

NORTH CAROLINA COMMUNITY COLLEGE SYSTEM

Thomas A. Stith III President

NUMBERED MEMO CC21-020

TO: Presidents

Chief Academic Officers

FROM: Dr. Lisa Eads

Associate Vice President, Programs

SUBJECT: Curriculum Course Review Committee Course Approvals

DATE: April 22, 2021

The Curriculum Course Review Committee (CCRC) has the responsibility for maintaining the curriculum courses in the *Combined Course Library* (CCL). The approved course requests from the Spring 2021 CCRC meeting, held on February 25, 2021, are attached for your information. *Course revisions may involve the removal of required prerequisites or corequisites. Please note that colleges may add local prerequisites and/or corequisites if they determine a need exists.*

Course Revision Impact to Curriculum Standards

The State Board of Community Colleges has delegated authority to the Senior Vice President to approve curriculum standard changes involving **core course title and/or credit hour changes** resulting from CCRC action. The standards listed below have been revised as a result of CCRC approved changes to the credit hours of a core course.

Information Technology (A25590)
Photographic Technology (A30280)
Environmental Planning and Development (A55350)

Please be aware that you must implement the attached revised courses and standards no later than one year after the effective term. You must update your college's electronic program of study and receive approval from the System Office *prior* to implementation of the revised courses and programs.

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Curriculum standards, curriculum courses, and procedures for submitting requests to the CCRC are available on the Academic Programs home page at:

http://www.nccommunitycolleges.edu/academic-programs

If you need assistance or clarification concerning CCRC action, please contact Dr. Deana Guido, Director of Academic Programs, at guidod@nccommunitycolleges.edu or (919) 807-7098.

LE/nd

Attachments

c: Curriculum Course Review Committee

Dr. Kimberly Gold

Dr. Deana Guido

Mr. Terrence McDonald Program Coordinators

Curriculum Course Requests Approved by the Curriculum Course Review Committee (CCRC)

February 25, 2021

Course Number	Course Title	Request	Effective Semester	Core Course
ACC 249	Forensic Accounting and Cybersecurity	New Course Request (Central Piedmont CC)	Summer 2021	N/A
ANS 230A	Poultry Management Lab	New Course Request (Wilkes CC)	Summer 2021	N/A
ANS 236	Poultry Processing	New Course Request (Wilkes CC)	Summer 2021	N/A
ART 150	New Technology for the Artist	New Course Request (Pitt CC)	Summer 2021	N/A
ART 170	The Business of Art	New Course Request (Pitt CC)	Summer 2021	N/A
ART 211	Introduction to Art Education	New Course Request (Pitt CC)	Summer 2021	N/A
ENG 127	Fiction Writing	New Course Request (Cape Fear CC)	Summer 2021	N/A
ENG 128	Poetry Writing	New Course Request (Cape Fear CC)	Summer 2021	N/A
ENG 129	Creative Nonfiction Writing	New Course Request (Cape Fear CC)	Summer 2021	N/A
EPD 200	Environmental Planning and Land Use	Revision: Change Course Number from "EPD 200" to "EPD 210" (Rockingham CC)	Early Implementation Fall 2021	A55350
GRD 282	Advertising Copywriting	Revision: Change Course Hours from "1-2-0-0-2" to "1-3-0-0-2;" Revise Course Description (Wake Tech CC)	Early Implementation Fall 2021	N/A

Course Number	Course Title	Request	Effective Semester	Core Course
GRD 285	Client /Media Relations	Revision: Change Course Hours from "1-2-0-0-2" to "1-3-0-0-2;" Revise Course Description (Wake Tech CC)	Early Implementation Fall 2021	N/A
MUS 114	Non-Western Music	Revision: Change Course Title from "Non-Western Music" to "World Music;" Revise Course Description (Caldwell CCTI)	Early Implementation Fall 2021	N/A
MUS 214	Electronic Music I	Revision: Change Pre-requisite from "MUS-111" to "None;" Revise Course Description (Pitt CC)	Early Implementation Fall 2021	N/A
PHO 139	Intro to Digital Imaging	Revision: Change Course Hours from "1-3-0-0-2" to "1-4-0-0-3" (Carteret CC)	Early Implementation Fall 2021	A30280
WEB 115	Web Markup and Scripting	Revision: Change Course Hours from "2-2-0-0-3" to "2-3-0-0-3;" Revise Course Description (Wake Tech CC)	Spring 2022	A25590
WEB 215	Adv Web Markup and Scripting	Revision: Change Course Hours from "2-2-0-0-3" to "2-3-0-0-3;" Revise Course Description (Wake Tech CC)	Spring 2022	N/A

Curriculum Standard for Information Technology

Career Cluster: Web and Digital Communications, Information Support and Services, Programming and Software Development, and Network Systems.

Cluster Description: Building linkages in IT occupations framework: for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multi-media, and systems integration services.

Pathway: Information Technology Effective Term: Fall 2020 (2020*03)

Program Major Under Pathway						
Program Major / Classification of Instruction Prog	Program Major / Classification of Instruction Programs (CIP) Code					
Information Technology	CIP Code: 11.0103	AAS/Diploma/Certificate	A25590			

Pathway Description:

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

I. General Education Academic Core

Curriculum Requirements for associate degree, diploma, and certificate programs in accordance with 1 D SBCC 400.10: Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.

Information Techn	ology		
Recommended General Education Academic Core	AAS	Diploma	Certificate
Minimum General Education Hours Required:	15 SHC	6 SHC	0 SHC

^{*}Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers. Approved by the State Board of Community Colleges on September 18, 2015. Editorial revision September 21, 2015; Editorial Revision 09/25/15; CRC Revised 10/22/15; CRC Revised 05/26/16; CRC Revised—Electronic Only 05/25/17; Prefix addition 09/18/17; CCRC Revised—Electronic Only 05/23/19; CCRC Revised--Electronic Only (RISE Initiative) 10/24/19; Revised 02/13/20; CCRC Electronic Only 2/25/21; CCRC Revised 02/25/2021

Communicati	on:			6 SHC	3-6 SHC	Optional
COM	110	Introduction to Communication	3 SHC			-
COM	120	Intro Interpersonal Com	3 SHC			
COM	231	Public Speaking U	3 SHC			
ENG	111	Writing and Inquiry U	3 SHC			
ENG	112	Writing/Research in the Disc U	3 SHC			
ENG	114	Prof Research & Reporting	3 SHC			
ENG	116	Technical Report Writing	3 SHC			
Humanities/F	ine Arts:			3 SHC	0-3 SHC	Optional
ART	111	Art Appreciation U	3 SHC			
HUM	110	Technology and Society	3 SHC			
HUM	115	Critical Thinking	3 SHC			
HUM	230	Leadership Development	3 SHC			
MUS	110	Music Appreciation U	3 SHC			
PHI	240	Introduction to Ethics U	3 SHC			
Social /Behav	ioral Scie	ences:				
ECO	151	Survey of Economics	3 SHC	3 SHC	0-3 SHC	Optional
ECO	251	Prin of Microeconomics U	3 SHC			
ECO	252	Prin of Macroeconomics U	3 SHC			
POL	120	American Government U	3 SHC			
PSY	118	Interpersonal Psychology	3 SHC			
PSY	150	General Psychology U	3 SHC			
SOC	210	Introduction to Sociology U	3 SHC			
Natural Scie	nces/Mat	hematics:				
MAT	110	Math Measurement and Literacy	3 SHC			
MAT	121	Algebra/Trigonometry I	3 SHC	3-4 SHC	0-3 SHC	Optional
MAT	143	Quantitative Literacy U	3 SHC			
MAT	152	Statistical Methods I U	4 SHC			
MAT	171	Precalculus Algebra U	4 SHC			

- **II. Major Hours**. AAS, diploma, and certificate programs must include courses that offer specific job knowledge and skills. Work Based Learning (WBL) may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. Below is a description of each section under Major Hours.
 - A. Technical Core. The technical core is comprised of specific courses which are required for all Program Majors under this Curriculum Standard. A diploma program offered under an approved AAS program standard or a certificate, which is the highest credential level awarded under an approved AAS program standard, must include a minimum of 12 semester hours of credit derived from the curriculum core courses or core subject area of the AAS program.

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- B. **Program Major(s).** The Program Major must include a minimum of 12 semester hours of credit from required subjects and/or courses.
- **c. Other Major Hours.** Other Major Hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from each prefix listed, with the exception of prefixes listed in the core.

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		Information Technolog	у	AAS	Diploma	Certificate
	Minimum Major Hours Required:			49 SHC	30 SHC	12 SHC
	A. Technical Core: A diploma offered under this AAS degree requires a minimum of 12 SHC extracted from the				12 SHC	
required so	ubject/cou	rse core of the AAS degree				
CTS	115	Info Sys Business Concepts	3 SHC			
СТІ	110	Web, Pgm, & DB Foundation	3 SHC			
CTI	120	Network & Sec Foundation	3 SHC			
Select one:						
CET	111	Computer Upgrade/Repair I	3 SHC			
CIS	110	Introduction to Computers	3 SHC			
CIS	115	Intro to Prog and Logic	3 SHC			
CSC	120	Computing Fundamentals I	4 SHC			
CTI	115	Computer Systems Foundation	3 SHC			
CTI	130	Os and Device Foundation	6 SHC			
CTS	120	Hardware/Software Support	3 SHC			
NOS	110	Operating Systems Concepts	3 SHC			
OST	137	Office Applications I	3 SHC			
WEB	110	Internet/WEB Fundamentals	3 SHC			
Information 12 SHC to be	ubject A n Syster selected f	Areas (Select one subject area ms):			
Computer Select one:	Progran	nming and Development				
CSC	134	C++ Programming	3 SHC			
CSC	139	Visual BASIC Programming	3 SHC			
CSC	151	JAVA Programming	3 SHC			
CSC	153	C# Programming	3 SHC			
Select one:						
CSC	234	Advanced C++ Programing	3 SHC			
CSC	239	Advanced Visual BASIC Prog	3 SHC			
CSC	249	Data Structure & Algorithms	3 SHC			
CSC	251	Advanced JAVA Programing	3 SHC			
CSC	253	Advanced C# Programing	3 SHC			
	Administ	tration and Data Center Techr	nologies			
Select two:						
BAS	120	Intro to Analytics	3 SHC			
DBA	120	Database Programming I	3 SHC			
DBA	210	Database Administration	3 SHC			
CTI	140	Virtualization Concepts	3 SHC			
CTI	141	Cloud & Storage Concepts	3 SHC			
NOS	120	Linux/UNIX Single User	3 SHC			
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Data Mana	rement	<u> </u>				
Select two:	beilien					
BUS	228	Business Statistics	3 SHC			
CTS	130	Spreadsheet	3 SHC			
DBA	110	Database Concepts	3 SHC			
DBA	115	Database Applications	3 SHC			
DBA	120	Database Programming I	3 SHC			
Data Suppo						
Select two:		1003				
DBA	110	Database Concepts	3 SHC			
DBA	115	Database Applications	3 SHC			
DBA	120	Database Programming I	3 SHC			
DBA	220	Oracle DB Programing II	3 SHC			
DBA	221	SQL Server DB Prog II	3 SHC			
DBA	240	Database Analysis/ Design	3 SHC			
		•	3 3110			
Digital Med	iia Proc	uction				
Select two:	440		2.0110			
DME	110	Intro to Digital Media	3 SHC			
DME	115	Graphic Design Tools	3 SHC			
DME	120	Intro to Multimedia Appl	3 SHC			
DME	130	Digital Animation I	3 SHC			
WEB	210	Web Design	3 SHC			
Game and S	Simulat	ion Programming				
Select one:						
CSC	134	C++ Programming	3 SHC			
CSC	151	JAVA Programming	3 SHC			
CSC	153	C# Programming	3 SHC			
SGD	113	SGD Programing	3 SHC			
Select one:						
SGD	111	Introduction to SGD	3 SHC			
SGD	112	SGD Design	3 SHC			
Healthcare	Inform	atics				
HBI	110	Issues and Trends in HBI	3 SHC			
Select one:						
DBA	110	Database Concepts	3 SHC			
DBA	120	Database Programming I	3 SHC			
DBA	210	Database Administration	3 SHC			
HBI	113	Survey of Med Insurance	3 SHC			
IT Business	Sunno	rt				
Select two:	зарро	. •				
CTS	130	Spreadsheet	3 SHC			
CTS	240	Project Management	3 SHC			
DBA	110	Database Concepts	3 SHC			
DBA	240	Database Analysis/Design	3 SHC			
WEB	151	Mobile Applications Dev I	3 SHC			
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Mobile Ann	lication	ns Developer			
Select two:	iicatioi	is Developer			
CTI	150	Mobile Computing Devices	3 SHC		
WEB	125	WEB Mobile Design	3 SHC		
WEB	141	Mobile Interface Design	3 SHC		
WEB	151	Mobile Applications Dev I	3 SHC		
WEB	251	Mobile Applications Dev II	3 SHC		
			3 3110		
Network Ma	anagen	nent			
Select one:					
NET	110	Networking Concepts	3 SHC		
NET	125	Introduction to Networking	3 SHC		
Select one:					
CTI	140	Virtualization Concepts	3 SHC		
CTI	141	Cloud & Storage Concepts	3 SHC		
NET	126	Routing Basics	3 SHC		
NOS	120	Linux/UNIX Single User	3 SHC		
NOS	230	Windows Administration I	3 SHC		
Network Te	lecom	munications			
Select two:					
NET	125	Introduction to Networking	3 SHC		
NET	130	Convergence Concepts	3 SHC		
NET	241	Introduction to VOIP	3 SHC		
TNE	111	Campus Networks I	3 SHC		
TNE	250	Intro to Telecom Networks	3 SHC		
	ia web	Development			
Select two:	120	Viewal DACIC Due augustica	2 CHC		
CSC	139	Visual BASIC Programming	3 SHC		
CSC	143	Object-Oriented Prog	3 SHC		
CSC	151	JAVA Programming	3 SHC		
CSC	153	C# Programming	3 SHC		
DBA	120	Database Programming I	3 SHC		
WEB	115	Web Markup and Scripting	3 SHC		
Support and	d Servi	ces			
CTS	155	Tech Support Functions	3 SHC		
Select one:					
CET	211	Computer Upgrade/Repair II	3 SHC		
CTS	135	Integrated Software Intro	4 SHC		
CTS	220	Adv Hard/Software Support	3 SHC		
CTS	250	User Support & Software Eval	3 SHC		
CTS	255	Adv Tech Support Functions	3 SHC		
CTS	272	Desktop Support: Apps	3 SHC		
Systems Sec	urity				
SEC	110	Security Concepts	3 SHC		
Select one:	110	Security Concepts	3 3/10		
CCT	110	Intro to Cyber Crime	3 SHC		
NET	110	Networking Concepts	3 SHC		
NET	125	Introduction to Networking	3 SHC		
SEC	150	Secure Communications	3 SHC		
SEC	160	Secure Administration I	3 SHC		
	100	Secure Administration i	3 3110		

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Web Admin	istratio	on and Design			
Select two:					
DBA	120	Database Programming I	3 SHC		
NOS	120	Linux/UNIX Single User	3 SHC		
NOS	230	Windows Administration I	3 SHC		
WEB	115	Web Markup and Scripting	3 SHC		
WEB	210	Web Design	3 SHC		
WEB	250	Database Driven Websites	3 SHC		

C. Other Major Hours.

To be selected from the following prefixes:

ACC, ART, BAS, BUS, CCT, CET, CIS, CJC, CSC, CTI, CTS, DBA, DEA, DES, DFT, DME, ECM, ECO, EGR, ELC, ELN, ETR, GIS, GRA, GRD, HBI, HIT, HMT, ISC, ITN, MAT, MED, MIT, MKT, NET, NOS, OMT, OST, PCI, PHO, PMT, SEC, SGD, SGR, TNE, WBL, and WEB.

Up to two semester hour credits may be selected from ACA.

Up to three semester hour credits may be selected from the following prefixes: ARA, ASL, CHI, FRE, GER, ITA, JPN, LAT, POR, RUS and SPA.

III. Other Required Hours

A college may include courses to meet graduation or local employer requirements in a certificate (0-1 SHC), diploma (0-4 SHC), or an associate in applied science (0-7 SHC) program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as Other Required Hours.

IV. Employability Competencies

Fundamental competencies that address soft skills vital to employability, personal, and professional success are listed below. Colleges are encouraged to integrate these competencies into the curriculum by embedding appropriate student learning outcomes into one or more courses or through alternative methods.

- **A. Interpersonal Skills and Teamwork** The ability to work effectively with others, especially to analyze situations, establish priorities, and apply resources for solving problems or accomplishing tasks
- B. Communication The ability to effectively exchange ideas and information with others through oral, written, or visual means
- **C. Integrity and Professionalism** Workplace behaviors that relate to ethical standards, honesty, fairness, respect, responsibility, self-control, criticism and demeanor
- **D. Problem-solving** The ability to identify problems and potential causes while developing and implementing practical action plans for solutions
- **E. Initiative and Dependability** Workplace behaviors that relate to seeking out new responsibilities, establishing and meeting goals, completing tasks, following directions, complying with rules, and consistent reliability
- F. Information processing The ability to acquire, evaluate, organize, manage, and interpret information
- **G.** Adaptability and Lifelong Learning The ability to learn and apply new knowledge and skills and adapt to changing technologies, methods, processes, work environments, organizational structures and management practices
- **H. Entrepreneurship** The knowledge and skills necessary to create opportunities and develop as an employee or self-employed business owner

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http://www.nc-net.info/NC career clusters guide.php or http://www.careertech.org/

Summary of Required Semester Hour Credits (SHC) for each credential:

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit (SHC)	64-76	36-48	12-18

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^{**}The North Carolina Career Clusters Guide was developed by the North Carolina Department of Public Instruction and the North Carolina Community College system to link the academic and Career and Technical Education programs at the secondary and postsecondary levels to increase student achievement. Additional information about Career Clusters is located at:

Curriculum Standard for Visual Arts: Photographic Technology

Career Cluster: Arts, Audio/Video Technology and Communications **

Cluster Description: Designing, producing, exhibiting, performing, writing, and publishing multi-media content including visual and performing arts and design, journalism, and entertainment services.

Pathway: Visual Arts Effective Term: Fall 2021 (2021*03)

Program Majors Under Pathway						
Program Major / Classification of Instruct	Credential Level(s)	Program				
Code	Offered	Major Code				
Photographic Technology	CIP Code 10.0201	AAS/Diploma/Certificate	A30280			

Pathway Description:

The Photographic Technology curriculum offers training in photographic techniques and their application in professional photographic disciplines. Students will receive comprehensive course work in one of the following subject areas: Photographic Technology, Biocommunications Photography, Photojournalism, Commercial Photography, or Portrait Studio Management.

Course work includes developing skills in the following areas: fundamentals of camera systems, lighting, photographic process, digital imaging, design, multimedia and business practices.

Graduates should qualify for entry-level jobs in the photographic industry. Employment opportunities exist in the following areas: commercial photography, photojournalism, biomedical photography, portrait photography, equipment sales, photographic laboratories, and imagining technologies depending upon courses offered and completed.

I. General Education Academic Core

[Curriculum Requirements for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]: Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.

Visual Arts: Photographic Technology

	Visual Aits	i notograpine recinio	1089		
Recommende	Recommended General Education Academic Core			Diploma	Certificat
					е
Minimum Ger	eral Education Hours Require	d:	15 SHC	0 SHC	
Courses listed be	low are recommended general edu	cation courses for this curriculu	m		
standard. Colleg	es may choose to include additiona	l or alternative general education	on		
courses to meet l	ocal curriculum needs.	_			
*Recommended	certificate and diploma level curriculu	ım courses. These courses may n	ot		
	sociate degree programs.	, =			
	rsal General Education Transfer Com	ponent Courses (UGETC)			
Communication:					
*COM 101	Workplace Communication	3 SHC	6 SHC	3-6 SHC	Optional
COM 110	Introduction to Communication	3 SHC			
COM 120	Intro to Interpersonal Com	3 SHC			
COM 231	Public Speaking	3 SHC U			

^{*}Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

•							
*ENG	101	Applied Communications I	3 SHC				
*ENG	102	Applied Communications II	3 SHC				
ENG	110	Freshman Composition	3 SHC				
ENG	111	, ,	3 SHC	U			
ENG	112	Argument-Based Research	3 SHC	U			
ENG	114	, ,	3 SHC				
ENG	115	Oral Communication	3 SHC				
ENG	116	Technical Report Writing	3 SHC				
Humanities,	/Fine	Arts:					
ART	111	Art Appreciation	3 SHC	U			
ART	114	Art History Survey I	3 SHC	U	2 5116	0.3.6116	Ontional
ART		Art History Survey II	3 SHC	U	3 SHC	0-3 SHC	Optional
		Values in the Workplace	2 SHC				
HUM		Technology and Society	3 SHC				
ним	115	Critical Thinking	3 SHC				
HUM	230	Leadership Development	3 SHC				
PHI	230	Introduction to Logic	3 SHC				
PHI	240	Introduction to Ethics	3 SHC	U			
Social /Beha	wiora						
ECO			3 SHC				
ECO		Survey of Economics	3 SHC	U			
	251			U	3 SHC	0-3 SHC	Optional
GEO	110	Introduction to Geography	3 SHC		3 3 1 1	0-3 3HC	Optional
GEO *PSY	111	0 0 1 7	3 SHC				
*PSY		Applied Psychology Human Relations	3 SHC 2 SHC				
PSY			3 SHC				
PSY	118 135	Interpersonal Psychology Group Processes	3 SHC				
PSY	150		3 SHC	U			
*SOC	105		3 SHC	U			
soc	210	Introduction to Sociology	3 SHC	U			
SOC	215	Group Processes	3 SHC	O			
			3 3110				
		Mathematics:	2 0110				
BIO		Environmental Biology	3 SHC				
BIO	160	Introductory Life Science	3 SHC				
*MAT		Applied Mathematics I	3 SHC		3 SHC	0-3 SHC	Optional
MAT		Mathematical Measurement	3 SHC		3 3110	0-3 3HC	Optional
MAT		Mathematical Models	3 SHC				
MAT		Geometry and Trigonometry	3 SHC				
MAT		Algebra/Trigonometry I	3 SHC				
MAT		Survey of Mathematics	3 SHC				
MAT		Statistics I	3 SHC				
MAT		Statistical Analysis	3 SHC				
PHY		Conceptual Physics	3 SHC	U			
PHY	121	Applied Physics I	4 SHC				

- **II. Major Hours**. AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. Below is a description of each section under Major Hours.
 - **D. Technical Core.** The technical core is comprised of specific courses which are required for all Program Majors under this Curriculum Standard. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an

^{*}Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

approved AAS program standard must include a minimum of 12 semester hours credit derived from the curriculum core courses or core subject area of the AAS program.

- **E. Program Major(s).** The Program Major must include a minimum of 12 semester hours credit from required subjects and/or courses. The Program Major is in addition to the technical core.
- **F. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from each prefix listed, with the exception of prefixes listed in the core.

^{*}Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

CURRICUI UM STANDARD

Effective Term Fall 2021 [2021*03]

Curriculum Program Title

Environmental Planning and Development

Program

Code

A55350

Concentration

(not applicable)

CIP Code

03.0206

Curriculum Description

This curriculum is designed to provide students with the knowledge and skills for employment and growth in the environmental and outdoor recreation industry. Graduates will be prepared to plan, design, construct, assess and manage outdoor recreational assets.

Coursework includes topics related to environmental planning, outdoor recreation, outdoor asset design, policy mandates, and effective management techniques. Course work will be taught through lecture, discussion, experiential activities and fieldwork.

Graduates of this program should qualify for employment with non-profits, government agencies, landscaping, outdoor companies and other environmental and recreational entities. Graduates of this program will have the skills to pursue entrepreneurial opportunities.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]

- I. General Education. Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- **II. Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. (See second page for additional information.)
- III. Other Required Hours. A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

	AAS	Diploma	Certific ate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit (SHC)	64-76	36-48	12-18

Major Hours

- A. Core. The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- **B.** Concentration (if applicable). A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- **C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

		AAS	Diploma	Certificate
Minimum Major Hours Required		49	30 SHC	12 SHC
		SHC		
A. CORE		25 or	25 or	
Required Courses:		26	26 SHC	
EPD 111 Intro to Env. Plan. & Dev. 2 SH	IC	SHC	20 3/10	
TRL 110 Int. to Tr., Blwys. & Grwys. 2 SH	IC			
Select one of the following courses:				
EPD 180 Plan. & Des. Pro. Vis. Tech. 3 SI	HC			
GIS 111 Introduction to GIS 3 SI	HC			
Select one of the following courses:				
EPD 115 Env. Plan., Des. & Layout 3 S	HC			
LAR 242 Planning & Environments 3 SI	HC			
Select one of the following courses:				
EPD 220 Land Use MAPC 3 S	HC			
TRL 220 Sustainable Trail MAPC 3 SH				
BUS 148 Survey of Real Estate 3 SH	HC			
Required Subject Areas (Select one of the fol	lowing three subjec	rt		
areas):				
Environmental Planning				
EPD 210 Env. Plan. and Land Use	3 SHC			
EPD 230 Pub. Pl., Part. & Comm. Eng.	3 SHC			
Select one of the following courses:				
TRL 253 Comm. Paths & Placemaking	3 SHC			
PAD 253 Intro to Urban Planning	3 SHC			
1 AD 233 IIIII to orbail Flaming	3 3110			
Select one of the following courses:				
AGR 160 Plant Science	3 SHC			
GEO 130 General Physical Geography	3 SHC			

Outdoor Eco	nomy & Development				
BUS 110	Introduction to Business	3 SHC			
BUS 139	Entrepreneurship I	3 SHC			
MKT 120	Principles of Marketing	3 SHC			
Select one of	the following courses:				
ODL 284	Principles of Ecotourism	3 SHC			
REC 122	Program Administration	3 SHC			
ACC 120	Prin. of Financial Accounting	4 SHC			
Trails & Outo	loor Recreation Infrastructure				
TRL 210	Work Crew Lead. & Risk Mgt.	2 SHC			
EPD 125	Parks, Land. & Tr. Mn. Tech.	3 SHC			
_	the following courses:				
	Rec. Struct. Const. Tech.	4 SHC			
	Sus. Trail Const. Tech.	4 SHC			
LAR 112	Landscape Materials & Methods	4 SHC			
Select one of	the following courses:				
_	Plant Science	3 SHC			
GEO 130	General Physical Geography	3 SHC			
B. CONCE	NTRATION (Not applicable)				
C. OTHER MAJOR HOURS					
To be selected from the following prefixes:					
ACC, AGR, ART, BIO, BPR, BUS, CAR, CEG, CHM, CIS, CMT, CST, DFT, ECO, ENV, EPD, FOR, FWL, GEL, GEO, GIS, HEO, HET, HOR, IVS, LAR,					
LID, LSG, MAS, MKT, MNT, ODL, OMT, PAD, PHS, PMT, REC, SRV,					
TRE, TRL, WBL					
1112, 1112	·, ··				

Approved by the State Board of Community Colleges on 10/16/20. CCRC Revised 02/25/2021.