

EXHIBIT B



BOARD OF TRUSTEES

Bylaw, Policy, and Curriculum Committee Agenda Items

To: Board of Trustees
From: Office of the President
Date: May 23, 2024

The following Bylaw, Policy, and Curriculum Committee items are recommended to the Ocean County College Board of Trustees for approval at its meeting on **Thursday, May 30, 2024**:

1. Recommend approval of the following items as accepted by the College Senate at its meetings on May 2, and 16, 2024:
 - a. Revised Programs
 - 1) Associate in Applied Science in Computer Science/Information Technology (**Exhibit B-1**)
 - 2) Associate in Applied Science in Health Science – Option in Medical Laboratory Technology (with Mercer County College) (**Exhibit B-2**)
 - 3) Associate in Applied Science in Technical Studies – Option in Industrial/Technical (**Exhibit B-3**)
 - 4) Associate in Arts in Fine Arts (**Exhibit B-4**)
 - 5) Associate in Science in Criminal Justice (**Exhibit B-5**)
 - b. Revised Certificates of Completion
 - 1) Certificate of Completion in Advanced Manufacturing and Mechatronics (**Exhibit B-6**)
 - 2) Certificate of Completion in Video Production (**Exhibit B-7**)
 - c. Revised Certificate of Proficiency
 - 1) Certificate of Proficiency in Information Technology (**Exhibit B-8**)
 - d. New Course
 - 1) HEHP 184, Exploration of the U.S. Healthcare System and Healthcare Professions (**Exhibit B-10**)

e. Inactivated Certificate of Proficiency

- 1) Certificate of Proficiency in Middle Eastern Studies

f. Inactivated Courses

- 1) ARTS 170, Ceramics I
- 2) ARTS 270, Ceramics II
- 3) ARTS 271, Ceramics III
- 4) ARTS 272, Ceramics IV
- 5) BIOL 264, General Microbiology
- 6) COMM 290, Communications Internship I
- 7) COMM 291, Communications Internship II
- 8) ENVI 159, Natural Resources Conservation
- 9) FIRE 162, Principles of Emergency Services
- 10) FIRE 163, Principles of Fire and Emergency Service Administration
- 11) FIRE 165, Building Construction for Fire Protection
- 12) FIRE 166, Fire Behavior and Combustion
- 13) FIRE 168, Occupational Safety and Health for Emergency Services
- 14) FIRE 169, Strategy and Tactics
- 15) FIRE 261, Principles of Fire and Emergency Services Safety and Survival
- 16) FIRE 263, Fire Investigation I
- 17) FIRE 264, Fire Investigation II
- 18) FIRE 266, Fire Prevention
- 19) FIRE 268, Fire Protection Systems
- 20) HEHP 210, Karate I
- 21) HIST 299, Special Topics – World of the Maya: History Travel Seminar in Mexico
- 22) MATH 181, Introduction to Probability
- 23) RELG 293, Religious Experiences
- 24) SCIE 140, Food Science
- 25) SCIE 145, History of Science
- 26) STSC 160, Student Success Seminar for Engineering Majors

EXHIBIT B-1

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Program Change Request

Date Submitted: 04/04/24 10:47 am

Viewing: **AAS.CS : Computer Science/Information Technology, Associate in Applied Science**

Last approved: 04/10/23 10:57 am

Last edit: 04/04/24 10:47 am

Changes proposed by: Cynthia Fallon (cfallon)

Catalog Pages Using this Program [Computer Science/Information Technology, Associate in Applied Science](#)

Program Type	Associate of Applied Science (AAS)
Program Title	Computer Science/Information Technology, Associate in Applied Science
Academic School	Science, Technology, Engineering, Mathematics
Effective Catalog Year	2024-2025
Program Code	AAS.CS
CIP Code	110101 - Computer and Information Sciences, General.

Program Description

In Workflow

1. STEM Academic Administrator
2. STEM Dean
3. Executive Director of Curriculum and Program Development
4. Curriculum Committee Chair
5. Senate Chair
6. Vice President of Academic Affairs
7. Cabinet
8. President
9. Board of Trustees Chair
10. Academic Administrator for Programs

Approval Path

1. 04/04/24 10:54 am
Cynthia Fallon (cfallon): Approved for STEM Academic Administrator
2. 04/04/24 11:20 am
Sylvia Riviello (sriviello): Approved for STEM Dean
3. 04/10/24 3:03 pm
James Marshall (jmarshall): Approved for Executive Director of Curriculum and Program Development
4. 04/25/24 4:17 pm
Cynthia Fallon (cfallon): Approved for Executive Director of Curriculum and Program Development

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Caroline Britain
(cbrittain):
Approved for
Curriculum
Committee Chair

History

1. May 9, 2021 by Susan O'Connor (soconnor)
2. Apr 10, 2023 by Susan O'Connor (soconnor)

This career program prepares students for entry-level positions in a multitude of computer-related jobs. Both computer scientists and information technologists need a balance of software and hardware applications with specific courses emphasizing effective problem solving. The software development process, (composing and coordinating component of a program) requires that students construct algorithms for problem solving with appropriate documentation. This curriculum has been designed to prepare the student to meet the future needs of integration, design, deployment, and management of computing, resources and services. A graduate of the program will have a firm understanding of modern programming practices and related skills in computer information technology. The department recommends the following minimal criteria for prospective students in the Computer Science/Information Technology program:

1. High school diploma or equivalent
2. Cumulative high school grade point average of C or above
3. Ranked in top half of high school graduating class
4. No developmental studies requirement

The AAS in Computer Science offers the following concentrations:

- Information Technology
- Cloud Computing
- Data Management
- Networking
- Programming

Program Objectives

Program Goals	N/A	Program goals
PG1	N/A	
Program Learning Outcomes	Students who successfully complete this program will be able to:	
PLO1	Describe the main functions of an operating system.	
PLO2	Identify the basic concepts of the computer system and computer architecture.	
PLO3	Identify the major computer data, instruction and addressing formats.	

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PLO4	Recognize the problems involved in program portability and be able to identify the solutions to these problems.
PLO5	Describe the software life cycle.
PLO6	Identify the requirements and rationale for allocating static, dynamic and virtual memory.
PLO7	Discuss the rationale and implement both member and friend examples of operator overloading.
PLO8	Explain the benefits of derived classes (including private, protected and public data members and methods) and implement examples of derived classes.
PLO9	Analyze (big O) sequential, binary and hashing algorithms.
PLO10	Analyze (big O) common selection, exchange and insertion sorting algorithms.
PLO11	Discuss the benefits, resource requirements and implementation of logical sorting algorithms.
PLO12	Explain the concepts, data structure and benefits involved in logically representing common data structures algorithms, such as ordered lists, stacks, queues and trees.
PLO13	Demonstrate independent thinker through mathematical, scientific and philosophical reasoning.
PLO14	Communicate effectively through reading, listening, speaking, and writing.
PLO15	Solve problems by collecting, organizing and evaluating information.

Learning Outcomes Display (show only)

Course Code	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
FirstSemester															
ENGL 151															
MATH 151															
MATH 171															
CSIT 165															
SecondSemester															
ENGL 152															
CSIT															

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ThirdSemester									
COMM 154									
CSIT 213									

FourthSemester									
ACCT 161									
BUSN 131									
BUSN 134									
CSIT 200									
CSIT 275									
CSIT 212									
ACCT 161									
BUSN 131									
BUSN 134									

FirstSemester									
ENGL 151									
MATH 151									
MATH 171									
CSIT 165									

SecondSemester									
ENGL 152									
CSIT 166									
CSIT ---									

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1stSemester

COMM
154

CSIT
213

FourthSemester

ACCT
161

BUSN
131

BUSN
134

CSIT
144

CSIT
168

CSIT
185

CSIT
186

CSIT
265

CSIT
277

CSIT
200

CSIT
225

CSIT
212

CSIT
168

CSIT
185

CSIT
186

CSIT
200

CSIT
212

CSIT

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265									
FirstSemester									
ENGL 151									
MATH 151									
MATH 171									
CSIT 165									
SecondSemester									
ENGL 152									
CSIT 166									
CSIT 176									
ThirdSemester									
COMM 154									
CSIT 213									
FourthSemester									
ACCT 161									
BUSH 131									
BUSH 134									
CSIT 144									
CSIT 277									
CSIT 275									
ACCT 161									
BUSH 131									

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BUSH
134

FirstSemester

ENGL
151

MATH
151

MATH
171

CSIT
165

SecondSemester

ENGL
152

CSIT
166

CSIT
176

ThirdSemester

COMM
154

CSIT
213

FourthSemester

CSIT
144

CSIT
168

CSIT
185

CSIT
186

CSIT
265

CSIT
277

CSIT
200

CSIT
275

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[CSIT 212](#)

Required Qualifications

Plan of Study Grid

First Semester		Credit Hours
ENGL 151	English I	3
Select one of the following:		3
MATH 151	A Survey of Mathematics	
MATH 171	Finite Mathematics	
MATH 181	Course MATH 181 Not Found	-
or Higher		
CSIT 165	Programming I	4
Humanities Gen. Ed. Requirement		3
Social Science Gen. Ed. Requirement		3
Credit Hours		16
Second Semester		
ENGL 152	English II	3
CSIT 166	Programming II	4
CSIT 176	Computer Organization & Architecture	3
Computer Science/Information Technology Program Electives		6
Credit Hours		16
Third Semester		
Computer Science/Information Technology Program Electives		6
Lab Science Gen. Ed. Requirement		4
COMM 154	Fundamentals of Public Speaking	3
Social Science or Humanities Gen. Ed. Requirement		3
Credit Hours		16
Fourth Semester		
CSIT 213	Database Management	3
Computer Science/Information Technology Program Electives		6
Business Studies Elective		3
Credit Hours		12
Total Credit Hours		60

Computer Science/Information Technology Electives

Students can choose any CSIT course ([CSIT 115](#) or higher). Students are not required to select a specific area of interest/concentration.

Suggested Business Studies Electives

ACCT 161	Principles of Accounting I	3
BUSN 131	Introduction to Business Administration	3
BUSN 134	Principles of Marketing	3

Cloud Computing Concentration

<https://catwork.ocean.edu/courseleaf/approve/?role=admin>

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Cloud Computing Concentration

Plan of Study Grid		Credit Hours
First Semester		
ENGL 151	English I	3
Select one of the following		3
MATH 151	A Survey of Mathematics	
MATH 171	Finite Mathematics (or high)	
MATH 101	Course MATH 101 Not Found	-
	or Higher than MATH 101	-
CSIT 165	Programming I	4
Humanities Gen. Ed. Requirement		3
Social Science Gen. Ed. Requirement		3
Credit Hours		16
Second Semester		
ENGL 152	English II	3
CSIT 166	Programming II	4
CSIT 176	Computer Organization & Architecture	3
Computer Science/Cloud Computing Program Electives		6
Credit Hours		16
Third Semester		
Computer Science/Cloud Computing Program Electives		6
COMM 154	Fundamentals of Public Speaking	3
Humanities or Social Science Gen. Ed. Requirement		3
Lab Science Gen. Ed. Requirement		4
Credit Hours		16
Fourth Semester		
CSIT 213	Database Management	3
Computer Science/Cloud Computing Program Electives		6
Business Studies Elective		3
Credit Hours		12
Total Credit Hours		60

Computer Science/Cloud Computing Elective

CSIT 144	Introduction to Operating System Using Unix	3
CSIT 168	Introduction to Python Programming	2
CSIT 185	Networking I	3
CSIT 186	Networking II	3
CSIT 265	Data Structures and Analysis	4
CSIT 277	Introduction to Cloud Computing	4

Business Studies Electives

ACCT 161	Principles of Accounting I	3
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BUSN 131	Introduction to Business Administration	3
BUSN 134	Principles of Marketing	3

Data Management Concentration

Plan of Study Grid

	Credit Hours
First Semester	
ENGL 151 English I	3
MATH 171 or Higher	3
CSIT 165 Programming I	4
Humanities Gen. Ed. Requirement	3
Social Science Gen. Ed. Requirement	3
Credit Hours	16
Second Semester	
ENGL 152 English II	3
CSIT 166 Programming II	4
CSIT 176 Computer Organization & Architecture	3
Computer Science/Data Management Program Electives	6
Credit Hours	16
Third Semester	
CSIT 213 Database Management	3
Computer Science/Data Management Program Electives	3
COMM 154 Fundamentals of Public Speaking	3
Humanities or Social Science Gen. Ed. Requirement	3
Lab Science Gen. Ed. Requirement	4
Credit Hours	16
Fourth Semester	
Computer Science/Data Management Program Electives	9
Business Studies Elective	3
Credit Hours	12
Total Credit Hours	60

Computer Science/Data Management Electives

CSIT 144	Introduction to Operating System Using Unix	3
CSIT 168	Introduction to Python Programming	2
CSIT 185	Networking I	3
CSIT 200	Information Security Fundamentals	3
CSIT 265	Data Structures and Analysis	4
CSIT 275	Data Management Analytics	3

Business Studies Electives

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ACCT 161	Principles of Accounting I	3
BUSN 131	Introduction to Business Administration	3
BUSN 134	Principles of Marketing	3

Networking Concentration

Plan of Study Grid

First Semester	Credit Hours
ENGL 151 English I	3
MATH 171 or Higher	3
CSIT 165 Programming I	4
Humanities Gen. Ed. Requirement	3
Social Science Gen. Ed. Requirement	3
Credit Hours	16
Second Semester	Credit Hours
ENGL 152 English II	3
CSIT 166 Programming II	4
CSIT 176 Computer Organization & Architecture	3
Computer Science/Networking Program Electives	6
Credit Hours	16
Third Semester	Credit Hours
Computer Science/Networking Program Electives	6
COMM 154 Fundamentals of Public Speaking	3
Humanities or Social Science Gen. Ed. Requirement	3
Lab Science Gen. Ed. Requirement	4
Credit Hours	16
Fourth Semester	Credit Hours
CSIT 213 Database Management	3
Computer Science/Networking Program Electives	6
Business Studies Elective	3
Credit Hours	12
Total Credit Hours	60

Computer Science/Networking Electives

CSIT 144	Introduction to Operating System Using Unix	3
CSIT 168	Introduction to Python Programming	2
CSIT 185	Networking I	3
CSIT 186	Networking II	3
CSIT 200	Information Security Fundamentals	3
CSIT 115 or Higher		4

Business Studies Electives

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ACCT 161	Principles of Accounting I	3
BUSN 131	Introduction to Business Administration	3
BUSN 134	Principles of Marketing	3

Programming Concentration

Plan of Study Grid

First Semester	Credit Hours
ENGL 151 English I	3
MATH 171 or Higher	3
CSIT 165 Programming I	4
Humanities Gen. Ed. Requirement	3
Social Science Gen. Ed. Requirement	3
Credit Hours	16
Second Semester	Credit Hours
ENGL 152 English II	3
CSIT 166 Programming II	4
CSIT 176 Computer Organization & Architecture	3
Computer Science/Programming Program Electives	6
Credit Hours	16
Third Semester	Credit Hours
Computer Science/Programming Program Electives	6
COMM 154 Fundamentals of Public Speaking	3
Humanities or Social Science Gen. Ed. Requirement	3
Lab Science Gen. Ed. Requirement	4
Credit Hours	16
Fourth Semester	Credit Hours
CSIT 213 Database Management	3
Computer Science/Programming Program Electives	6
Business Studies Elective	3
Credit Hours	12
Total Credit Hours	60

Computer Science/Programming Electives

CSIT 168	Introduction to Python Programming	2
CSIT 185	Networking I	3
CSIT 186	Networking II	3
CSIT 200	Information Security Fundamentals	3
CSIT 212	Systems Analysis	3
CSIT 265	Data Structures and Analysis	4

Business Studies Electives

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ACCT 161	Principles of Accounting I	3
BUSN 131	Introduction to Business Administration	3
BUSN 134	Principles of Marketing	3

Degree Requirements Breakdown

	Course Code & Title	Credits
GCOM	ENGL 151	3
	ENGL 152	3
GSOC/ GHUM	Course Code & Title	Credits
	SOCIAL SCIENCE OR HUMN GEN ED REQ	3
GMAT/ GSCI/ GTEC	Course Code & Title	Credits
	LAB SCIENCE GEN ED REQ	4
General Education	Course Code & Title	Credits
	SOCIAL SCIENCE GEN ED REQ	3
	HUMN GEN ED REQ	3
Concentration Courses	Course Code & Title	Credits
	COMM 154	3
	CSIT 166	4
	CSIT 176	3
	COMP/IT PROGRAM ELECTIVE	6
	COMP/IT PROGRAM ELECTIVE	6
	CSIT 213	3
	COMP/IT PROGRAM ELECTIVE	6
	BUSN ELECTIVE	3
	CSIT 165	4
MATH 151, 171, OR 181 OF HIGHER	3	

Board Approval

History of Board approval dates Board of Trustees Approval Date: November 7, 2005
 NJ Presidents Council Approval: April 17, 2006

<https://catwork.ocean.edu/courseleaf/approve/?role=admin>

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Board of Trustees Approval Date: December 1, 2008
Board of Trustees Approval Date: December 6, 2010
Board of Trustees Approval Date: January 28, 2013
Board of Trustees Approval Date: May 28, 2013
Board of Trustees Approval Date: March 28, 2019

Reviewer
Comments

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EXHIBIT B-2

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Program Change Request

Date Submitted: 05/01/24 12:24 pm

Viewing: **AAS.HS.MDLT : Health Science - Option in Medical Laboratory Technology (w/ Mercer CC)**

Last approved: 04/05/24 12:07 pm

Last edit: 05/01/24 12:24 pm

Changes proposed by: James Marshall (jmarshall)

Program Type	Option
Program Title	Health Science - Option in Medical Laboratory Technology (w/ Mercer CC)
Option Title	Health Science - Option in Medical Laboratory Technology (w/ Mercer CC)
Academic School	Science, Technology, Engineering, Mathematics
Base Program	Health Science
Effective Catalog Year	2024-2025
Program Code	AAS.HS.MDLT
CIP Code	510000 - Health Services/Allied Health/Health Sciences, General.

Program Description

In Workflow

1. STEM Academic Administrator
2. STEM Dean
3. Executive Director of Curriculum and Program Development
4. Curriculum Committee Chair
5. **Senate Chair**
6. Vice President of Academic Affairs
7. Cabinet
8. President
9. Board of Trustees Chair
10. Academic Administrator for Programs

Approval Path

1. 05/03/24 2:09 pm
Cynthia Fallon (cfallon): Approved for STEM Academic Administrator
2. 05/05/24 11:34 am
Sylvia Rivello (srivello): Approved for STEM Dean
3. 05/06/24 8:07 am
James Marshall (jmarshall): Approved for Executive Director of Curriculum and Program Development
4. 05/10/24 12:39 pm
Cynthia Fallon

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Approve Pages

Caroline Britain
(cbrittain):
Approved for
Curriculum
Committee Chair

History

- 1. Aug 14, 2023 by Susan O'Connor (soconnor)
- 2. Apr 5, 2024 by Susan O'Connor (soconnor)

This Associate in Applied Science (AAS) Degree in Health Science with an option in Medical Laboratory Technology is designed for students aiming to become certified medical laboratory technicians. The program is an accredited Medical Laboratory Technology program offered in partnership with Mercer County Community College and is composed of two phases.

The pre-professional phase, which fulfills general educational goals of the freshmen entering College for the first time, includes training in basic sciences and is offered entirely at Ocean County College. To be successful in the preprofessional phase, the student must complete all the required pre-professional courses with a minimum of 2.5 GPA and achieve a grade of C or better in all required pre-professional math and science courses in no more than 2 attempts. The student must meet all application requirements dictated by Mercer CC. Then the student must apply to join the professional phase and be accepted.

Upon successful completion of the pre-professional phase, the student can enter the professional phase of the program, which is a sequence of specialized program-specific courses, offered in part at Ocean County College and in part with Mercer County Community College (on OCC's campus) and partnering hospitals, laboratories, and institutions. The professional phase equips the student with education, technical training, personal qualities, and best practices needed to be successful as an entry-level medical laboratory technician and to successfully transition to the workplace and/or to continue their educational journey.

To be successful in the professional phase, the student must complete all required professional phase courses in sequence with a grade of C+ or better after no more than 2 attempts per course at either Ocean County College or Mercer County Community College combined.

Additionally, the student must maintain high professional behavioral standards in order to remain in good standing and to progress through the professional phase of the program. These include:

1. Dependability
2. Attentiveness
3. Organization
4. Independence
5. Record Keeping
6. Management and Economy
7. Safety
8. Interpersonal Skills
9. Composure
10. Integrity.

Program Learning Outcomes	Students who successfully complete this program will be able to:
PLO1	Qualify to work as entry-level medical laboratory technician, be eligible to take and able to pass the national certification exam.
PLO2	Apply professional and ethical behaviors along with interpersonal skills when communicating with colleagues and patients in the workplace.
PLO3	Demonstrate academic and technical competence in the professional courses of

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	the curriculum through college and applied clinical education experiences.
PLO4	Gain relevant professional employment within one year of graduation from the program.
PLO5	Demonstrate satisfactory level of training to maintain the employment.
PLO6	Describe the importance of continuing education in lifelong learning and in obtaining and maintaining professional credentialing.
PLO7	Maintain familiarity with the profession's code of ethics and consistently act within those standards during interactions with fellow classmates and working professionals in the clinical laboratory setting.

Learning Outcomes Display (show only)

Course Code	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7
Freshman							
First Semester							
ENGL 151							
BIOL 130							
PSYC 172							
AHMT 110							
Second Semester							
ENGL 152							
BIOL 131							
BIOL 232							
CHEM 181							
COMM 154							
Sophomore							
First Semester							
Second Semester							
FirstSemester							
SecondSemester							

Required Qualifications

Plan of Study Grid

Freshman

First Semester

[ENGL 151](#) English I

[Mathematics Gen. Ed. Requirement](#)

Credit Hours

3

3

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BIOL 130	Human Anatomy and Physiology I	4
PSYC 172	General Psychology	3
Any STSC - Student Success Seminar course¹		2
AHMT 110	Medical Terminology	<u>3</u>
	Credit Hours	16
Second Semester		
ENGL 152	English II	3
BIOL 131	Human Anatomy & Physiology II	4
BIOL 232	Microbiology	4
CHEM 181	General Chemistry I	4
COMM 154	Fundamentals of Public Speaking	3
	Credit Hours	18
Sophomore		
First Semester		
MDLT 112	- Introduction to Medical Laboratory Technology	3
	MLT 200 - Clinical Chemistry	4
	MLT 212 - Clinical Hematology	4
	Credit Hours	11
Second Semester		
	Mercer County College - Medical Laboratory Technology Credits - MDLT 893	15
	Credit Hours	15
	Total Credit Hours	60

¹ A variety of STSC - Student Success Seminar courses are available. Please speak to your academic advisor for assistance when selecting.

² Students are awarded a total of 16 credits for completing The AAS in Medical Laboratory technology at Mercer County College.

How does this option differ from it's base program? The changes to this program include:
 1. Changing open general education courses to specific general education courses.
 2. Changing the bulk AHMT transferred-in credit to MDLT transferred-in credit.
 3. Changing a number of health science courses to specific MDLT courses (11 credits total)

Degree Requirements Breakdown

Requirement	Course Code & Title	Credits
GCOM	ENGL 151 and 152	6
GHUM		x
GSOC		x
GSOC/ GHUM	PSYC 172	3

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GMAT/ GSCI/ GTEC	Course Code & Title	Credits
	Any Gen Ed Math	3
General Education	Course Code & Title	Credits
	BIOL 130	4
Concentration Courses	Course Code & Title	Credits
	ANY STSC Course (elective)	2
	BIOL 132	4
	BIOL 232	4
	CHEM 181	4
	COMM 154	3
	MDLT 112	3
	MDLT 200	4
	MDLT 212	4
	MDLT 893	16
Elective Courses	Course Code & Title	Credits
	x	x

Board Approval

History of Board approval dates Board of Trustees Approval Date: September 28, 2023 - Pending NJCCC Approval

Reviewer
Comments

Key: 100

EXHIBIT B-3

5/14/24, 4:54 PM

AAS.TS.TECH: Technical Studies with Industrial/Technical Option, Associate in Applied Science

Program Change Request

Date Submitted: 04/04/24 10:48 am

Viewing: **AAS.TS.TECH : Technical Studies with Industrial/Technical Option, Associate in Applied Science**

Last approved: 01/08/24 12:28 pm

Last edit: 04/04/24 11:35 am

Changes proposed by: Cynthia Fallon (cfallon)

Catalog Pages Using this Program [Industrial/Technical, an option to the Associate in Applied Science in Technical Studies.](#)

Program Type	Associate of Applied Science (AAS)
Program Title	Technical Studies with Industrial/Technical Option, Associate in Applied Science
Academic School	Science, Technology, Engineering, Mathematics
Effective Catalog Year	2024-2025
Program Code	AAS.TS.TECH
CIP Code	159999 - Engineering Technologies and Engineering-Related Fields, Other.

In Workflow

1. STEM Academic Administrator
2. STEM Dean
3. Executive Director of Curriculum and Program Development
4. Curriculum Committee Chair
5. Senate Chair
6. Vice President of Academic Affairs
7. Cabinet
8. President
9. Board of Trustees Chair
10. Academic Administrator for Programs

Approval Path

1. 04/04/24 10:54 am
Cynthia Fallon (cfallon): Approved

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AAS.TS.TECH: Technical Studies with Industrial/Technical Option, Associate in Applied Science

Program Description



- for STEM Academic Administrator
- 2. 04/04/24 11:27 am
Sylvia Riviello (sriviello): Rollback to STEM Academic Administrator for STEM Dean
- 3. 04/04/24 11:36 am
Cynthia Fallon (cfallon): Approved for STEM Academic Administrator
- 4. 04/04/24 2:26 pm
Sylvia Riviello (sriviello): Approved for STEM Dean
- 5. 04/10/24 3:13 pm
James Marshall (jmarshall): Approved for Executive Director of Curriculum and Program Development
- 6. 04/25/24 4:17 pm
Caroline Brittain (cbrittain): Approved for Curriculum Committee Chair

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AAS.TS.TECH: Technical Studies with Industrial/Technical Option, Associate in Applied Science

History

1. May 6, 2021 by Susan O'Connor (soconnor)
2. Feb 28, 2022 by Pamela Bogdan (pbogdan)
3. Jun 22, 2022 by Susan O'Connor (soconnor)
4. Apr 10, 2023 by Susan O'Connor (soconnor)
5. Jan 8, 2024 by Susan O'Connor (soconnor)

The AAS in Technical Studies - Industrial/Technical Option degree program is a flex degree designed to provide students the opportunity to apply their work experience to earning an associate degree in applied science. Students looking to achieve a career change into a technical industry can earn credit for their work experience while they prepare for career advancement. Up to 17 credits may be awarded for work experience, including military experience, trade/proprietary school preparation, apprenticeship programs, and on-the-job-training. This program also provides students with the following stackable credential opportunities, that can be earned along the way to completing this degree: Certificate of Completion - Industrial Hygiene/Hazardous Materials Management, Certificate of Completion - Advanced Manufacturing and Mechatronics, Certificate of Completion - Environmental Sustainability, and Certificate of Completion - Technology Leadership.

Program Objectives

N/A

Program Goals

<https://catwork.ocean.edu/courseleaf/approve/?role=admin>

5/14/24, 4:54 PM

AAS.TS.TECH: Technical Studies with Industrial/Technical Option, Associate in Applied Science

Program goals

PG1 N/A

Program Learning Outcomes

	Students who successfully complete this program will be able to:
PLO1	Understand and use important terms specific to the workforce.
PLO2	Use computer tools to enhance their efficiency in the workplace.
PLO3	Apply basic concepts of professional practice to the workplace.
PLO4	Diagnose and solve real world problems.
PLO5	Demonstrate both creativity and critical thinking in connection with real world problems and applications.
PLO6	Through reading, listening, speaking, and writing, develop the ability to communicate effectively, especially in using scientific terminology.
PLO7	Solve problems by collecting, organizing and evaluating information and by utilizing objective and subjective scientific tools.
PLO8	Demonstrate an understanding of science and technology and their impact on society and the environment

Learning Outcomes Display (show only)

Course Code	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8
FirstSemester								
ENGL 151 								
MATH 156 								

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AAS.TS.TECH: Technical Studies with Industrial/Technical Option, Associate in Applied Science

Course Code	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8
SecondSemester								
ENGL 152 								
BUSN 273 								
CSIT 110 								
CSIT 123 								
CSIT 160 								
ECON 151 								
ECON 152 								
PHYS 172 								
PHYS 171 								
SOCL 232 								
BUSN 273 								
CSIT 110 								
CSIT 123 								
CSIT 160 								
ECON 151 								
ECON 152 								

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AAS.TS.TECH: Technical Studies with Industrial/Technical Option, Associate in Applied Science

Course Code	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8
PHYS 172 ✎								
PHYS 171 ✎								
SOCL 232 ✎								
FirstSemester								
ENGL 151 ✎								
MATH 156 ✎								
SecondSemester								
ENGL 152 ✎								

Required Qualifications

Plan of Study Grid

First Semester	Credit Hours
ENGL 151 English I	3
Technology Gen. Ed. Requirement (excludes INFO 110)	3
MATH 156 or Higher (excludes MATH 157, MATH 171, and MATH 181)	3
Industrial/Technical Studies Program Electives	6
MATH 156 Introduction to Statistics (or higher (excluding Math 157 or Math 171))	3
Credit Hours	15
Second Semester	Credit Hours
ENGL 152 English II	3
Humanities Gen. Ed. Requirement	3

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AAS.TS.TECH: Technical Studies with Industrial/Technical Option, Associate in Applied Science

<u>Social Science Gen. Ed. Requirement</u>	3
<u>Industrial/Technical Studies Program Electives</u>	6
Credit Hours	15
Third Semester	
<u>Humanities or Social Science Gen. Ed. Requirement</u>	3
<u>Lab Science Gen. Ed. Requirement</u>	4
<u>Industrial/Technical Studies Program Electives</u>	6
Credit Hours	13
Fourth Semester	
Select from the following:	17
Professional Core Transfer Credits Awarded for Work Experience and/or	
<u>Industrial/Technical Studies Program Electives</u>	
Credit Hours	17
Total Credit Hours	60

Industrial/Technical Studies Program Electives

Students may select courses from the following list or equivalent courses per appropriate approval.

<u>Any ENGR Engineering course(s)</u>		
<u>Any ENGT Engineering Technology course(s)</u>		
<u>Any MECH Mechatronics course(s)</u>		
<u>Any ENVI Environmental Science course(s)</u>		
<u>Any CHEM Chemistry course(s)</u>		4
<u>BUSN 273</u>	Corporate Social Responsibility	3
<u>CSIT 110</u>	Introduction to Computers and Computer Applications	3
<u>CSIT 123</u>	Integrated Office Software	3
<u>CSIT 160</u>	Introduction to Visual BASIC	3

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AAS.TS.TECH: Technical Studies with Industrial/Technical Option, Associate in Applied Science

ECON 151	Macroeconomic Principles	3
ECON 152	Microeconomics Principles	3
PHYS 172	Physics II	4
PHYS 171	Physics I	4
SOCJ 232	Social Justice	3

Degree Requirements Breakdown

GCOM	Course Code & Title	Credits
	ENGL 151	3
	ENGL 152	3
GSOC/ GHUM	Course Code & Title	Credits
	HUMN GEN. ED. REQ.	3
GMAT/ GSCI/ GTEC	Course Code & Title	Credits
	Math 156 or Math 158 or higher (not Math 171 or Math 181)	3
General Education	Course Code & Title	Credits
	SOCIAL SCIENCE GEN ED REQ	3
	HUMN GEN. ED. REQ. or SOCIAL SCIENCE GEN ED REQ	3
	LAB SCIENCE GEN ED REQ	4

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AAS.TS.TECH: Technical Studies with Industrial/Technical Option, Associate in Applied Science

Concentration
Courses

Course Code & Title	Credits
TECH PROGRAM ELECTIVE	6
TECH PROGRAM ELECTIVE	6
TECH PROGRAM ELECTIVE	6
TECH General Education Course (not INFO 110)	3
WORK BASED LEARNING EXP. OR TECH PROGRAM ELECTIVES	17

Board Approval

History of Board
approval dates

Board of Trustees Approval Date: November 7, 2005
 NJ Presidents Council Approval: April 17, 2006
 Board of Trustees Approval Date: December 1, 2008
 Board of Trustees Approval Date: December 1, 2008
 Board of Trustees Approval Date: December 6, 2010
 Board of Trustees Approval Date: January 28, 2013
 Board of Trustees Approval Date: May 28, 2013
 Board of Trustees Approval Date: February 28, 2019
 Board of Trustees Approval Date: February 24, 2022

Reviewer
Comments

Sylvia Riviello (sriviello) (04/04/24 11:27 am): Rollback: check math

Key: 62

EXHIBIT B-4

5/14/24, 4:51 PM

Approve Pages

Program Change Request

Date Submitted: 04/08/24 12:28 pm

Viewing: **AA.FA : Fine Arts, Associate in Arts**

Last approved: 05/17/23 3:06 pm

Last edit: 04/08/24 12:28 pm

Changes proposed by: James Marshall (jmarshall)

Catalog Pages Using [Fine Arts, Associate in Arts](#)
this Program

Program Type	Associate of Arts (AA)
Program Title	Fine Arts, Associate in Arts
Academic School	Arts and Humanities
Effective Catalog Year	2024-2025
Program Code	AA.FA
CIP Code	500702 - Fine/Studio Arts, General.

Program Description

In Workflow

1. AH Academic Administrator
2. AH Dean
3. Executive Director of Curriculum and Program Development
4. Curriculum Committee Chair
5. Senate Chair
6. Vice President of Academic Affairs
7. Cabinet
8. President
9. Board of Trustees Chair
10. Academic Administrator for Programs

Approval Path

1. 04/08/24 12:30 pm
Kathryn Kingsbury (kkingsbury):
Approved for AH Academic Administrator
2. 04/08/24 12:37 pm
Jonathan Molinaro (jmolinaro):
Approved for AH Dean
3. 04/08/24 12:39 pm
James Marshall (jmarshall):
Approved for Executive Director of Curriculum and Program Development

5/14/24, 4:51 PM

Approve Pages

Development
 4. 04/11/24 7:16 pm
 Caroline Brittain
 (cbrittain):
 Approved for
 Curriculum
 Committee Chair

History

1. Jan 26, 2021 by Susan O'Connor (soconnor)
2. Feb 2, 2022 by Susan O'Connor (soconnor)
3. Apr 3, 2023 by Susan O'Connor (soconnor)
4. Apr 10, 2023 by Susan O'Connor (soconnor)
5. May 17, 2023 by Susan O'Connor (soconnor)

This program offers students the first two years of two-dimensional design courses which prepare students to transfer to baccalaureate programs and to pursue careers in art and design. The focus of the program is on artistic development and technical training. The curriculum is designed to promote students' development of their academic and artistic potential.

Program Objectives

Program Goals	N/A	Program goals
PG1	N/A	
Program Learning Outcomes	Students who successfully complete this program will be able to:	
PLO1	Conceive of form on the two-dimensional pictorial representation.	
PLO2	Create works that demonstrate perceptual acuity, cognitive understanding, and technical facility.	
PLO3	Creatively respond to artistic challenges inherent in one or more of the fine arts.	
PLO4	Apply classroom/studio learning to the creation of fine art.	
PLO5	Master new materials and techniques for design expression.	

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Approve Pages

PLO5	Master new materials and techniques for design expression.
PLO6	Demonstrate proficiency in the skills necessary for success at transfer institutions and in the professional workplace.

Learning Outcomes Display (show only)

Course Code	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6
FirstSemester						
ENGL 151						
ARTS 183	Project		Project			
SecondSemester						
ENGL 152						
ARTS 184	Project		Project			
COMM 154						
ARTS 185	Project		Project			
ARTS 186			Project			
ARTS 286	Project		Project			
ARTS 287	Project		Project			
ARTS 296	Project		Project			
ARTS 297	Project		Project			
PHOT 181	Project		Project			
PHOT 187	Project		Project			
PHOT 188	Project		Project			
ARTS 185	Project		Project			
ARTS 186			Project			
ARTS 286	Project		Project			
ARTS 287	Project		Project			
ARTS 296	Project		Project			
ARTS 297	Project		Project			
PHOT 181	Project		Project			
PHOT 187	Project		Project			
PHOT 188	Project		Project			
FirstSemester						

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First Semester		Second Semester	
ENGL 151 <input checked="" type="checkbox"/>			
ARTS 183 <input checked="" type="checkbox"/>	Project		Project
ENGL 152 <input checked="" type="checkbox"/>			
ARTS 184 <input checked="" type="checkbox"/>	Project		Project
COMM 154 <input checked="" type="checkbox"/>			

Required Qualifications

Plan of Study Grid

First Semester	Credit Hours
ENGL 151 English I	3
Mathematics Gen. Ed. Requirement ¹	3
ARTS 183 Basic Drawing	3
Social Science Gen. Ed. Requirement	3
Any STSC - Student Success Seminar course ²	2
Credit Hours	14
Second Semester	Credit Hours
ENGL 152 English II	3
ARTS 184 Two-Dimensional Design	3
COMM 154 Fundamentals of Public Speaking	3
Humanities Gen. Ed. Requirement ²	3
Technology Gen. Ed. Requirement ¹	3
Credit Hours	15
Third Semester	Credit Hours
Fine Arts Program Elective	3
History Gen. Ed. Requirement	3
Humanities Gen. Ed. Requirement ³	3
Social Science Gen. Ed. Requirement	3
Lab Science Gen. Ed. Requirement ¹	4
Credit Hours	16
Fourth Semester	Credit Hours
Fine Arts Program Elective	3
Diversity Gen. Ed. Requirement	3
History Gen. Ed. Requirement	3
Humanities Gen. Ed. Requirement ³	3
Mathematics or Lab Science Gen. Ed. Requirement ^{1,3-4}	3-4
Elective to meet 60 credits	0-1
Credit Hours	15-17
Total Credit Hours	60-62

¹ Students must select one math course, one lab science course, and one technology course and complete the 12 credit requirement with any additional math or lab science course from the list of Approved General Education Courses. Students may attempt to "test out" of the technology requirement. If they succeed, they must take additional credits in math or lab science from the List of Approved General Education Courses.

<https://catwork.ocean.edu/courseleaf/approve/?role=admin>

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Approve Pages

2 A variety of STSC -Student Success Seminar courses are available. Please speak to your academic advisor for assistance when selecting.
 3 It is recommended that students take any Art History course (such as [ARTS 181](#), [ARTS 182](#), [ARTS 205](#) or [ARTS 206](#)) to fulfill Humanities General Education Requirements.

Fine Arts Program Electives

ARTS 170	Course ARTS 170 Not Found	
ARTS 185	Figure Drawing	3
ARTS 186	Three-Dimensional Design	3
ARTS 270	Course ARTS 270 Not Found	
ARTS 271	Course ARTS 271 Not Found	
ARTS 286	Painting I	3
ARTS 287	Painting II	3
ARTS 296	Painting III	3
ARTS 297	Painting IV	3
PHOT 181	Basic Digital Photography	3
PHOT 187	Experimental Digital Photography	3
PHOT 188	Intermediate Digital Photography	3

Degree Requirements Breakdown

	Course Code & Title	Credits
GCOM	ENGL 151	3
	ENGL 152	3
	COMM 154	3
GHUM	GEN. ED. HUMN	3
	GEN. ED. HUMN	3
	GEN. ED. HUMN	3
GHIS	GEN. ED. HISTORY	3
	GEN. ED. HISTORY	3
GSOC	Course Code & Title	Credits

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Approve Pages

	GEN. ED. SOCIAL SCIENCE	3	
	GEN. ED. SOCIAL SCIENCE	3	
GDIV	Course Code & Title		Credits
	GEN. ED. DIVERSITY	3	
GMAT/ GSCI/ GTEC	Course Code & Title		Credits
	GEN. ED. MATH	3	
	GEN. ED. TECHNOLOGY	3	
	GEN. ED. LAB SCIENCE	4	
	GEN. ED. MATH OR LAB SCIENCE	3-4	
Concentration Courses	Course Code & Title		Credits
	ARTS 183	3	
	ARTS 184	3	
	FINE ARTS ELECTIVE	3	
	FINE ARTS ELECTIVE	3	
Elective Courses	Course Code & Title		Credits
	STSC 150	2	
	ELECTIVE	0-1	

Board Approval

History of Board approval dates

Board of Trustees Approval Date: May 26, 2015

NJPC Approval Date: September 21, 2015

Board of Trustees Approval Date: February 28, 2019

Board of Trustees Approval Date: March 28, 2019

Board of Trustees Approval Date: April 25, 2019

Board of Trustees Approval Date: May 29, 2019

Board of Trustees Approval Date: November 07, 2019

Board Approved in batch on March 16, 2023 (STSC update - used admin save since there were so many programs being revised at once for the same change).

<https://catwork.ocean.edu/courseleaf/approve/?role=admin>

EXHIBIT B-5

5/14/24, 4:55 PM

AS.CJ: Criminal Justice, Associate in Science

Program Change Request

Date Submitted: 04/26/24 10:25 am

Viewing: **AS.CJ : Criminal Justice, Associate in Science**

Last approved: 04/10/23 11:41 am

Last edit: 04/26/24 10:25 am

Changes proposed by: Katherine Toy (ktoy)

Catalog Pages Using this Program [Criminal Justice, Associate in Science](#)

Program Type	Associate of Science (AS)
Program Title	Criminal Justice, Associate in Science
Academic School	Business and Social Sciences
Effective Catalog Year	2024-2025
Program Code	AS.CJ
CIP Code	430107 - Criminal Justice/Police Science.

In Workflow

1. BS Academic Administrator
2. BS Dean
3. Executive Director of Curriculum and Program Development
4. Curriculum Committee Chair
5. **Senate Chair**
6. Vice President of Academic Affairs
7. Cabinet
8. President
9. Board of Trustees Chair
10. Academic Administrator for Programs

Program Description

Approval Path

1. 04/26/24 12:38 pm Tracey Taylor (ttaylor): Approved

5/14/24, 4:55 PM

AS.C.J: Criminal Justice, Associate in Science

- for BS Academic Administrator
- 2. 05/01/24 11:09 am
Rosann Bar (rbar):
Approved for BS Dean
- 3. 05/03/24 8:09 am
James Marshall (jmarshall):
Approved for Executive Director of Curriculum and Program Development
- 4. 05/10/24 12:39 pm
Caroline Brittain (cbrittain):
Approved for Curriculum Committee Chair

History

- 1. Jun 16, 2022 by Susan O'Connor (soconnor)
- 2. Apr 10, 2023 by Susan O'Connor (soconnor)

5/14/24, 4:55 PM

AS.CJ: Criminal Justice, Associate in Science

Students interested in criminal justice as a career will elect this two-year collegiate program. It is designed for those students planning to transfer to a four-year program in criminal justice. The program suggested below is intended to develop professional criminal justice skills and knowledge along with a basic academic background. Students pursuing this program on a part-time basis should consult an academic advisor for an appropriate sequence.

Program Objectives

Program Goals	PG1	<p style="text-align: center;">Program goals</p> <p>NA</p>
Program Learning Outcomes	<p>PLO1</p> <p>PLO2</p> <p>PLO3</p> <p>PLO4</p> <p>PLO5</p> <p>PLO6</p> <p>PLO7</p> <p>PLO8</p> <p>PLO9</p> <p>PLO10</p>	<p style="text-align: center;">Students who successfully complete this program will be able to:</p> <p>Describe the philosophy of criminal justice.</p> <p>Describe crime and justice as public policy issues.</p> <p>Describe the unique characteristics of the criminal justice system.</p> <p>Identify the various sub-systems and the significance of their inter-relationships.</p> <p>Explain the evolution of law enforcement, judicial and correctional disciplines.</p> <p>Describe the structure of American courts.</p> <p>Describe the extraordinary powers held by criminal justice professionals.</p> <p>Discuss current issues in criminal justice.</p> <p>Communicate effectively in speech and writing.</p> <p>10 Use critical thinking and <u>problem-solving</u> problem-solving skills in analyzing <u>ethical issues</u>. information</p>

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AS.CJ: Criminal Justice, Associate in Science

Students who successfully complete this program will be able to:

~~gathered through different media:~~

~~11. Understanding of technology and its impact upon society:~~

~~12. Develop and demonstrate civic and social responsibility:~~

~~13. Develop both the ability and moral sensitivity needed to make informed judgments concerning ethical issues:~~

~~14. Develop an understanding and appreciation of diversity among cultures including~~

~~respect for various ways of viewing the world:~~

Learning Outcomes Display (show only)

Course Code	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10
FirstSemester										
ENGL 151										
CRIM 150										
CRIM 152										
SecondSemester										

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AS.CJ: Criminal Justice, Associate in Science

Course Code	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10
ENGL 152										
CRIM 155										
CRIM 255										
SOCJ 181										
ThirdSemester										
CRIM 254										
FRSC 105										
SOCJ 231										
FourthSemester										
CRIM 280										
POLI 161										
COMM 154										
PSYC 172										

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AS.CJ: Criminal Justice, Associate in Science

Required Qualifications

Plan of Study Grid

First Semester		Credit Hours
ENGL 151	English I	3
Mathematics Gen. Ed. Requirement		3
CRIM 150	The Criminal Justice System	3
CRIM 152	Introduction to Law Enforcement	3
Any STSC - Student Success Seminar course ¹		2
Credit Hours		14
Second Semester		Credit Hours
ENGL 152	English II	3
CRIM 155	Introduction to Corrections	3
CRIM 255	Criminal Law and Procedure	3
SOCI 181	Introduction to Sociology	3
Elective ²		3
Credit Hours		15
Third Semester		Credit Hours
CRIM 254	Constitutional Law and Rules of Evidence	3
SCIE 105	Forensic Science	4
FRSC 105	Forensic Science	4
SOCI 231	Social Problems	3
or SOCI 238 or Race and Ethnicity		
Technology Gen. Ed. Requirement ³		3
Elective to meet 60 credits ²		3
Credit Hours		16
Fourth Semester		Credit Hours
CRIM 280	Criminal Investigation	3
or CRIM 281 or Criminal Investigation Theory		
POLI 161	American Federal Government	3
or POLI 162 or American State and Local Government		
COMM 154	Fundamentals of Public Speaking	3

<https://catwork.ocean.edu/courseleaf/approve/?role=admin>

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AS,CJ: Criminal Justice, Associate in Science

PSYC 172	General Psychology	3
Humanities Gen. Ed. Requirement		3
	Credit Hours	15
	Total Credit Hours	60

¹ A variety of STSC -Student Success Seminar courses are available. Please speak to your academic advisor for assistance when selecting.

² **Recommended Electives:**

Criminal Justice Electives:

- CRIM 151 Police Organization and Administration
- POLI 185 Principles of Public Administration
- CRIM 236 Criminology
- CRIM 237 Juvenile Justice

Homeland Security Electives:

- HLSC 170 Introduction to Homeland Security
- HLSC 172 Domestic & International Terrorism
- HLSC 174 Introduction to the Intelligence Function
- HLSC 210 Risk Management & Analysis

³ Students may attempt to "test out" of the technology requirement. If they succeed, they must take an additional course(s) in math, science, or technology from the List of Approved General Education Courses.

Degree Requirements Breakdown

GCUM	Course Code & Title	Credits
NA		N/A
GHUM	Course Code & Title	Credits
NA		N/A

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AS.CJ: Criminal Justice, Associate in Science

GSOC	Course Code & Title	Credits
	NA	N/A
GSOC/ GHUM	Course Code & Title	Credits
	NA	N/A
GMAT/ GSCI/ GTEC	Course Code & Title	Credits
	NA	N/A
General Education	Course Code & Title	Credits
	NA	N/A
Concentration Courses	Course Code & Title	Credits
	NA	N/A
Elective Courses	Course Code & Title	Credits
	NA	N/A

Board Approval

History of Board approval dates

Board of Trustees Approval Date: May 29, 2007

Board of Trustees Approval Date: December 1, 2008

Board of Trustees Approval Date: August 24, 2009

Board of Trustees Approval Date: December 6, 2010

Board of Trustees Approval Date: August 26, 2013

<https://catwork.ocean.edu/courseleaf/approve/?role=admin>

5/14/24, 4:55 PM

AS.CJ: Criminal Justice, Associate in Science

Board of Trustees Approval Date: March 30, 2015

Board of Trustees Approval Date: January 24, 2019

Board Approved in batch on March 16, 2023 (STSC update - used admin save since there were so many programs being revised at once for the same change).

Reviewer

Comments

Key: 14

EXHIBIT B-6

5/14/24, 4:56 PM

CC.AMAM: Advanced Manufacturing and Mechatronics, Certificate of Completion

Program Change Request

Date Submitted: 04/04/24 10:43 am

Viewing: **CC.AMAM : Advanced Manufacturing and Mechatronics, Certificate of Completion**

Last approved: 01/08/24 11:44 am

Last edit: 04/10/24 3:06 pm

Changes proposed by: Cynthia Fallon (cfallon)

Catalog Pages Using this Program [Advanced Manufacturing and Mechatronics, Certificate of Completion](#)

Program Type	Certificate of Completion
Program Title	Advanced Manufacturing and Mechatronics, Certificate of Completion
Academic School	Science, Technology, Engineering, Mathematics
Effective Catalog Year	2024-2025
Program Code	CC.AMAM
CIP Code	144201 - Mechatronics, Robotics, and Automation Engineering.

Program Description

In Workflow

1. STEM Academic Administrator
2. STEM Dean
3. Executive Director of Curriculum and Program Development
4. Curriculum Committee Chair
5. **Senate Chair**
6. Vice President of Academic Affairs
7. Cabinet
8. President
9. Board of Trustees Chair
10. Academic Administrator for Programs

Approval Path

1. 04/04/24 10:54 am
Cynthia Fallon (cfallon): Approved

5/14/24, 4:56 PM

CC.AMAM: Advanced Manufacturing and Mechatronics, Certificate of Completion

- for STEM Academic Administrator
- 2. 04/04/24 11:23 am
Sylvia Riviello (sriviello): Approved for STEM Dean
- 3. 04/10/24 3:06 pm
James Marshall (jmarshall): Approved for Executive Director of Curriculum and Program Development
- 4. 04/25/24 4:17 pm
Caroline Brittain (cbrittain): Approved for Curriculum Committee Chair

History

- 1. Jan 6, 2022 by Pamela Bogdan (pbogdan)
- 2. Jun 23, 2022 by Susan O'Connor (soconnor)
- 3. Apr 10, 2023 by Susan O'Connor

5/14/24, 4:56 PM

CC.AMAM: Advanced Manufacturing and Mechatronics, Certificate of Completion

(soconnor)
4. Jan 8, 2024 by
Susan O'Connor
(soconnor)

The Advanced Manufacturing and Mechatronics Certificate of Completion program is designed for those students planning to work in a manufacturing industry. The Mechatronics Certificate of Completion program will prepare students to enter the workforce with the ability to operate and maintain equipment found in a modern manufacturing environment.

As manufacturing advances into a more automated production system, a higher level of technical expertise is required of the labor force. The certificate holders will have experience with the operation and maintenance of computer numeric controlled (CNC) machines and programmable logic controllers (PLCs), as well as a working knowledge of basic electronics, pneumatic, and mechanical systems.

Program Learning
Outcomes

Students who successfully complete this program will be able to:

- PLO1 Make use of their working knowledge of basic electronics, pneumatic, and mechanical systems in the context of advanced manufacturing and mechatronics.
- PLO2 Utilize their entry level skills for the operation and maintenance of computer numeric controlled (CNC) machines and programmable logic controllers (PLCs).

Learning Outcomes Display (show only)

Course Code	PLO 1	PLO 2
	Freshman	
	First Semester	
ENGR 181	Project	Project
ENGT 102	Project	
MATH 156		

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CC.AMAM: Advanced Manufacturing and Mechatronics, Certificate of Completion

Course Code	PLO 1	PLO 2
ENGT 144	Exam	Exam
Second Semester		
ENGT 114	Project	Project
ENGT 140		Project
ENGT 150		Project
MECH 150	Project	
First Semester		
Second Semester		

Required Qualifications

Plan of Study Grid

	Credit Hours
Freshman	
First Semester	
MATH 156 or higher (not MATH 171 or MATH 181)	3-6
ENGR 181 Graphics for Engineers	2
ENGT 102 Manufacturing Processes	3
MATH 156 Introduction to Statistics (or higher, excluding MATH 171)	<u>3</u>
ENGT 144 DC/AC Electric Circuits	4
Credit Hours	12
Second Semester	
ENGT 114 Principles of Quality Control In Manufacturing	3
ENGT 140 Introduction to Computer Numeric Controlled (CNC) Machines	3
ENGT 150 Automated Control Systems	4
MECH 150 Introduction to Hydraulics and Pneumatics	4
Credit Hours	14
Total Credit Hours	26

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CC.AMAM: Advanced Manufacturing and Mechatronics, Certificate of Completion

Degree Requirements Breakdown

GCOM	Course Code & Title	Credits
--		--
GHUM	Course Code & Title	Credits
--		--
GSOC	Course Code & Title	Credits
--		--
GSOC/ GHUM	Course Code & Title	Credits
--		--
GMAT/ GSCI/ GTEC	Course Code & Title	Credits
	MATH 156 or higher (not MATH 171 or MATH 181)	3-6
General Education	Course Code & Title	Credits
--		--
Concentration Courses	Course Code & Title	Credits
	ENGT 144 DC/AC Electric Circuits	4
	ENGR 181 Graphics for Engineers	2
	ENGT 102 Manufacturing Process	3

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CC.AMAM: Advanced Manufacturing and Mechatronics, Certificate of Completion

Course Code & Title	Credits
ENGT 114 Principles of Quality Control & Quality Management	3
ENGT 140 Introduction to Computer Numeric Controlled (CNC) Machines	3
ELET 150 Automated Control Systems	4
MECH 150 Introduction to Hydraulics and Pneumatics	4

Elective Courses	Course Code & Title	Credits
--		--

Board Approval

History of Board approval dates

March 29, 2018

Board of Trustees Approval Date: July 22, 2021

Course codes updated to ENGT in summer 2022 after they were approved by governance in spring.

Reviewer

Comments

Key: 18

EXHIBIT B-7

5/14/24, 4:57 PM

CC.VP: Video Production, Certificate of Completion

Program Change Request

Date Submitted: 04/08/24 12:27 pm

Viewing: **CC.VP : Video Production, Certificate of Completion**

Last approved: 01/08/24 11:53 am

Last edit: 04/08/24 12:27 pm

Changes proposed by: James Marshall (jmarshall)

Catalog Pages Using [Video Production, Certificate of Completion](#)
this Program

Program Type	Certificate of Completion
Program Title	Video Production, Certificate of Completion
Academic School	Arts and Humanities
Effective Catalog Year	2024-2025
Program Code	CC.VP
CIP Code	109999 - Communications Technologies/Technicians and Support Services, Other.

In Workflow

1. AH Academic Administrator
2. AH Dean
3. Executive Director of Curriculum and Program Development
4. Curriculum Committee Chair
5. Senate Chair
6. Vice President of Academic Affairs
7. Cabinet
8. President
9. Board of Trustees Chair
10. Academic Administrator for Programs

Program Description

Approval Path

1. 04/08/24 12:30 pm
Kathryn Kingsbury (kkingsbury):
Approved for AH

5/14/24, 4:57 PM

CC.VP: Video Production, Certificate of Completion

- Academic Administrator
- 2. 04/08/24 12:36 pm
Jonathan Molinaro (jmolinaro):
Approved for AH Dean
- 3. 04/08/24 12:39 pm
James Marshall (jmarshall):
Approved for Executive Director of Curriculum and Program Development
- 4. 04/11/24 7:16 pm
Caroline Brittain (cbrittain):
Approved for Curriculum Committee Chair

History

- 1. Apr 7, 2022 by Heather Sciarappa (hsciarappa)
- 2. Jan 8, 2024 by Susan O'Connor (soconnor)

5/14/24, 4:57 PM

CC.VP: Video Production, Certificate of Completion

This certificate program prepares students for entry-level video production positions in the arts, entertainment, and educational media, including basic marketing/public relations experiences in planning and executing visual programming. Completion of Adobe Certified Associate Industry Credential is encouraged after completion of COEM 220 Video Location Production.

Program Learning Outcomes

	Students who successfully complete this program will be able to:
PLO1	Demonstrate overall proficiency in the use of standard audio and video production equipment, including audio and video digital editing software.
PLO2	Gather information needed and produce specialized material for media, including news, sports, commercials, press releases, and public service announcements.
PLO3	Develop skills in media writing, announcing, producing, and programming.
PLO4	Apply independent thinking, problem-solving, and creativity to their work.

Learning Outcomes Display (show only)

Course Code	PLO 1	PLO 2	PLO 3	PLO 4
ENGL 151				
COEM 120	Project Presentation	Project Presentation	Project Presentation	Project Presentation
COMM 151				
COEM 220				
COMM 281		Paper	Paper	Paper
INTR 290				

Required Qualifications

<https://catwork.ocean.edu/courseleaf/approve/?role=admin>

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CC.VP: Video Production, Certificate of Completion

ENGL 151	English I	3
COEM 120	Television Studio Production	3
COMM 151	Media Writing I	3
COEM 220	Video Location Production	3
COMM 281	Mass Communications	3
COEM 290	Course COEM 290 Not Found	3
INTR 290	Internship 3	<u>3</u>
Total Credit Hours		18

Degree Requirements Breakdown

GCOM	Course Code & Title	Credits
	ENGL 151	3
GHUM	Course Code & Title	Credits
	None	0
GSOC	Course Code & Title	Credits
	None	0
GSOC/ GHUM	Course Code & Title	Credits
	None	0
GMAT/ GSCI/ GTEC	Course Code & Title	Credits
	None	0

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CC.VP: Video Production, Certificate of Completion

General Education	Course Code & Title	Credits
	None	0
Concentration Courses	Course Code & Title	Credits
	COEM 120	3
	COEM 220	3
	COMM 151	3
	COMM 281	3
	COMM 290	3
Elective Courses	Course Code & Title	Credits
	None	0

Board Approval

History of Board approval dates

Board of Trustees Approval Date: December 6, 2018

Board of Trustees Approval Date: March 24, 2022

Reviewer
Comments

Key: 37

EXHIBIT B-8

5/14/24, 4:58 PM

CT.INFO: Information Technology, Certificate of Proficiency

Program Change Request

Date Submitted: 04/04/24 10:47 am

Viewing: **CT.INFO : Information Technology, Certificate of Proficiency**

Last approved: 04/10/23 1:40 pm

Last edit: 04/04/24 10:47 am

Changes proposed by: Cynthia Fallon (cfallon)

[Information Technology, Certificate of Proficiency.](#)

Catalog Pages Using
this Program

Program Type	Certificate of Proficiency
Program Title	Information Technology, Certificate of Proficiency
Academic School	Science, Technology, Engineering, Mathematics
Effective Catalog Year	2024-2025
Program Code	CT.INFO
CIP Code	110301 - Data Processing and Data Processing Technology/Technician.

Program Description

In Workflow

1. STEM Academic Administrator
2. STEM Dean
3. Executive Director of Curriculum and Program Development
4. Curriculum Committee Chair
5. **Senate Chair**
6. Vice President of Academic Affairs
7. Cabinet
8. President
9. Board of Trustees Chair
10. Academic Administrator for Programs

Approval Path

1. 04/04/24 10:54 am
Cynthia Fallon (cfallon): Approved

5/14/24, 4:58 PM

CT.INFO: Information Technology, Certificate of Proficiency

- for STEM Academic Administrator
- 2. 04/04/24 11:23 am
Sylvia Riviello (sriviello): Approved for STEM Dean
- 3. 04/10/24 3:06 pm
James Marshall (jmarshall): Approved for Executive Director of Curriculum and Program Development
- 4. 04/25/24 4:17 pm
Caroline Brittain (cbrittain): Approved for Curriculum Committee Chair

History

- 1. Apr 10, 2023 by Susan O'Connor (soconnor)

5/14/24, 4:58 PM

CT.INFO: Information Technology, Certificate of Proficiency

This Computer Science/Information Technology certificate program is designed primarily for the student in the work environment seeking to become computer literate through a non-degree course of study. A certificate will be awarded to students completing the courses with a cumulative average of 2.0 or higher. This curriculum provides a basic core of hardware and software courses with 9 additional CSIT elective courses designed to address needs in preparing the student for advancement in the work environment or to the next level of computer science study.

Program Learning Outcomes

PLO1	n/a	Students who successfully complete this program will be able to:
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Learning Outcomes Display (show only)

Course Code	PLO 1
ENGL 151	
CSIT 165	
CSIT 166	
CSIT 176	
MATH 151	
MATH 171	
CSIT 213	

Required Qualifications

ENGL 151	English I	3
CSIT 165	Programming I	4
CSIT 166	Programming II	4

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CT.INFO: Information Technology, Certificate of Proficiency

CSIT 176	Computer Organization & Architecture	3
Select one of the following:		3
MATH 151	A Survey of Mathematics	
MATH 171	Finite Mathematics	
MATH 181	Course MATH 181 Not Found	
or higher		
CSIT 213	Database Management	3
CSIT 115 or Higher CSIT Elective(s)		9
200-level CSIT Elective(s)		3
Total Credit Hours		32

Degree Requirements Breakdown

Requirement	Course Code & Title	Credits
GCOM	n/a	n/a
GHUM	n/a	n/a
GSOC	n/a	n/a
GSOC/ GHUM	n/a	n/a

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CT.INFO: Information Technology, Certificate of Proficiency

GMAT/ GSCI/ GTEC	n/a	Course Code & Title	Credits
General Education	n/a	Course Code & Title	Credits
Concentration Courses	n/a	Course Code & Title	Credits
Elective Courses	n/a	Course Code & Title	Credits

Board Approval

History of Board approval dates n/a

Reviewer
Comments

Key: 47

EXHIBIT B-10

5/14/24, 4:59 PM

Approve Pages

Course Change Request

New Course Proposal

Date Submitted: 04/26/24 2:47 pm

Viewing: **HEHP 184 : Exploration of the U.S. Healthcare System and Healthcare Professions**

Last edit: 05/01/24 11:11 am

Changes proposed by: Mary Gibson (mgibson)

Programs referencing this course
[AS.PUBH: Public Health Associate in Science](#)

Learning Outcomes
 Display (show only)

1. Course Information

Subject	HEHP - Health and Human Performance
School	Business and Social Sciences
Course Title	Exploration of the U.S. Healthcare System and Healthcare Professions

2. Hours

Semester Hours	3
Lecture	3
Lab	0
Practicum	0

3. Catalog Description

For display in the online catalog This course will provide an overview of the healthcare system in the United States and is tailored for students with an interest in diverse health-related careers. Students will gain insight into the significance of critical thinking, professionalism, communication, and essential competencies and theories crucial to the healthcare system and the roles of health professionals.

4. Requisites

Prerequisites None

In Workflow

1. BS Academic Administrator
2. BS Dean
3. Executive Director of Curriculum and Program Development
4. Curriculum Committee Chair
5. Senate Chair
6. Vice President of Academic Affairs
7. Cabinet
8. President
9. Board of Trustees Chair
10. BS Academic Administrator
11. Colleague

Approval Path

1. 04/29/24 12:01 pm Tracey Taylor (ttaylor): Approved for BS Academic Administrator
2. 05/01/24 11:11 am Rosann Bar (rbar): Approved for BS Dean
3. 05/03/24 8:08 am James Marshall (jmarshall): Approved for Executive Director of Curriculum and Program Development
4. 05/10/24 12:39 pm

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Approve Pages

Corequisites None

Caroline Britain
(cbrittain);
Approved for
Curriculum
Committee Chair

5. Course Type

Course Type for Perkins Reporting vocational (approved for Perkins funding)

6. Justification

Describe the need for this course: Currently there is no course offered that provides the combination of this course content. This course will be a core course requirement as part of the development of a new A.S. in Public Health. Through the review of the program announcement for the proposed A.S. in Public Health, the independent consultant recommended a course of this description to be available for students interested in health care careers.

7. General Education

Will the college submit this course to the statewide General Education Coordinating Committee for approval as a course, which satisfies a general education requirement?
No

If the course does not satisfy a general education requirement, which of the following does it satisfy:

Program-specific requirement

8. Consistency with the Vision and Mission Statements, the Academic Master Plan, and the strategic initiatives of the College

Please describe how this course is consistent with Ocean County College's current Vision Statement, Mission Statement, Academic Master Plan, and the strategic initiatives of the College:

Add item	
1	Providing student-centered, high quality educational experiences that prepare and empower diverse learners to succeed (Mission Statement)
2	Preparing students for successful entrance into the workforce. (Academic Master Plan)
3	Empower students to learn, engage, and achieve (Strategic Goals)

9. Related Courses at Other Institutions

Comparable Courses at NJ Community Colleges

Institution: Sussex County CC
Course Title: Foundations of Health Services

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Approve Pages

Course Number HSCI170

Number of Credits 3

Comments

Institution Rowan College of South Jersey

Course Title Elements of Health Care Careers

Course Number HS101

Number of Credits 3

Comments

Institution Hudson County CC

Course Title Introduction to Health Care

Course Number HLT-111

Number of Credits 2

Comments

Institution Passaic County CC

Course Title Issues in Modern Health Care

Course Number PHE-250

Number of Credits 1

Comments

Transferability of Course

Georgian Court University	Course Code, Title, and Credits	Transfer Category Elective Credit	If non-transferable; select status
Kean University	Course Code, Title, and Credits	Transfer Category	If non-transferable; select status Unable to determine status
Monmouth			

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University	Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
Rowan University	HE001 100 level	Health Elective	
Rowan University	INTR99070	Free Elective	
Rutgers - New Brunswick, Mason Gross School of the Arts			Will not transfer
Stockton University	HLTH1101 Introduction to Health Sciences	Core Course in BSBS program	

If not transferable to any institution, explain:

10. Course Learning Outcomes

Learning Outcomes

Students who successfully complete this course will be able to:	
CLO1	Explain the various components of the U.S. Healthcare system.
CLO2	Identify traditional and emerging roles in healthcare.
CLO3	Demonstrate the concepts of professionalism and effective professional communication in the healthcare setting.
CLO4	Describe legal and ethical issues affecting healthcare practice.
CLO5	Utilize valid and reliable sources of information to perform basic research in the healthcare field.
CLO6	Explore competencies and theories that are foundational to health care education and the health care system.
CLO7	Demonstrate how the integration of wellness principles impacts health.
CLO8	Apply critical thinking skills in formulating decisions in the field of healthcare.

11. Topical Outline

(include as many themes/skills as needed)

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
TO1	US healthcare System	Reading	Test	CLO1 CLO2 CLO4 CLO5

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	a. History	Class Discussion	Quiz	
	b. Future	Group Project	Research Project	
	c. Disparities			
TO2	Categories of US Healthcare	Reading	Test	CLO1 CLO2 CLO5 CLO7
	a. Behavioral Health Services	Class Discussion	Quiz	
	b. Health promotion & wellness services	Group Project	Research Project	
	c. Disease Prevention Services			
	d. Diagnosis and Treatment Services			
	e. Rehabilitation Services			
TO3	Healthcare Facilities	Reading	Test	CLO1 CLO2 CLO5 CLO7
	a. Inpatient	Class Discussion	Quiz	
	b. Outpatient	Group Project	Research Paper	
	c. Ambulatory care			
	d. Home care			
TO4	Health Career Planning	Reading	Test	CLO3 CLO4 CLO5 CLO8
	a. Professionalism	Class Discussion	Quiz	
	b. Communication	Group Project	Research Paper	
	b. Legal & Ethical issues			
TO5	Health Practitioners & Technicians	Reading	Test	CLO1 CLO2 CLO3 CLO4 CLO5 CLO6 CLO8
	a. Educational pathways	Class Discussion	Quiz	
	b. Work environment	Research Project	Research Project	
	c. Salary		Presentation	
TO6	Entrepreneurship	Reading	Research Project	CLO2 CLO3
		Class Discussion	Test	

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Quiz

12. Methods of Instruction

In the structuring of this course, what major methods of instruction will be utilized? Lecture, Experiential learning, Virtual simulated case studies, Collaboration with professional organizations

13. General Education Goals Addressed by this Course (this section is to fulfill state requirements)

Information

Communication-Written and Oral Yes

Related Course Learning Outcome CLO2, CLO3, CLO5,

Related Outline Component TO3, TO4, TO5

Assessment of General Education Goal (Recommended but not limited to) Test, Quiz, Research Paper, Research Project

Quantitative Knowledge and Skills

Scientific Knowledge and Reasoning

Technological Competency

Information Literacy Yes

Related Course Learning Outcome CLO2, CLO5, CLO6

Related Outline Component TO2, TO3, TO4, TO5

Assessment of General Education Goal (Recommended but not limited to) Test, Quiz, Research Paper, Research Project

Society and Human Behavior

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Humanistic Perspective

Historical Perspective Yes

Related Course CLO1, CLO2,
Learning Outcome

Related Outline TO1, TO2,
Component

Assessment of General Education Goal (Recommended but not limited to)
Test, Quiz, Research Paper, Research Project

Global and Cultural Awareness

Ethical Reasoning and Action

Independent/Critical Thinking Yes

Related Course CLO8, CLO7, CLO4
Learning Outcome

Related Outline TO4, TOS, TO6
Component

Assessment of General Education Goal (Recommended but not limited to)
Test, Quiz, Research Project, Research paper

14. Needs

Instructional Materials (text etc.): Textbooks and OER resources will be utilized.

Technology Needs: General classroom technology

Human Resource Needs (Presently Employed vs. New Faculty): Presently employed faculty will teach this course.

Facility Needs: n/a

Library needs: n/a

15. Grade Determinants

The final grade in the course will be the cumulative grade based on the following letter grades

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or their numerical equivalents for the course assignments and examinations.

A: Excellent

B+: Very Good

B: Good

C+: Above Average

C: Average

D: Below Average

F: Failure

I: Incomplete

R: Audit

For more detailed information on the Ocean County College grading system, please see Policy #5154.

Reviewer

Comments

Ex: 226