and use that data to make informed decisions about the operating performance and financial position of a company.	ACG 2071 Managerial Accounting, or ACG 2072 Accounting for Professionals  75% of students enrolled will score at least a 40% on the pre-test and 70% on the post- test exams  FIN 2000-Principles of Finance 70% of students enrolled will score 75% or above in a comprehensive course final.	Program began in Fall 2012. Ongoing assessments will be given each semester and analyzed for results.	Changes to program will be made based on student feedback and assessment results.
PLO 3: Demonstrate an understanding of the legal and regulatory issues of operating a business.	BUL 2241 Business Law  "80% of students will demonstrate an understanding of the legal system, issues, and analysis by passing a comprehensive exam with a 75% or higher."	Program began in Fall 2012. Ongoing assessments will be given each semester and analyzed for results.	Changes to program will be made based on student feedback and assessment results.
PLO 4: Recommend appropriate marketing strategies that enable a business to succeed.	MAR 2011 Principles of Marketing, MKA 2021 Principles of Selling, MKA 2041 Principles of Retailing, or MKA 2511 Principles of Advertising  80 % of students will score/achieve a 75% or above on instructor developed comprehensive final exam.	Program began in Fall 2012. Ongoing assessments will be given each semester and analyzed for results.	Changes to program will be made based on student feedback and assessment results.
PLO 5: Apply leadership and managerial skills to build relationships in the workplace that are effective with	MAN 2021 Principle of Management  80% or students will score/achieve a 75% or above on	Program began in Fall 2012. Ongoing assessments will be given each semester	Changes to program will be made based on student feedback and assessment results.

customers, employees, and suppliers.	instructor developed comprehensive final exam.	and analyzed for results.	
PLO 6: Assess all aspects of operating a small business.	ENT 2112 Entrepreneurship Opportunity Analysis  80 % of students will score/achieve a 75% or above on instructor developed comprehensive final exam.	Program began in Fall 2012. Ongoing assessments will be given each semester and analyzed for results.	Changes to program will be made based on student feedback and assessment results.
PLO 7: Assess the ability of a business to raise capital through the completion of a comprehensive business plan.	SBM 2000 Small Business Management  85% of students will score/achieve a 75% or above on business plan project, scored with rubric.	Program began in Fall 2012. Ongoing assessments will be given each semester and analyzed for results.	Changes to program will be made based on student feedback and assessment results.

**GRAPHIC DESIGN CERTIFICATE**

Program: 68400

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

1. Incorporate principles of good design, composition, lighting, interactivity, usability, typography, artistry, creativity, and aesthetics using appropriate tools and techniques to produce pleasing products.
2. Develop targeted messages and use industry-standard tools to create, manage, and communicate that message using appropriate formats, channels, and messaging techniques.
3. Create, manipulate, manage, and distribute digital media using existing and emerging technologies that conform to industry standards of good design.
4. Use multimedia tools for web, video, audio, imaging, animation, and programming to create products that meet clients' requirements and conform to good standards of design, usability, and visual appeal.

**GRAPHIC DESIGN CERTIFICATE**

Program: 68400

<b>PROGRAM LEARNING OUTCOMES (PLO) - Medical Coding Specialist Certificate</b>					
	<b>Required Technical Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>
	Please enter all required technical courses within your program.	Incorporate principles of good design, composition, lighting, interactivity, usability, typography, artistry, creativity, and aesthetics using appropriate tools and techniques to produce pleasing products.	Develop targeted messages and use industry-standard tools to create, manage, and communicate that message using appropriate formats, channels, and messaging techniques.	Create, manipulate, manage, and distribute digital media using existing and emerging technologies that conform to industry standards of good design.	Use multimedia tools for web, video, audio, imaging, animation, and programming to create products that meet clients' requirements and conform to good standards of design, usability, and visual appeal.
	<b>COURSE PREFIX &amp; NUMBER</b>				
1	CGS 2820C	X	X		M
2	DIG 2109C	X	X	M	
3	GRA 1206C	X	X	X	
4	GRA 2120C	M	X	X	
5	GRA 2156C	X	M	X	

**GRAPHIC DESIGN CERTIFICATE**

Program: 68400

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
<p>PLO 1: Incorporate principles of good design, composition, lighting, interactivity, usability, typography, artistry, creativity, and aesthetics using appropriate tools and techniques to produce pleasing products.</p>	<p>Benchmark: 80% of students must create a brochure, flyer, advertisement or similar product that meets standard of good design and is suitable for inclusion in a portfolio and earns a grade of 70% or higher.</p>		
<p>PLO 2: Develop targeted messages and use industry-standard tools to create, manage, and communicate that message using appropriate formats, channels, and messaging techniques.</p>	<p>Benchmark: 80% of students must pass final exam with a grade of 70% or higher.</p>		
<p>PLO 3: Create, manipulate, manage, and distribute digital media using existing and emerging technologies that conform to industry standards of good design.</p>	<p>Benchmark: 80% of students must pass final exam with a grade of 70% or higher.</p>		
<p>PLO 4: Use multimedia tools for web, video, audio, imaging, animation, and programming to create products that meet clients' requirements and conform to good standards of design, usability, and visual appeal.</p>	<p>Benchmark: 80% of students must create a website that incorporates multimedia and has good visual appeal and usability and earns a grade of 70% or higher.</p>		

**MEDICAL CODING SPECIALIST CERTIFICATE**

Program: 68030

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

1. Demonstrate essential application principles of Health Information Technologist.
2. Illustrate principles, application and reimbursement guidelines of Clinical Classifications systems of ICD-9-CM/ICD-10-CM.
3. Illustrate principles, application and reimbursement guidelines of Clinical Classification of CPT.

**MEDICAL CODING SPECIALIST CERTIFICATE**

Program: 68030

<b>PROGRAM LEARNING OUTCOMES (PLO) - Medical Coding Specialist Certificate</b>				
<b>Required Technical Courses</b>		<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>
	Please enter all required technical courses within your program.	Demonstrate essential application principles of Health Information Technologist	Illustrate principles, applications and reimbursement guidelines of Clinical Classification systems ICD-9-CM/ICD-10-CM.	Illustrate principles, application and reimbursement guidelines of Clinical Classification of CPT.
	<b>COURSE PREFIX &amp; NUMBER</b>			
1	HIM 1000C	X		
2	HIM 1400C	X		
3	HIM 1442	X		
4	HIM 1222C	X	X	
5	HIM 2234C	X	X	X
6	HIM 2253C	X	X	X
7	HIM 2810L	X	X	X
8	HIM 2935	X	X	X



**MEDICAL CODING SPECIALIST CERTIFICATE**

Program: 68030

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
<b>PLO 1:</b> Demonstrate essential application principles of Health Information Technologist.	At least 80% of 1000C HIM/CCS students will demonstrate at least 75% proficiency on the comprehensive unit/final exam.		
<b>PLO 2:</b> Illustrate principles, application and reimbursement guidelines of Clinical Classifications systems of ICD-9-CM/ICD-10-CM.	At least 80% of Coding 2810L students will demonstrate expected competencies by passing the practicum application exercises for each lesson. (Exercises are pass/fail).		
<b>PLO 3:</b> Illustrate principles, application and reimbursement guidelines of Clinical Classification of CPT.	At least 80% of Coding 2253C students will demonstrate at least 75% proficiency on unit/final exam.		

(Gray= done)

(Yellow= need data)

**MICROCOMPUTER REPAIR/INSTALLATION CERTIFICATE**

Program: 68310

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

1. Install, configure, secure, optimize and troubleshoot Windows Vista workstations.
2. Demonstrate the ability to diagnosis and repair microcomputers.
3. Discuss and implement beginning network protocols, IP addressing, LANs and router configuration.

**MICROCOMPUTER REPAIR/INSTALLATION CERTIFICATE**

Program: 68310

**PROGRAM LEARNING OUTCOMES (PLO) - Microcomputer Repair/Installation Certificate**

Required Technical Courses		PLO 1	PLO 2	PLO 3
	Please enter all required technical courses within your program.	Install, configure, secure, optimize and troubleshoot Windows Vista workstations.	Demonstrate the ability to diagnosis and repair microcomputers.	Discuss and implement beginning network protocols, IP addressing, LANs and router configuration.
	<b>COURSE PREFIX &amp; NUMBER</b>			
1	CET 1174C		X	
2	CTS 2110C	X	X	
3	CET 1600C			X
4	CET 1610C			X
5	CET 1162C	X		

**MICROCOMPUTER REPAIR/INSTALLATION CERTIFICATE**

Program: 68310

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Install, configure, secure, optimize and troubleshoot Windows Vista workstations.	80% of students in CTS2110C will take CET1174C and pass the A+ certification.		
PLO 2: Demonstrate the ability to diagnosis and repair microcomputers.	80% of students in CET1174C will take CTS2110C and pass the A+ certification.		
PLO 3: Discuss and implement beginning network protocols, IP addressing, LANs and router configuration.	80% of students in CET1600C and CET1610C will successfully complete the skill based finals and the written finals as defined by the Cisco Academy.		

**PARAMEDIC CERTIFICATE**

Program: 68160

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will know and be able to:

1. Demonstrate an understanding of the principles of advanced prehospital care including well-being and safety of the Paramedic and roles and responsibilities within EMS systems.
2. Identify normal and abnormal findings while demonstrating the techniques of a comprehensive patient interview and physical exam.
3. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the trauma patient including blunt, penetrating, soft-tissue, and musculoskeletal trauma, burns, and hemorrhage and shock.
4. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the medical patient including pulmonology, cardiology, neurology, psychiatric, and OB/GYN emergencies.
5. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for neonatal, pediatric, and geriatric patients, diverse patients, and chronically ill patients.
6. Communicate effectively in both oral and written formats.
7. Demonstrate professional judgment, ethical standards, critical thinking, assessment and all other skills necessary to fulfill the role of the entry level Paramedic.
8. Demonstrate effective implementation of all basic life support skills.
9. Demonstrate effective implementation of all advanced life support skills.
10. Demonstrate an understanding of role of a paramedic care in the hospital setting.

**PARAMEDIC CERTIFICATE**

Program: 68160

<b>PROGRAM LEARNING OUTCOMES (PLO) - Paramedic Certificate</b>										
<b>Required Technical Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>	<b>PLO 9</b>	<b>PLO 10</b>
Please enter all required technical courses within your program.  <b>COURSE PREFIX &amp; NUMBER</b>	Demonstrate the understanding of the principles of advanced pre-hospital care including well-being and safety of the Paramedic and roles and responsibilities within EMS systems	Identify normal and abnormal findings while demonstrating the techniques of conducting a comprehensive patient interview and physical exam	Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the trauma patient including blunt, penetrating, soft-tissue, and musculoskeletal trauma, burns, and hemorrhage and shock	Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the medical patient including pulmonology, cardiology, neurology, psychiatric, and OB/GYN emergencies	Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for neonatal, pediatric, and geriatric patients, diverse patients, and chronically ill patients	Communicate effectively in both oral and written formats	Demonstrate professional judgment, ethical standards, critical thinking, and all skills necessary to fulfill the role of the entry level Paramedic	Recognize the need for and demonstrate effective implementation of all basic life support skills	Recognize the need for and demonstrate effective implementation of all advanced life support skills	Demonstrate an understanding of Paramedic care in the hospital setting
1	EMS 2603	R	R							
2	EMS 2603L	X	X			X	X	R		X
3	EMS 2604		X	R*	R*					
4	EMS 2064L	X	X	X	X	X	X	X	R	R
5	EMS 2605		X	X	X	R				
6	EMS 2605L	X	R*	R	R	X	R	R	X	X

**PARAMEDIC CERTIFICATE**

Program: 68160

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
<p>PLO 1: Demonstrate the understanding of the principles of advanced prehospital care including well-being and safety of the Paramedic and roles and responsibilities within EMS systems.</p>	<p>At least 80% of EMS 2603 students will demonstrate at least 80% proficiency on the comprehensive exam.</p>		
<p>PLO 2: Identify normal and abnormal findings while demonstrating the techniques of a comprehensive patient interview and physical exam.</p>	<p>At least 80% of EMS 2603 students will demonstrate at least 80% proficiency on the comprehensive exam of patient assessment.</p> <p>At least 80% of EMS 2605L students will receive a score of 0 or greater on a scale of -2 to 1 on the categories of history of chief complaint and patient assessment.</p>		
<p>PLO 3: Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the trauma patient including blunt, penetrating, soft-tissue, and musculoskeletal trauma, burns, and hemorrhage and shock.</p>	<p>At least 80% of EMS 2604 students will demonstrate at least 80% proficiency on the comprehensive exam of trauma emergencies.</p> <p>At least 80% of EMS 2605L students will have assessed and treated a minimum of 60 trauma patients of varying ages.</p>		
<p>PLO 4: Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the medical patient including pulmonology, cardiology, neurology, psychiatric, and OB/GYN emergencies.</p>	<p>At least 80% of EMS 2604 students will demonstrate at least 80% proficiency on the comprehensive exam of medical emergencies.</p> <p>At least 80% of EMS 2605L students will have assessed and treated a minimum of 190 medical patients of varying ages.</p>		

PLO 5: Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for neonatal, pediatric, and geriatric patients, diverse patients, and chronically ill patients.	At least 80% of EMS 2605 students will demonstrate at least 80% proficiency on the comprehensive review exam.		
PLO 6: Communicate effectively in both oral and written formats.	At least 80% of EMS 2605L students will receive a score of 0 or greater on a scale of -2 to 1 on the categories of telemetry reports, verbal reports, and report writing from evaluations.		
PLO 7: Demonstrate professional judgment, ethical standards, critical thinking, assessment and all other skills necessary to fulfill the role of the entry level Paramedic.	At least 80% of EMS 2605L students will receive an score of 0 or greater on a scale of -2 to 1 on all clinical categories included on the Paramedic Terminal Evaluation form.		
PLO 8: Recognize the need for and demonstrate effective implementation of all basic life support skills.	At least 80% of EMS 2603L students will demonstrate all BLS skills a minimum of 3 times.		
PLO 9: Recognize the need for and demonstrate effective implementation of all advanced life support skills.	At least 80% of EMS 2604L students will demonstrate all ALS skills a minimum of 3 times.		
PLO 10: Demonstrate an understanding of Paramedic care in the hospital setting.	At least 80% of EMS 2604L students will complete all hospital objectives in the emergency department, pediatric, psychiatric, ICU, and OB settings.		



**PRESCHOOL CERTIFICATE**

Program: 68010

**PROGRAM LEARNING OUTCOMES**

After successful completion of this certificate program, graduates will be able to:

1. Plan a developmentally/culturally appropriate program curriculum inclusive of activities that facilitate principles and processes of child development to enhance the whole child.
2. Use appropriate guidance and classroom management techniques.
3. Explain developmental tasks relative to the various stages of development of young children.

**PRESCHOOL CERTIFICATE**

Program: 68010

<b>PROGRAM LEARNING OUTCOMES (PLO) - Preschool Certificate</b>				
<b>Required Technical Courses</b>		<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>
	Please enter all required technical courses within your program.	Plan a developmentally/culturally appropriate program curriculum inclusive of activities that facilitate principles and processes of child development to enhance the whole child.	Use appropriate guidance and classroom management techniques.	Explain developmental tasks relative to the various stages of development of young children.
	<b>COURSE PREFIX &amp; NUMBER</b>			
1	CHD 1380	X		
2	CHD 2220			R
3	CHD 2320	X	X	
4	CHD 1440	R	R	

**PRESCHOOL CERTIFICATE**

Program: 68010

**PROGRAM ASSESSMENT**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Plan a developmentally/culturally appropriate program curriculum inclusive of activities that facilitate principles and processes of child development to enhance the whole child.	80% of CHD1440 students will receive at least a 2 on a scale of 0-3 on the Program Management domain of the Teacher's Skills Checklist.		
PLO 2: Use appropriate guidance and classroom management techniques.	80% of CHD1440 students will receive at least a 2 on a scale of 0–3 on the Providing Guidance domain of the Teacher's Skills Checklist.		
PLO 3: Explain developmental tasks relative to the various stages of development of young children.	80% of CHD2020 students will demonstrate an 80% proficiency in recognizing and aligning the developmental milestones of young children through classroom activities and a test.		

**VIDEO PRODUCTION CERTIFICATE**

Program: 68410

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

1. Incorporate principles of good design, composition, lighting, interactivity, usability, typography, artistry, creativity, and aesthetics using appropriate tools and techniques to produce pleasing products.
2. Develop targeted messages and use industry-standard tools to create, manage, and communicate that message using appropriate formats, channels, and messaging techniques.
3. Collaborate within a multimedia team or group in a manner that demonstrates good soft skills, pleasing attitude, clarity of thought, and mutual respect to produce a common output that provides good aesthetic appeal and conforms to industry standards
4. Create, manipulate, manage, and distribute digital media using existing and emerging technologies that conform to industry standards of good design.
5. Use multimedia tools for web, video, audio, imaging, animation, and programming to create products that meet clients' requirements and conform to good standards of design, usability, and visual appeal.

**VIDEO PRODUCTION CERTIFICATE**

Program: 68410

<b>PROGRAM LEARNING OUTCOMES (PLO) - Medical Coding Specialist Certificate</b>						
<b>Required Technical Courses</b>		<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>
Please enter all required technical courses within your program.		Incorporate principles of good design, composition, lighting, interactivity, usability, typography, artistry, creativity, and aesthetics using appropriate tools and techniques to produce pleasing products.	Develop targeted messages and use industry-standard tools to create, manage, and communicate that message using appropriate formats, channels, and messaging techniques.	Collaborate within a multimedia team or group in a manner that demonstrates good soft skills, pleasing attitude, clarity of thought, and mutual respect to produce a common output that provides good aesthetic appeal and conforms to industry standards	Create, manipulate, manage, and distribute digital media using existing and emerging technologies that conform to industry standards of good design.	Use multimedia tools for web, video, audio, imaging, animation, and programming to create products that meet clients' requirements and conform to good standards of design, usability, and visual appeal.
<b>COURSE PREFIX &amp; NUMBER</b>						
1	DIG 2030C	X	X	X	X	M
2	DIG 2430C		M	X		X
3	DIG 2292C	M	X	X	M	X
4	DIG 2330C	X	X	M		

**VIDEO PRODUCTION CERTIFICATE**

Program: 68410

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
<p>PLO 1: Incorporate principles of good design, composition, lighting, interactivity, usability, typography, artistry, creativity, and aesthetics using appropriate tools and techniques to produce pleasing products.</p>	<p>Benchmark: 80% of students must create a final video project that meets the main requirements of this PLO and receives a grade of 70% or higher.</p>		
<p>PLO 2: Develop targeted messages and use industry-standard tools to create, manage, and communicate that message using appropriate formats, channels, and messaging techniques.</p>	<p>Benchmark: 80% of students must create a finished video from a well-developed script and receive a grade of 70% or higher.</p>		
<p>PLO 3: Collaborate within a multimedia team or group in a manner that demonstrates good soft skills, pleasing attitude, clarity of thought, and mutual respect to produce a common output that provides good aesthetic appeal and conforms to industry standards.</p>	<p>Benchmark: 80% of students must design and place adequate lighting on set to create a pre-defined mood that supports a given story. Accuracy of light placement must meet the requirements for a grade of 70% or higher.</p>		
<p>PLO 4: Create, manipulate, manage, and distribute digital media using existing and emerging technologies that conform to industry standards of good design.</p>	<p>Benchmark: 80% of students must pass final exam with a grade of 70% or higher.</p>		
<p>PLO 5: Use multimedia tools for web, video, audio, imaging, animation, and programming to create products that meet clients' requirements and conform to good standards of design, usability, and visual appeal.</p>	<p>Benchmark: 80% of students create a final video project that meets requirements for high quality and incorporates various multimedia and earns a grade of 70% or higher.</p>		

**WEB PRODUCTION CERTIFICATE**

Program: 68420

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

1. Incorporate principles of good design, composition, lighting, interactivity, usability, typography, artistry, creativity, and aesthetics using appropriate tools and techniques to produce pleasing products.
2. Develop targeted messages and use industry-standard tools to create, manage, and communicate that message using appropriate formats, channels, and messaging techniques.
3. Create, manipulate, manage, and distribute digital media using existing and emerging technologies that conform to industry standards of good design.
4. Use multimedia tools for web, video, audio, imaging, animation, and programming to create products that meet clients' requirements and conform to good standards of design, usability, and visual appeal.

**WEB PRODUCTION CERTIFICATE**

Program: 68420

<b>PROGRAM LEARNING OUTCOMES (PLO) - Medical Coding Specialist Certificate</b>					
<b>Required Technical Courses</b>		<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>
	Please enter all required technical courses within your program.	Incorporate principles of good design, composition, lighting, interactivity, usability, typography, artistry, creativity, and aesthetics using appropriate tools and techniques to produce pleasing products.	Develop targeted messages and use industry-standard tools to create, manage, and communicate that message using appropriate formats, channels, and messaging techniques.	Create, manipulate, manage, and distribute digital media using existing and emerging technologies that conform to industry standards of good design.	Use multimedia tools for web, video, audio, imaging, animation, and programming to create products that meet clients' requirements and conform to good standards of design, usability, and visual appeal.
	<b>COURSE PREFIX &amp; NUMBER</b>				
1	DIG 2000	X	X	M	X
2	DIG 2030C	X	M	X	X
3	CGS 2820C	X	X	X	M
4	DIG 2500C	M	X		X
5	CGS 2800C	X	X	X	X



**WEB PRODUCTION CERTIFICATE**

Program: 68420

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
<p>PLO 1: Incorporate principles of good design, composition, lighting, interactivity, usability, typography, artistry, creativity, and aesthetics using appropriate tools and techniques to produce pleasing products.</p>	<p>Benchmark: 80% of students must create final interactive product with visual appeal and good usability that earns a grade of 70% or higher.</p>		
<p>PLO 2: Develop targeted messages and use industry-standard tools to create, manage, and communicate that message using appropriate formats, channels, and messaging techniques.</p>	<p>Benchmark: 80% of students must create a final video with a strong message directed to a target audience. Finished product must earn a grade of 70% or higher.</p>		
<p>PLO 3: Create, manipulate, manage, and distribute digital media using existing and emerging technologies that conform to industry standards of good design.</p>	<p>Benchmark: 80% of students must pass final exam with a grade of 70% or higher.</p>		
<p>PLO 4: Use multimedia tools for web, video, audio, imaging, animation, and programming to create products that meet clients' requirements and conform to good standards of design, usability, and visual appeal.</p>	<p>Benchmark: 80% of students must create a website that includes multimedia and good design and earns a grade of 70% or higher.</p>		

# **EDUCATOR PREPARATION INSTITUTE**



**EPI ALTERNATIVE CERTIFICATION PROGRAM**

Program: F9025

**PROGRAM LEARNING OUTCOMES**

Students will be able to:

1. Demonstrate Florida Educator Accomplished Practices (FEAP's) competencies.
2. Receive a passing score on the Professional Education Portion of the Florida Teacher Certification Examinations (FTCE).
3. Successfully complete Reading Competency 2 Endorsement.
4. Successfully demonstrate teaching a lesson in a K-12 school.

**EPI ALTERNATIVE CERTIFICATION PROGRAM**

Program: F9025

<b>PROGRAM LEARNING OUTCOMES (PLO) - EPI Alternative Certification Program</b>				
<b>Required Technical Courses</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>
Please enter all required technical courses within your program.  <div style="background-color: yellow; height: 100px; width: 100%;"></div> <b>COURSE PREFIX &amp; NUMBER</b>	Demonstrate Florida Educator Accomplished Practice (FEAP's) competencies.	Receive a passing score on the Professional Education Portion of the Florida Teacher Certification Examinations (FTCE).	Successfully complete Reading Competency 2 Endorsement.	Successfully demonstrate teaching a lesson in a K-12 school.
1	EPI 0001	X	X	
2	EPI 0002	X	X	
3	EPI 0003	X	X	
4	EPI 0004	X	X	
5	EPI 0010	X	X	X
6	EPI 0020	X	X	
7	EPI 0940		X	
8	EPI 0030	X	X	
9	EPI 0945		X	X

**EPI ALTERNATIVE CERTIFICATION PROGRAM**

Program: F9025

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Demonstrate Florida Educator Accomplished Practices (FEAP's) competencies.	90% of EPI program completers will demonstrate 80% proficiency of the Florida Educator Accomplished Practices competencies through successful completion of a task, a FEAP related assignment in each of the 7 courses. Field Experience courses excluded.		
PLO 2: Receive a passing score on the Professional Education Portion of the Florida Teacher Certification Examinations (FTCE).	80% of EPI graduates that took the Professional Education portion of the Florida Teacher Certification Exam will demonstrate 100% proficiency.		
PLO 3: Successfully complete Reading Competency 2 Endorsement.	90% of EPI participants will demonstrate 80% proficiency of the Reading Competency 2 Endorsement at the completion of EPI0010 Research Based Practices in Reading.		
PLO 4: Successfully demonstrate teaching a lesson in a K-12 school.	90% of EPI program participants teaching a lesson in a K-12 school will demonstrate 80% proficiency evaluated by a qualified educator.		

# **BACHELOR PROGRAMS**



**SUPERVISION AND MANAGEMENT, BAS**

Program: U5030, U5130, U5230, U5330, U5430

**PROGRAM LEARNING OUTCOMES**

Upon successful completion of the Bachelor of Applied Science in Supervision and Management, the student will be able to:

1. Demonstrate leadership expertise through the ability to motivate teams and individuals, and to facilitate change within an organization.
2. Comprehend the ethical and legal dimensions of an organization and apply ethical standards and social responsibility to all facets of organizational decision making.
3. Conduct an analysis of appropriate financial and economic data necessary to support organizational decision making.
4. Apply management theories and resource management practices to successfully lead a dynamic organization.
5. Demonstrate the ability to collect data and analyze information in order to formulate analytically sound decisions for the planning and utilization of resources.
6. Analyze and apply the strategic decision-making and operational planning process for effectual policy making within an organization.
7. Communicate effectively in a variety of modes within an organizational environment.

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**Specialization: U5030 Business Administration**

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1. Integrate the knowledge acquired in the Supervision and Management program to analyze, plan, direct, and strategically lead a business enterprise.
2. Apply critical thinking skills to identify business problems and recommend solutions through the understanding of the key functional areas of business.

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**Specialization: U5130 Public Administration**

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1. Integrate the knowledge acquired in concentration courses to analyze and present concepts and theories related to: public administration, relationships between public and private organizations, and the hierarchy within public organizations
2. Think critically and ethically about the purpose, design, and function of government, community service, and civil society as each relates to public, not-for-profit, and private organizations.

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**Specialization: U5230 Public Safety Management**

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1. Analyze critical incidents and assemble an effective plan to resolve emergency situations.
2. Demonstrate written and oral presentation skills required of a public safety professional during critical incidents.

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**Specialization: U5430 Business Information Technology**

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1. Explain the connection between information technology and other business divisions of a company.
2. Explain the business process used to gather, format, analyze, and disseminate information to support business objectives.
3. Determine how information technology can support managerial decision making and problem solving.
4. Formulate effective business intelligence data models, design system solutions, and integrate them into a sustainable business model.

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**Specialization: U5330 Healthcare Administration**

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1. Analyze the nature and causes of major healthcare problems, drawing on a broad informational base of healthcare and health issues.
2. Evaluate the structure of healthcare delivery systems and the related information technology, finance, and risk management issues.
3. Interpret the legal, regulatory, and ethical issues in healthcare administration.
4. Integrate information from multidisciplinary functional areas to critically analyze and strategize solutions to various healthcare issues.



**SUPERVISION AND MANAGEMENT, BAS**

Program: U5030, U5130, U5230, U5330, U5430

**PROGRAM LEARNING OUTCOMES (PLO) - Supervision and Management, BAS**

Required Technical Courses		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	Business Administration	
									PLO 1	PLO 2
Please enter all required technical courses within your program.		Demonstrate leadership expertise through the ability to motivate teams and individuals, and to facilitate change within an organization.	Comprehend the ethical and legal dimensions of an organization and apply ethical standards and social responsibility to all facets of organizational decision making.	Conduct an analysis of appropriate financial and economic data necessary to support organizational decision making.	Apply management theories and resource management practices to successfully lead a dynamic organization.	Demonstrate the ability to collect data and analyze information in order to formulate analytically sound decisions for the planning and utilization of resources.	Analyze and apply the strategic decision-making and operational planning process for effectual policy making within an organization.	Communicate effectively in a variety of modes within an organizational environment.	Integrate the knowledge acquired in the Supervision and Management program to analyze, plan, direct, and strategically lead a business enterprise.	Apply critical thinking skills to identify business problems and recommend solutions through the understanding of the key functional areas of business.
<b>COURSE PREFIX &amp; NUMBER</b>										
1	GEB 3213							X		
2	GEB 4891						X			
3	MAN 3240		X							
4	MAN 3303	X								
5	MAN 4301	X			X					
6	MAN 4504	X			X					
7	QMB 3600					X	X			
<b>Business Administration</b>									<b>PLO 1</b>	<b>PLO 2</b>
1	ACG 3024									
2	BUL 3310									
3	FIN 3403									
4	MAN 4162									
5	MAR 4802									
6	GEB 4900									
<b>ELECTIVES</b>										
1	GEB 3356									
2	GEB 4376									
3	ISM 4011									
4	MAN 3063									

**SUPERVISION AND MANAGEMENT, BAS**

Program: U5030, U5130, U5230, U5330, U5430

<b>PROGRAM LEARNING OUTCOMES (PLO) - Supervision and Management, BAS</b>					
<b>Required Technical Courses</b>		<b>Public Administration</b>		<b>Public Safety Management</b>	
Please enter all required technical courses within your program.		<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 1</b>	<b>PLO 2</b>
<b>COURSE PREFIX &amp; NUMBER</b>		Integrate the knowledge acquired in concentration courses to analyze and present concepts and theories related to: public administration, relationships between public and private organizations, and the hierarchy within public organizations.	Think critically and ethically about the purpose, design, and function of government, community service, and civil society as each relates to public, not-for-profit, and private organizations.	Analyze critical incidents and assemble an effective plan to resolve emergency situations.	Demonstrate written and oral presentation skills required of a public safety professional during critical incidents.
<b>Public Administration</b>		<b>PLO 1</b>	<b>PLO 2</b>		
1	PAD 4204				
2	PAD 4152				
3	PAD 4806				
4	PAD 4874				
5	PAD 4604				
6	PAD 4879				
<b>ELECTIVES</b>					
1	PAD 4414				
2	DSC 3079				
<b>Public Safety Management</b>				<b>PLO 1</b>	<b>PLO 2</b>
1	PAD 4204				
2	PAD 4604				
3	DSC 3079				
4	PAD 4393				
5	PAD 3820				
6	PAD 4878				
<b>ELECTIVES</b>					
1	PAD 4414				
2	PAD 4874				
3	PAD 4806				
4	PAD 4932				
5	PAD 4152				

**SUPERVISION AND MANAGEMENT, BAS**

Program: U5030, U5130, U5230, U5330, U5430

<b>PROGRAM LEARNING OUTCOMES (PLO) - Supervision and Management, BAS</b>									
<b>Required Technical Courses</b>		<b>Business Information Technology</b>				<b>Healthcare Administration</b>			
Please enter all required technical courses within your program.		<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>
<b>COURSE PREFIX &amp; NUMBER</b>		Explain the connection between information technology and other business divisions of a company.	Explain the business process used to gather, format, analyze, and disseminate information to support business objectives.	Determine how information technology can support managerial decision making and problem solving.	Formulate effective business intelligence data models, design system solutions, and integrate them into a sustainable business model.	Analyze the nature and cause of major healthcare problems, drawing on a broad informational base of healthcare and health issues.	Evaluate the structure of healthcare delivery systems and the related information technology, finance, and risk management issues.	Interpret the legal, regulatory, and ethical issues in healthcare administration.	Integrate information from multidisciplinary functional areas to critically analyze and strategize solutions to various healthcare issues.
1	CSG 3092								
2	CAP 4063								
3	CAP 4774								
4	CEN 3037								
5	CIS 4305								
6	CIS 4891								
<b>ELECTIVES</b>									
1	COP 3331								
2	COP 3177								
<b>Healthcare Administration</b>						<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>
1	HSA 4553								
2	HSA3170								
3	HSA 3110								
4	HSA 4502								
5	HSC 3624								
6	HSA 4922								
<b>ELECTIVES</b>									
1	HSA 3160								
2	HSA 4192								
3	HSA 3113								

**SUPERVISION AND MANAGEMENT, BAS**

Program: U5030, U5130, U5230, U5330, U5430

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Demonstrate leadership expertise through the ability to motivate teams and individuals, and to facilitate change within an organization.	<p>Course: MAN 3240 – Organizational Behavior Term Paper - 80% of students will achieve 70% or higher.</p> <p>Course: MAN 4301 – Human Resource Management Final Project on HR practices - 80% of students will achieve 70% or higher.</p> <p>Course: MAN 3303 – Leadership and Management Practices Term Paper - 80% of students will achieve 70% or higher.</p>		
PLO 2: Comprehend the ethical and legal dimensions of an organization and apply ethical standards and social responsibility to all facets of organizational decision making.	<p>Course: MAN 3063 – Ethical Issues in Organizations Final project analysis and presentation on ethical dilemma - 80% of students will achieve 70% or higher.</p> <p>Course: BUL 3310 – Legal Issues in Business Final exam - 80% of students will achieve 70% or higher.</p> <p>Course: PAD 4604 – Regulatory Policy and Administration Law for the Public Sector Final exam - 80% of students will achieve 70% or higher.</p>		
PLO 3: Conduct an analysis of appropriate financial and economic data necessary to support organizational decision making.	<p>Course: ACG 3024 – Accounting for non-financial majors Final exam - 80% of students will achieve 70% or higher.</p>		

	<p>Course: FIN 3403 – Financial Management Final exam - 80% of students will achieve 70% or higher.</p> <p>Course: PAD 4204 – Financial Management for the Public Sector Final project - 80% of students will achieve 70% or higher.</p>		
<p>PLO 4: Apply management theories and resource management practices to successfully lead a dynamic organization.</p>	<p>Course: MAN 4301 – Human Resource Management Final Project on HR practices - 80% of students will achieve 70% or higher.</p> <p>Course: MAN 3303 – Leadership and Management Practices Term Paper - 80% of students will achieve 70% or higher.</p> <p>Course: PAD 4414 – Human Resource Management in the Public Sector Final Project on HR practices - 80% of students will achieve 70% or higher.</p>		
<p>PLO 5: Demonstrate the ability to collect data and analyze information in order to formulate analytically sound decisions for the planning and utilization of resources.</p>	<p>Course: MAN 4504 – Operational Decision Making Final exam - 80% of students will achieve 70% or higher.</p> <p>Course: PAD 4393 – Public Safety Systems Integration Final Case Study and presentation- 80% of students will achieve 70% or higher.</p>		
<p>PLO 6: Analyze and apply the strategic decision-making and operational planning process for effectual policy making within an organization.</p>	<p>Course: MAN 4504 – Operational Decision Making Final exam - 80% of students will achieve 70% or higher.</p> <p>Course: GEB 4891 – Strategic Management Final Case study - 80% of students will achieve 70% or higher.</p>		

<p>PLO 7: Communicate effectively in a variety of modes within an organizational environment.</p>	<p>Course: GEB 3213 – Communications in Business Term Paper - 80% of students will achieve 70% or higher.</p> <p>Course: PAD 4874 – Public Sector Community Relations Final Presentation - 80% of students will achieve 70% or higher.</p>		
<p><b>Specialization: Business Administration</b></p>			
<p>PLO 1: Integrate the knowledge acquired in the Supervision and Management program to analyze, plan, direct, and strategically lead a business enterprise.</p>	<p>Course: GEB 4891 – Strategic Management Final Case study - 80% of students will achieve 70% or higher.</p> <p>Course: MAN 4900 – Capstone Experience Final Project- 80% of students will achieve 70% or higher.</p>		
<p>PLO 2: Apply critical thinking skills to identify business problems and recommend solutions through the understanding of the key functional areas of business.</p>	<p>Course: GEB 4891 – Strategic Management Final Case study - 80% of students will achieve 70% or higher.</p> <p>Course: MAN 4162 – Customer Relations Final presentation- 80% of students will achieve 70% or higher.</p> <p>Course: MAR 4802 – Managerial Marketing Final Marketing plan- - 80% of students will achieve 70% or higher.</p>		
<p><b>Specialization: Public Administration</b></p>			
<p>PLO 1: Integrate the knowledge acquired in the Supervision and Management program to analyze, plan, direct, and strategically lead a business enterprise.</p>	<p>Course: GEB 4891 – Strategic Management Final Case study - 80% of students will achieve 70% or higher.</p> <p>Course: MAN 4900 – Capstone Experience</p>		

	Final Project- 80% of students will achieve 70% or higher.		
PLO 2: Apply critical thinking skills to identify business problems and recommend solutions through the understanding of the key functional areas of business.	<p>Course: GEB 4891 – Strategic Management Final Case study - 80% of students will achieve 70% or higher.</p> <p>Course: MAN 4162 – Customer Relations Final presentation- 80% of students will achieve 70% or higher.</p> <p>Course: MAR 4802 – Managerial Marketing Final Marketing plan- - 80% of students will achieve 70% or higher.</p>		
PLO 1: Analyze critical incidents and assemble an effective plan to resolve emergency situations.	<p>Course: DSC 3079 – Foundations of Public Safety Final Case Study- 80% of students will achieve 70% or higher.</p> <p>Course: PAD 4393 – Critical Incident Management Final Case Study and presentation- 80% of students will achieve 70% or higher.</p> <p>Course: PAD 3820 – Public Safety Systems Integration Final Case Study and presentation- 80% of students will achieve 70% or higher.</p> <p>Course: PAD 4878 Capstone Experience Final Critical Case- 80% of students will achieve 70% or higher.</p>		
PLO 2: Demonstrate written and oral presentation skills required of a public safety professional during critical incidents.	<p>Course: GEB 3213 – Communications in Business Term Paper - 80% of students will achieve 70% or higher.</p> <p>Course: PAD 4393 – Critical Incident Management</p>		

	Final Case Study and presentation- 80% of students will achieve 70% or higher.		
<b>Specialization: Business Information Technology</b>			
PLO 1: Explain the connection between information technology and other business divisions of a company.			
PLO 2: Explain the business process used to gather, format, analyze, and disseminate information to support business objectives.			
PLO 3: Determine how information technology can support managerial decision making and problem solving.			
PLO 4: Formulate effective business intelligence data models, design system solutions, and integrate them into a sustainable business model.			
<b>Specialization: Healthcare Administration</b>			
PLO 1: Analyze the nature and causes of major healthcare problems, drawing on a broad informational base of healthcare and health issues.			
PLO 2: Evaluate the structure of healthcare delivery systems and the related information technology, finance, and risk management issues.			
PLO 3: Interpret the legal, regulatory, and ethical issues in healthcare administration.			
PLO 4: Integrate information from multidisciplinary functional areas to critically analyze and strategize solutions to various healthcare issues.			



**NURSING, BSN**

Program: V6100

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

1. Demonstrate high moral and ethical standards in professional nursing practice.
2. Work collaboratively with diverse health care providers.
3. Perform essential skills of a comprehensive health assessment.
4. Manage health information using electronic technologies.
5. Apply published theories or frameworks to nursing practice.
6. Use scholarly evidence to guide nursing practice.
7. Implement a culturally competent, health-promoting plan of care for individuals, families, communities.
8. Advocate for the nursing profession with regard to health legislation and regulation.
9. Exhibit skills in nursing leadership.
10. Communicate effectively in varied settings.
11. Value lifelong learning.

**NURSING, BSN**

Program: V6100

**PROGRAM LEARNING OUTCOMES (PLO) - Bachelor of Science in Nursing**

Required Technical Courses		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11
Please enter all required technical courses within your program.		Demonstrate high moral and ethical standards in professional nursing practice.	Work collaboratively with diverse health care providers.	Perform essential skills of a comprehensive health assessment.	Manage health information using electronic technologies.	Apply published theories or frameworks to nursing practice.	Use scholarly evidence to guide nursing practice.	Implement a culturally competent, health promoting plan of care for individuals, families, communities	Advocate for the nursing profession with regard to health legislation and regulations	Exhibit skills in nursing leadership.	Communicate effectively in varied settings.	Value lifelong learning.
<b>COURSE PREFIX &amp; NUMBER</b>												
1	NUR 3056	X		X	X		X	X			X	
2	NUR 3082	X				X	X		X	X	X	X
3	NUR 3125	X		X		X		X			X	
4	NUR 3164	X	X		X	X	X			X	X	
5	NUR 3245			X	X	X	X				X	
6	NUR 3846				X	X				X	X	X
7	NUR 4108	X			X				X	X	X	
8	NUR 4167	X			X	X	X			X	X	X
9	NUR 4635	X	X	X	X	X	X	X		X	X	
10	NUR 4823	X	X			X			X	X	X	X
11	NUR 4828	X	X		X	X	X	X		X	X	X
12	MAN 3033					X				X	X	X
<b>ELECTIVES</b>		<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>	<b>PLO 9</b>	<b>PLO 10</b>	<b>PLO 11</b>
1	GEB 3213		X			X					X	
2	HSA 4553	X							X		X	
3	MAN 3240		X			X				X	X	

**NURSING, BSN**

Program: V6100

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
<p>PLO 1: Demonstrate high moral and ethical standards in professional nursing practice.</p>	<ol style="list-style-type: none"> <li>1) In a reflective paper, 90% of students provide a clear example of moral and ethical conduct.</li> <li>2) On exit survey, 95% of students strongly agree or agree they demonstrate high moral and ethical standards.</li> <li>3) On employer survey, 95% of respondents strongly agree or agree that PSC BSN graduates demonstrate high moral and ethical conduct.</li> </ol>		
<p>PLO 2: Work collaboratively with diverse health care providers.</p>	<ol style="list-style-type: none"> <li>1) In a reflective paper, 90% of students provide a clear example of collaborative work with diverse members of the health care team.</li> <li>2) On exit survey, 95% of students strongly agree or agree they work collaboratively with diverse members of the health care team.</li> <li>3) On employer survey, 95% of respondents strongly agree or agree PSC BSN graduates work collaboratively with diverse members of the health care team.</li> </ol>		
<p>PLO 3: Perform essential skills of a comprehensive health assessment.</p>	<ol style="list-style-type: none"> <li>1) In a reflective paper, 90% of students provide a clear example of performing a comprehensive health assessment.</li> <li>2) On exit survey, 95% of students strongly agree or agree they are able to perform a comprehensive health assessment.</li> <li>3) On employer survey, 95% of respondents strongly agree</li> </ol>		

	<p>or agree PSC BSN graduates are able to perform a comprehensive health assessment.</p> <p>4) 85% of students will earn a grade of B or higher on a comprehensive assessment assigned in NUR 3065.</p>		
PLO 4: Manage health information using electronic technologies.	<p>1) In a reflective paper, 90% of students provide a clear example of effective use of electronic information.</p> <p>2) On exit survey, 90% of students strongly agree or agree they effectively interpret and use electronic information.</p> <p>3) On employer survey, 90% of respondents strongly agree or agree PSC BSN graduates effectively interpret and use electronic information.</p>		
PLO 5: Apply published theories or frameworks to nursing practice.	<p>1) In a reflective paper, 90% of students provide a clear example of applying theory to practice.</p> <p>2) On exit survey, 90% of students strongly agree or agree they are able to apply theory to practice.</p> <p>3) On employer survey, 90% of respondents strongly agree or agree PSC BSN graduates are able to apply theory to practice.</p>		
PLO 6: Use scholarly evidence to guide nursing practice.	<p>1) In a reflective paper, 90% of students provide a clear example of using current evidence in practice.</p> <p>2) On exit survey, 90% of students strongly agree or agree they use current evidence in practice.</p> <p>3) On employer survey, 90% of respondents strongly agree or agree PSC BSN graduates use current evidence in practice.</p>		
PLO 7: Implement a culturally competent, health promoting	<p>1) In a reflective paper, 90% of students provide a clear</p>		

<p>plan of care for individuals, families, communities.</p>	<p>example of delivering culturally competent care.</p> <ol style="list-style-type: none"> <li>2) On exit survey, 90% of students strongly agree or agree they deliver culturally competent care.</li> <li>3) On employer survey, 90% of respondents strongly agree or agree PSC BSN graduates deliver culturally competent care.</li> </ol>		
<p>PLO 8: Advocate for the nursing profession with regard to health legislation and regulation.</p>	<ol style="list-style-type: none"> <li>1) In a reflective paper, 90% of students provide a clear example professional advocacy.</li> <li>2) On exit survey, 90% of students strongly agree or agree they demonstrate professional advocacy.</li> <li>3) On employer survey, 90% of respondents strongly agree or agree PSC BSN graduates demonstrate professional advocacy.</li> </ol>		
<p>PLO 9: Exhibit skills in nursing leadership.</p>	<ol style="list-style-type: none"> <li>1) In a reflective paper, 90% of students provide a clear example of leadership skill.</li> <li>2) On exit survey, 90% of students strongly agree or agree they exhibit leadership skill.</li> <li>3) On employer survey, 90% of respondents strongly agree or agree PSC BSN exhibit leadership skill.</li> </ol>		
<p>PLO 10: Communicate effectively in varied settings.</p>	<ol style="list-style-type: none"> <li>1) In a reflective paper, 90% of students provide a clear example of effective communication.</li> <li>2) On exit survey, 90% of students strongly agree or agree they communicate effectively.</li> <li>3) On employer survey, 90% of respondents strongly agree or agree PSC BSN graduates communicate effectively.</li> </ol>		
<p>PLO 11: Value lifelong learning.</p>	<ol style="list-style-type: none"> <li>1) In a reflective paper, 90% of students provide a clear example of valuing lifelong learning.</li> </ol>		

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	<p>2) On exit survey, 90% of students strongly agree or agree they value lifelong learning.</p> <p>3) On employer survey, 90% of respondents strongly agree or agree PSC BSN graduates value lifelong learning.</p>		
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**CRIMINAL JUSTICE, BS**

Program: V6200

**PROGRAM LEARNING OUTCOMES**

Upon successful completion of this program, the student will be able to:

1. Demonstrate a comprehensive knowledge of the criminal justice system, juvenile justice system, criminal justice administration, criminal behavior, law, criminal justice issues, and criminology.
2. Compare and contrast the basic theories, patterns, typologies, and causes of crime.
3. Examine the roles and challenges faced by the police, courts, and corrections.
4. Apply criminal justice theories, legal and ethical principles to crime related problems.
5. Differentiate between the structures, functions, and interactions of key institutions in the field of criminal justice.
6. Implement policing philosophies, including analysis and evaluation of criminal evidence, investigation strategies, and surveillance techniques.
7. Evaluate correctional philosophies and analyze the historical and current dilemmas in corrections.
8. Outline the concepts of due process of law, criminal procedure, defendant's rights, victim's rights, and constitutional rights.

**CRIMINAL JUSTICE, BS**

Program: V6200

	Required Technical Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8
	Please enter all required technical courses within your program.	Demonstrate comprehensive knowledge of the criminal justice system, juvenile justice system, criminal justice administration, criminal behavior, law, criminal justice issues, and criminology.	Compare and contrast the basis theories, patterns, typologies, and causes of crime.	Examine the roles and challenges faced by the police, courts, and corrections.	Apply criminal justice theories, legal and ethical principles to crime related problems.	Differentiate between the structures, functions, and interactions of key institutions in the field of criminal justice.	Implement policing philosophies, including the analysis and evaluation of criminal evidence, investigation strategies, and surveillance techniques.	Evaluate correctional philosophies and analyze the historical and current dilemmas in corrections.	Outline the concepts of due process law, criminal procedure, defendant's rights, victim's rights, and constitutional rights.
	<b>COURSE PREFIX &amp; NUMBER</b>								
1	CCJ 3024	I	I	I	I		I	I	I
2	CCJ 4930	R		M	R	R		R	I
3	CJL 3510	I	R	R	R	I	I	I	I
4	CCJ 3621	I	M	I			R		R
5	CJC 3011	I	I	R	R	I	I	M	I
6	CCJ 4054	I		I	R	I	I	I	I
7	CJL 3010	I	I	R	R	I	R	I	M
8	CCJ 4450	I		R	R	R			R
9	CJE 4610	I	R	R	R	R	M	I	R
10	CCJ 4900	M	R	R	M	M	R	R	R
	<b>ELECTIVES</b>	<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>	<b>PLO 8</b>
1	CCJ 4666	R	R	R	R	R	R		
2	CCJ 4035	R		R		R			
3	CCJ 4195	R	R	R	R	R	R	R	R
4	CJC 4166	R	R	R	R	R	R	R	R
5	CJJ 4015	R	R	R	R	R	R	R	R
6	CCJ 4651	R	R	R	R	R	R	R	R
7	CCJ 4641	R	R	R	R	R	R	R	R
8	CJE 4012	R	R	R	R	R	R	R	R
9	CJE 3650	R	R	R	R	R	R	R	R
10	DSC 4012	R	R	R	R	R	R	R	R
11	DSC 4013	R	R	R	R	R	R	R	R
12	DSC 3079	R		R		R			
13	PAD 4393	R		R		R			
14	PAD 3820	R		R		R			
15	PAD 4932	R		R		R			

I=Introduced      R=Reinforced      M=Mastered



**CRIMINAL JUSTICE, BS**

Program: V6200

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Demonstrate a comprehensive knowledge of the criminal justice system, juvenile justice system, criminal justice administration, criminal behavior, law, criminal justice issues, and criminology.	At least 80% of the students will pass the final examination for CCJ 4900 with a 70% or higher.		
PLO 2: Compare and contrast the basic theories, patterns, typologies, and causes of crime.	At least 80% of the students will pass the final examination for CCJ 3621 with a 70% or higher.		
PLO 3: Examine the roles and challenges faced by the police, courts, and corrections.	At least 80% of the students will pass the final examination for CCJ 4930 with a 70% or higher.		
PLO 4: Apply criminal justice theories, legal and ethical principles to crime related problems.	At least 80% of the students will pass CCJ 4900 with a 70% or higher.		
PLO 5: Differentiate between the structures, functions, and interactions of key institutions in the field of criminal justice.	At least 80% of the students will pass CCJ 4900 with a 70% or higher.		
PLO 6: Implement policing philosophies, including the analysis and evaluation of criminal evidence, investigation strategies, and surveillance techniques.	At least 80% of the students will pass the final examination for CJE 4610 with a 70% or higher.		
PLO 7: Evaluate correctional philosophies and analyze the historical and current dilemmas in corrections.	At least 80% of the students will pass the final examination for CJC 3011 with a 70% or higher.		
PLO 8: Outline the concepts of due process of law, criminal procedure, defendant's rights, victim's rights, and constitutional rights.	At least 80% of the students will pass the final examination for CJL 3010 with a 70% or higher.		

**AEROSPACE SCIENCES, BS**

Programs: S-6200, S-6210

**PROGRAM LEARNING OUTCOMES**

After successful completion of this program, graduates will be able to:

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**Core Requirements for all Programs**

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1. Integrate professionalism in all aspects of their involvement in the aerospace environment.
2. Demonstrate effective communications in written, digital, and oral forms.
3. Employ critical thinking skills in their professional and academic activities.
4. Evaluate and implement safety management system concepts in all aspects of the aerospace environment.
5. Formulate and execute a safety plan of action in the workplace.
6. Facilitate team process skills in their work with others.
7. Integrate and apply pertinent national and international rules, regulations, and guidance to the aerospace industry.

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**Program Specialization: Professional Pilot Concentration**

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1. Integrate basic and advanced concepts of aircraft operations to manage risk.
2. Perform and evaluate the fundamentals of flight instruction.
3. Operate aircraft systems in various categories of transport aircraft.
4. Compare traditional and modern avionics systems and procedures.

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**Program Specialization: Aerospace Administration Concentration**

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1. Perform and evaluate ethical and responsible business practices.
2. Employ critical thinking and decision making skills in relation to business operations and managerial issues.
3. Conduct aerospace industry analysis, needs assessment, and solve common problems in aerospace administration.

**AEROSPACE SCIENCES, BS**

Programs: S-6200, S-6210

<b>PROGRAM LEARNING OUTCOMES (PLO) – Aerospace Sciences</b>								
<b>Required Technical Courses</b>		<b>PLO 1</b>	<b>PLO 2</b>	<b>PLO 3</b>	<b>PLO 4</b>	<b>PLO 5</b>	<b>PLO 6</b>	<b>PLO 7</b>
	Please enter all required technical courses within your program.	Integrate professionalism into all aspects of their involvement in the aerospace environment.	Demonstrate effective communications in written, digital, and oral forms.	Employ critical thinking skills in their professional and academic activities.	Evaluate and implement safety management system concepts in all aspects of the aerospace environment.	Formulate and execute a safety plan of action in the workplace.	Facilitate team process skills in their work with others.	Integrate and apply pertinent national and international rules, regulations, and guidance to the aerospace industry.
	<b>COURSE PREFIX &amp; NUMBER</b>							
1	ASC 3321	A	X	X				A
2	AVM 3011	X	X			X	X	X
3	ASC 3474	X	X	A	X	X	X	X
4	ASC 3690		X	X			X	X
5	AVM 3030		A				A	X
6	AVM 3671		X		A	A		X
7	GEB 3213		X				X	

**AEROSPACE SCIENCES, BS**

Programs: S-6200, S-6210

**PROGRAM LEARNING OUTCOMES (PLO) – Aerospace Sciences**

Required Technical Courses		Professional Pilot Concentration			Aerospace Administration Concentration	
Please enter all required technical courses within your program.		PLO 1	PLO 2	PLO 3	PLO 1	PLO 2
<b>COURSE PREFIX &amp; NUMBER</b>		Integrate basic and advanced concepts of aircraft operations to manage risk.	Operate aircraft systems in various categories of transport aircraft.	Compare traditional and modern avionics systems and procedures.	Perform and evaluate ethical and responsible business practices.	Employ critical thinking and decision making skills in related business operations and management issues.
<b>Professional Pilot Concentration</b>		PLO 1	PLO 2	PLO 3		
1	ASC 4460	A	X			
2	ASC 4671		A	X		
3	ASC 4551	X	X			
4	ASC 4630	X	X			
5	ASC 4900	X	X	X		
<b>Aerospace Administration Concentration</b>					PLO 1	PLO 2
1	AVM 4411				X	X
2	AVM 4516				X	A
3	AVM 4460				X	X
4	AVM 4150				A	X
5	AVM 4914				X	X

\*Assessed in ASC 3690.

**AEROSPACE SCIENCES, BS**

Program: S-6200, S-6210

**PROGRAM ASSESSMENTS**

Student Outcome	Benchmark and Assessment Method(s)	Evidence/Results	Use of Results for Enhancement (Recommendations/ Follow-up)
PLO 1: Integrate professionalism in all aspects of their involvement in the aerospace environment.	80% of students in ASC 3321 will receive a passing score of 70% or higher on an oral class presentation based on an ethical or legal aviation case study as assigned by the professor.		
PLO 2: Demonstrate effective communications in written, digital, and oral forms.	Assessment Measure 1: 80% of students in AVM 3030 will receive a passing score of 70% or higher on an oral presentation (with a digital presentation component) on a topic assigned by the professor.  Assessment Measure 2: 80% of students in AVM 3030 will receive a passing score of 70% or higher on a written paper on a topic assigned by the professor.		
PLO 3: Employ critical thinking skills in their professional and academic activities.	80% of students in ASC 3474 will receive a passing score of 70% or higher on an oral class presentation based on an aviation accident case analysis as assigned by the professor.		
PLO 4: Evaluate and implement safety management system concepts in all aspects of the aerospace environment.	80% of students in AVM 3671 will receive a passing score of 70% or higher on a group project to develop components of a Safety Management System in various operational contexts.		
PLO 5: Formulate and execute a safety plan of action in the workplace.	80% of students in AVM 3671 will receive a passing score of 70% or higher on a group project to review and		

	revise aviation safety and operations products.		
PLO 6: Facilitate team process skills in their work with others.	80% of students in AVM 3030 will receive a passing score of 70% or higher on a group presentation on a topic assigned by the professor.		
PLO 7: Integrate, and apply pertinent national and international rules, regulations, and guidance to the aerospace industry.	80% of students in ASC 3321 will receive a passing score of 70% or higher on a case study review of an aviation legal issue or case study as assigned by the professor.		
<b>Specialization: Professional Pilot Concentration</b>			
PLO 1: Integrate basic and advanced concepts of aircraft operations to manage risk.	80% of students in ASC 4460 will receive a passing score of 70% or higher on a CRM process flow assignment.		
PLO 2: Operate aircraft systems in various categories of transport aircraft.	80% of students in ASC 4671 will receive a passing score of 70% or higher on a cumulative final examination that tests operational knowledge of transport category aircraft systems.		
PLO 3: Compare traditional and modern avionics systems and procedures.	80% of students in ASC 3690 will receive a passing score of 70% or higher on a written SWOT analysis on traditional and modern avionics systems.		
<b>Specialization: Aerospace Administration Concentration</b>			
PLO 1: Perform and evaluate ethical and responsible business practices.	80% of students in AVM 4150 will receive a passing score of 70% or higher on a scenario-based examination in which they must solve various ethical and practical business issues.		
PLO 2: Employ critical thinking and decision making skills in relation to business operations and managerial issues.	80% of students in AVM 4516 will receive a passing score of 70% or higher on a project where they create a business plan for an aviation organization.		
PLO 3: Conduct aerospace industry	80% of students in AVM 4411 will receive a passing		

analysis, needs assessment, and solve common problems in aerospace administration.	score of 70% or higher on a project where they perform an industry analysis, needs assessment, and gap analysis on an aviation organization.		
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