

NORTH CAROLINA COMMUNITY COLLEGE SYSTEM Dr. R. Scott Ralls, President

February 21, 2013

To: Presidents

Chief Academic Officers

From: Wesley Beddard, Associate Vice President

Student Learning and Success

Subject: Curriculum Review Committee Course Approvals

The Curriculum Review Committee (CRC) has the responsibility for maintaining the curriculum courses in the Combined Course Library (CCL). The approved course requests from the Spring 2013 meeting 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.

The CRC approved requests to revise the **course description, prerequisite(s), corequisite(s), and/or class/lab hours** of core courses found on the curriculum standards listed below. Please note that the only change indicated on the printed standard will be the inclusion of the statement *CRC Revised-Electronic Only 1/25/13*, since only the electronic version of the standard template will be revised.

<u>Curriculum Title</u>	Curriculum Code
Business Analytics	A25350
Cardiovascular Sonography	A45160
Digital Effects and Animation Technology	A30130
Medical Sonography	A45440
Photographic Technology/Photojournalism	A3028C

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. The revised standards are attached for your convenience.

CC13-003 E-mail Presidents Chief Academic Officers Page 2 February 21, 2013

Curriculum standards, curriculum courses and procedures for submitting requests to the CRC are available on the Academic Programs home page at http://www.nccommunitycolleges.edu/programs.

If you need assistance or clarification, please contact Ms. Jennifer Frazelle, Director of Academic Programs, at frazellej@nccommunitycolleges.edu or (919) 807-7120.

WB/dm

Attachments

c: Curriculum Review Committee

Dr. Sharon E. Morrissey

Ms. Elizabeth Self

Ms. Cynthia Liston

Ms. Jennifer Frazelle

Program Coordinators

CC13-003 E-mail

Course			Effective	
Prefix #	Title	Request	Semester	Curriculum Standard Core Course
			Summer 2013	
ARC 225	Architectural BIM I	New CCL course	(2013*02)	na
			(
			Summer 2013	
ARC 225A	Architectural BIM I Lab	New CCL course	(2013*02)	na
/ to/			(20:00)	
			Summer 2013	
ARC 226	Architectural BIM II	New CCL course	(2013*02)	na
			Summer 2013	
ARC 226A	Architectural BIM II Lab	New CCL course	(2013*02)	na
/ to/			(20:00)	
		Change corequisites "BUS 228,	Summer 2013	
		or MAT 151, or MAT 155"	(2013*02)	
BAS 121	Analytics Methods I	to "None"	Early Implement	Business Analytics (A25350)
			Summer 2013	
		Change prerequisites from "BUS	,	
BAS 220	Business Analytics II	110 and BAS 120" to "BAS 120"	Early Implement	Business Analytics (A25350)
		Change prerequisites from "ENG	Spring 2014	
BUS 260	Business Communication	111" to "ENG 110 or ENG 111"	(2014*01)	na
			,	
		Change prerequisites from "CHM	Spring 2014	
CHM 263	Analytical Chemistry	132" to "CHM 132 or CHM 152"	(2014*01)	na
	,		,	
		Change course hours	Fall 2013	
		from "0-0-15-5" to	(2013*03)	
CVS 160	Clinical Ed I	"0-4-9-5"	,	Cardiovascular Sonography (A45160)

Course			Effective	
Prefix #	Title	Request	Semester	Curriculum Standard Core Course
		Change corequisites from "DEA		
		212 2D Design and Animation II		
		and DEA 220 DEAT Compositing		
		" to "DEA 212 2 D Design and	Spring 2014	
DEA 230	Implementation Project I	Animation II"	(2014*01)	Digital Effects and Animation Technology (A30130)
DEC 440	Dida /Osastana Osas	Name COL Course	Summer 2013	
DES 112	Bldg./Construc Sys	New CCL course	(2013*02)	na
			Summer 2013	
DES 242	Kitchen/Bath Design	New CCL course	(2013*02)	na
			Summer 2013	
DES 243	Adv. Kitchen/Bath Design	New CCL course	(2013*02)	na
			Fall 2013	
DMS 001	Developmental Math Shell 1	New CCL course	(2013*03)	na
			Fall 2013	
DMS 002	Developmental Math Shell 2	New CCL course	(2013*03)	na
			Fall 2013	
DMS 003	Developmental Math Shell 3	New CCL course	(2013*03)	na
20 000	Developmental main energ	11011 002 000.00	Fall 2013	
DMS 004	Developmental Math Shell 4	New CCL course	(2013*03)	na
DIVIS 004	Developmental Math Shell 4	New CCL course	(2013-03)	lia .
		Previously approved for pilot		
		colleges only. Now open to all	Summer 2013	
DRE 096	Integ Reading & Writing I	colleges.	(2013*02)	na
		New CCL course	(
		Previously approved for pilot		
		colleges only. Now open to all	Summer 2013	
DRE 097	Integ Reading & Writing II	colleges.	(2013*02)	na
		New CCL course		
		Previously approved for pilot		
		colleges only. Now open to all	Summer 2013	
DRE 098	Integ Reading & Writing III	colleges.	(2013*02)	na
		New CCL course		
		Previously approved for pilot		
		colleges only. Now open to all	Summer 2013	
DRE 099	Integ Reading/Writing III Option	colleges.	(2013*02)	na

Course			Effective	
Prefix #	Title	Request	Semester	Curriculum Standard Core Course
		Allow an option for local suffixes	Spring 2014	
EDU 184	Early Child Intro Pract	to be used with EDU 184.	(2014*01)	20
EDU 164	Early Child Intio Pract	to be used with EDO 164.	(2014-01)	na
			Summer 2013	
FVP 240	Introduction to Screenwriting	New CCL course	(2013*02)	na
		Archive Course		
		(Developmental Education	Endterm	
MAT-050	Basic Math Skills	Initiative State Policy Team)	Fall 2013	na
	Datie Main Chine	initiative state i elley reality	1 411 20 10	110
		Archive Course		
		(Developmental Education	Endterm	
MAT-051	Fast Track Basic Math	Initiative State Policy Team)	Fall 2013	na
		Archive Course		
		(Developmental Education Math	Summer 2013	
MAT-060	Essential Mathematics	Redesign Task Force)	Endterm	na
		Archive Course		
		(Developmental Education Math	Summer 2013	
MAT-061	Fast Track Essential Math	Redesign Task Force)	Endterm	na
		Archive Course	_	
		(Developmental Education Math	Summer 2013	
MAT-070	Introductory Algebra	Redesign Task Force)	Endterm	na
		Archive Course		
		(Developmental Education Math	Summer 2013	
MAT-071	Fast Track Intro Algebra	Redesign Task Force)	Endterm	na
IVIA 1-07 1	Tast Track Intio Algebra	redesign rask roice)	Liidleiiii	III
		Archive Course		
		(Developmental Education Math	Summer 2013	
MAT-080	Intermediate Algebra	Redesign Task Force)	Endterm	na
		- ,		
		Archive Course		
		(Developmental Education Math	Summer 2013	
MAT-081	Fast Track Intermed Algebra	Redesign Task Force)	Endterm	na
IVI/1 1-00 I	i asi i ack ilitellileu Algebia	iveresign rask rolle	LIIGIEIIII	πα

		Effective	
Title	Request	Semester	Curriculum Standard Core Course
	Change prerequisites from "PHO	Fall 2013	
	224 Multimedia Production" to	(2013*03)	
Photojournalism I	"PHO 110"	Early Implement	Photographic Technology/Photojournalism (A3028C)
		` '	
Business of Photography	110" to "None"	Early Implement	na
Treatment Intervention	New CCL course	(2013*02)	na
			Cardiovascular Sonography (A45160)
Sonographic Physics	163 or SON 110" to "None"	Early Implement	Medical Sonography (A45440)
		Fall 2013	
	Change prerequisites from "SON		Cardiovascular Sonography (A45160)
Vascular Sonography		•	· , , , , , , , , , , , , , , , , , , ,
		Change prerequisites from "PHO 224 Multimedia Production" to "PHO 110" Change prerequisites from "PHO 110" Change prerequisites from "PHO 110" to "None" Treatment Intervention New CCL course Change prerequisites from "CVS 163 or SON 110" to "None" Change prerequisites from "CVS 163 or SON 110" to "None"	Title Request Change prerequisites from "PHO 224 Multimedia Production" to "PHO 110" Photojournalism I Change prerequisites from "PHO 110" Fall 2013 (2013*03) Early Implement Fall 2013 (2013*03) Early Implement Change prerequisites from "PHO 110" New CCL course Change prerequisites from "CVS (2013*02) Fall 2013 (2013*02) Fall 2013 (2013*03) Early Implement Change prerequisites from "CVS (2013*03) Early Implement Change prerequisites from "CVS (2013*03) Early Implement Change prerequisites from "SON (2013*03) Early Implement

Effective Term Fall 2012 [2012*03]

Curriculum Program Title	Business Analytics	Code	A25350
Concentration	(not applicable)		

Curriculum Description

The Business Analytics curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in analytical professions. Business analysts process and analyze essential information about business operations and also assimilate data for forecasting purposes.

Students will complete course work in business analytics, including general theory, best practices, data mining, data warehousing, predictive modeling, project and operations management, statistical analysis, and software packages. Related skills include business communication, critical thinking and decision making.

Graduates should qualify for employment as data technicians, data scientists, business and data analytics engineers, and business analysts in the fields of finance, banking, logistics, marketing, healthcare, manufacturing, information technology, and government organizations.

Curriculum Requirements*

- **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 experience, including cooperative education, practicums, and internships, 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.

	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 in Program	64-76	36-48	12-18

^{*}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.

- **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 of 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 experience, including cooperative education, practicums, and internships, 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.

		Busi	iness Analytics (A253	50)		
			•	AAS	Diploma	Certificate
Mir	nimum M	ajor Hours Required		49 SHC	30 SHC	12 SHC
Α.	CORE	-		32-33 SHC	15 SHC	
	Courses req	uired for the diploma are designated with *	•			
Req	uired Cou	rses:				
*	BAS 120	Business Analytics I	3 SHC			
*	BAS 121	Analytics Methods I	3 SHC			
*	BAS 150	Analytics Tools I	3 SHC			
*	BAS 220	Business Analytics II	3 SHC			
	BAS 270	Analytics Practicum	3 SHC			
	BUS 110	Introduction to Business	3 SHC			
	CTS 130	Spreadsheet	3 SHC			
	DBA 110	Database Concepts	3 SHC			
Req	uired Sub	ject Areas:				
		Skills(Select one):				
	CIS 110	Introduction to Computers	3 SHC			
	CIS 111	Basic PC Literacy	2 SHC			
	OST 137	Office Software Applicat.	3 SHC			
*Stat	tistics(Select					
	BUS 228	Business Statistics	3 SHC			
	MAT 151	Statistics I	3 SHC			
	MAT 155	Statistical Analysis	3 SHC			
Data		nt(Select one)				
		Database Applications	3 SHC			
	DBA 120	Database Programming I	3 SHC			
	HBI 250	Data Mgmt and Utilization	3 SHC			
В.	CONCE	NTRATION (if applicable)				
C.	OTHER	MAJOR HOURS				
	To be select	ed from the following prefixes:				
	ACC, AIB	, BAF,BAS, BUS, CIS, CJC, COE, C	CSC, CTI, CTS, DBA,			
		O, ETR, GIS, HBI, HRM, INS, INT T, OST, PAD, RLS, and WEB	, ISC, ITN, LOG, MAT,			
		guage courses (including ASL) that are not may be included in all programs up to a n	0 11			

Effective Term Fall 2009 [2009*03]

Curriculum Program Title	Cardiovascular Sonography	Code	A45160
Concentration	(not applicable)	_	

Curriculum Description

The Cardiovascular Sonography curriculum provides the individual with the knowledge and skills necessary to acquire, process, and evaluate the human heart and vascular structures. A cardiovascular sonographer uses high frequency sound waves to produce images of the heart and vascular structures.

Course work includes effective communication and patient care skills combined with a knowledge of physics, human anatomy, physiology, and pathology, all of which are essential to obtaining high quality sonographic images.

Graduates may be eligible to apply to the American Registry of Diagnostic Medical Sonographers for examinations in physics, cardiovascular physics, vascular physics, and adult echocardiography. Graduates may find employment in hospitals, physicians' offices, mobile services, and educational institutions.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 23 NCAC 02E.0204(3)]

- **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 experience, including cooperative education, practicums, and internships, 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.

	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

^{*}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.

[ref. 23 NCAC 02E.0204 (3)]

- **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 experience, including cooperative education, practicums, and internships, 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
Min	imum Majo	or Hours Required		49 SHC	30 SHC	12 SHC
	A. CORE			52-53 SHC	12 SHC	
	A diplom	a offered under this AAS degree require	es a minimum of			
	12 SHC ext	tracted from the required subject/course	core of the AAS degree.			
Req	uired Cour	ses:				
-	CVS 160	CVS Clinical Education I	5 SHC			
	CVS 161	CVS Clinical Education II	8 SHC			
	CVS 162	CVS Clinical Education III	5 SHC			
	CVS 163	Echo I	4 SHC			
	CVS 164	Echo II	4 SHC			
	CVS 260	CVS Clinical Education IV	8 SHC			
	CVS 261	CVS Clinical Education V	8 SHC			
	SON 111	Sonographic Physics	4 SHC			
	SON 250	Vascular Sonography	2 SHC			
Rea	uired Subje	act Areas.				
		ysiology. Select one:				
1 1114	BIO 163	Basic Anatomy & Physiology	5 SHC			
	BIO 166	Anatomy and Physiology II	4 SHC			
	BIO 169	Anatomy and Physiology II	4 SHC			
В.	CONCE	NTRATION (Not applicable)				
C.	OTHER	MAJOR HOURS				
	To be select	ed from the following prefixes:				
	RIO RUS	, CHM, CIS, COE, COM, CSC, C	'VS ENG HSC MAT			
		, SOC, and SON	, vo, E110, 1150, 14111,			
		/ 1 1 1				
		nguage courses (including ASL) tha other major hours may be included	ē			

Effective Term Spring 2007 [2007*01]

Curriculum Program Title

Digital Effects and Animation Technology

Code

A30130

Concentration

(not applicable)

Curriculum Description

The Digital Effects and Animation Technology curriculum is designed to provide students with the training necessary to become competent in creating, manipulating, and animating digital images. These skills have application in the production of a variety of moving image forms.

Students will take courses covering computer hardware/software applications, computer animation, creation and manipulation of digital images and nonlinear editing. They will become proficient at using media industry standard hardware/software to generate and manipulate images, and create digital special effects.

Upon completion of this program, students will be able to generate moving images and manipulate captured images for a variety of media production applications. Graduates should qualify for employment in the creation and/or editing of a variety of media forms.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 23 NCAC 02E.0204(3)]

- **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 experience, including cooperative education, practicums, and internships, 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.

	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

^{*}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.

[ref. 23 NCAC 02E.0204(3)]

- **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 experience, including cooperative education, practicums, and internships, 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.

	Digital Effects an	d Animation Techi	nology A30130 AAS	Diploma	Certificate
				-	
Minimum Major Hours Required			49 SHC	30 SHC	12 SHC
A.	CORE		33 SHC	NR	
Reg	uired Courses:				
•	DEA 111 Introduction to DEAT	3 SHC			
	DEA 112 2D Design and Animation I	3 SHC			
	DEA 212 2D Design and Animation II	3 SHC			
	DEA 213 3D Design and Animation I	3 SHC			
	DEA 214 3D Design and Animation II	3 SHC			
	DEA 220 DEAT Compositing	3 SHC			
	DEA 221 DEAT Modeling	3 SHC			
	DEA 230 Implementation Project I	4 SHC			
	DEA 231 Implementation Project II	4 SHC			
	DEA 240 DEAT Portfolio Review	4 SHC			
Req	uired Subject Areas: None				
В.	CONCENTRATION (Not applicable)				
C.	OTHER MAJOR HOURS				
	To be selected from the following prefixes:				
	ACA, ART, BPT, CIS, COE, CSC, DEA, DES, F and WEB	VP, GRA, ITN, SGD			
	ally WED				
	Foreign language courses (including ASL) that are a approved other major hours may be included in all maximum of 3 semester hours of credit.	_			

Effective Term Fall 1997 [1997*03]

Curriculum Program Title Medical Sonography		Code	A45440	
Concentration	(not applicable)			

Curriculum Description

The Medical Sonography curriculum provides knowledge and clinical skills in the application of high frequency sound waves to image internal body structures.

Course work includes physics, cross-sectional anatomy, abdominal, introductory vascular, and obstetrical/gynecological sonography. Competencies are attained in identification of normal anatomy and pathological processes, use of equipment, fetal growth and development, integration of related imaging, and patient interaction skills.

Graduates of accredited programs may be eligible to take examinations in ultrasound physics and instrumentation and specialty examinations administered by the American Registry of Diagnostic Medical Sonographers and find employment in clinics, physicians' offices, mobile services, hospitals, and educational institutions.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 23 NCAC 02E.0204 (3)]

- **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 experience, including cooperative education, practicums, and internships, 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.

	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

^{*}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.

[ref. 23 NCAC 02E.0204 (3)]

- **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 experience, including cooperative education, practicums, and internships, 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.

			edical Sonography A45	AAS	Diploma	Certificate
3.51					_	
Min		or Hours Required		49 SHC	30 SHC	12 SHC
A.		offered under this AAS degree requires a racted from the required subject/course of		53-54 SHC	12 SHC	
Reg	uired Cour	ses:				
•	SON 110	Introduction to Sonography	3 SHC			
	SON 111	Sonographic Physics	4 SHC			
	SON 120	SON Clinical Education I	5 SCH			
	SON 121	SON Clinical Education II	5 SHC			
	SON 130	Abdominal Sonography I	3 SHC			
	SON 131	Abdominal Sonography II	2 SHC			
	SON 140	Gynecologic Sonography	2 SHC			
	SON 220	SON Clinical Education III	8 SHC			
	SON 221	SON Clinical Education IV	8 SHC			
	SON 225	Case Studies	1 SHC			
	SON 241	Obstetrical Sonography I	2 SHC			
	SON 242	Obstetrical Sonography II	2 SHC			
	SON 250	Vascular Sonography	2 SHC			
	SON 289	Sonographic Topics	2 SHC			
Req	uired Subje	ect Areas:				
		ysiology. Select one:				
	BIO 163	Basic Anatomy & Physiology	5 SHC			
	BIO 166	Anatomy and Physiology II	4 SHC			
	BIO 169	Anatomy and Physiology II	4 SHC			
В.	CONCE	NTRATION (Not applicable)				
C.	OTHER	MAJOR HOURS				
	To be selected from the following prefixes:					
	BIO, BUS, CHM, CIS, COE, CSC, CVS, ECO, HEA, HSC, MAT, PHS, PHY, and SON					
	Foreign language courses (including ASL) that are not designated as approved other major hours may be included in all programs up to a maximum of 3 semester hours of credit.					

Effective Term Spring 2013 [2013*01]

Curriculum Program Title Photographic Technology Code A3028C

Concentration Photojournalism

Curriculum Description

Photojournalism is a concentration under the curriculum title of Photographic Technology. This curriculum provides in-depth coverage of professional photojournalism as it is currently practiced at newspapers and magazines.

Students will receive practical comprehensive instruction in the logistics and techniques of photojournalism. Courses include detailed study of photography of news, sports, and features; computer-based layout and design; and legal and ethical issues. Newspaper internships provide on-the-job training.

Graduates should be thoroughly prepared to successfully perform the duties required in entry-level positions in photojournalism.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 23 NCAC 02E.0204 (3)]

- **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 experience, including cooperative education, practicums, and internships, 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.

	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

^{*}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.

[ref. 23 NCAC 02E.0204 (3)]

- **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 experience, including cooperative education, practicums, and internships, 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.

Require PH PH PH Require Lighting. PH Or PH PH					AAS	Diploma	Certificate
Require PH PH PH Require Lighting. PH Or PH PH	M.:					•	
Required PH PH PH PH PH PH PH PH		or Hours Required			49 SHC	30 SHC	12 SHC
Require Lighting. PF Or PF PF	CORE				13-14 SHC	NR	
Require Lighting. PH or PH PH	ed Cours	ses:					
Require Lighting. PI or PI PI PI	HO 110	Fundamentals of Photography	5 SHC				
Require Lighting. PI or PI PI	HO 139	Intro to Digital Imaging	2 SHC				
Lighting. PH or PH PH PH	HO 224	Multimedia Production	3 SHC				
PI <i>or</i> PI PI	ed Subje	ect Areas:					
or PI PI PI	. Select	3-4 SHC:					
PI PI PI	HO 115	Basic Studio Lighting	4 SHC				
PI PI	r						
PI	HO 125	Basic Object Lighting	1 SHC	&			
	HO 126	Basic Portrait Lighting	1 SHC	&			
	HO 135	Product Lighting	1 SHC				
B. C (ONCEN	NTRATION			18 SHC	18 SHC	
Co	Courses unique to the concentration are designated with **						
PF	HO 132	Small-Format Photography	4 SHC				
PF	HO 217	Photojournalism I	4 SHC				
** PF	HO 227	Photojournalism II	8 SHC				
** PF	HO 232	Photojournalism Portfolio Preparation	2 SHC				
C. O	THER	MAJOR HOURS					
To	o be selecte	ed from the following prefixes:					
В	BUS, CIS, COE, CSC, GRA, GRD, JOU, PFN, and PHO						
-	•	e semester hour credits may be selected from RA, ASL, CHI, FRE, GER, ITA, JPN, LAT,					