



DIAGNOSTIC MEDICAL SONOGRAPHY

Associate in Applied Science (2018-2019 Catalog)

Student Name: _____

Advisor Name: _____

Developmental Education Courses (if required)

English Placement			Math Placement		
<input type="checkbox"/>	ACLS025	Academic Reading and Writing Skills I	<input type="checkbox"/>	MATH 020	Pre-Algebra
<input type="checkbox"/>	ACLS026	Academic Reading and Writing Skills II	<input type="checkbox"/>	MATH 022	Elementary Algebra
<input type="checkbox"/>	ACLS050	Introduction to Academic Literacy	<input type="checkbox"/>	MATH 026	Intermediate Algebra
<input type="checkbox"/>	ENGL027	Writing Skills Workshop			

SEMESTER-BY-SEMESTER PROGRAM MAP FOR FULL-TIME STUDENTS

Courses are listed in preferred order of completion

Plans can be modified to fit the needs of part-time students by adding more semesters

Choose your courses with your Success Navigator or Faculty Advisor.

Pre Degree Requirements:

Admission to the program is on a competitive basis. The minimum admission requirements to the program include:

- Completion of high school or GED equivalent
- Completion of high school biology with a lab component with a grade of B or better OR BIOS 115
- Completion of 2 units of high school algebra with C or better OR MATH 022 and MATH 026 OR MATH 028 with a C or better
- Submission of an application
- Submission of all official transcripts
- Completion of a Career Assessment Form (CAF)
- Minimum overall GPA of 3.0
- Competitive applicants will be interviewed by the program admission committee

Meeting the minimum admission requirements does not guarantee admission into the Sonography Program. Primary consideration will be given to applicants who have completed:

- College Algebra, Human Anatomy I & II with a B or better the first time a course is taken
- The general education courses that apply to the program

Complete	Semester 1 (Fall)					
	Course #	Course Title	Credits	Gen Ed	Term/Location Offered (Fall, Winter, Spring, Summer) (Bethlehem, Monroe, Fowler, Online)	Pre-requisites / Co-requisites (PRE / CO)
<input type="checkbox"/>	COLS101	College Success	1		FA, SP, SU; BETH, MROE, DIST	
<input type="checkbox"/>	BIOS204	Human Anatomy and Physiology I	4	Science	FA, SP, SU; BETH, MROE	PRE: One year of HS Biology or BIOS107 or 115
<input type="checkbox"/>	DMSG101	Essentials of Patient Care	2		FA; BETH	
<input type="checkbox"/>	DMSG102	Intro to Diagnostic Medical Sonography	1		FA; BETH	
<input type="checkbox"/>	DMSG103	Intro to Acoustic Physics	2		FA; BETH	PRE or CO: MATH 140
<input type="checkbox"/>	DMSG104	Intro to Clinical Education	1		FA; BETH	
<input type="checkbox"/>	DMSG125	Sectional Anatomy for Medical Imagers	1		FA; BETH	PRE: BIOS204 CO: BIOS254
<input type="checkbox"/>	ENGL101	English I	3	Communication	FA, SP, SU; BETH, MROE, DIST	PRE: English Placement Policy
<input type="checkbox"/>	MATH140	College Algebra	3	QL	FA, SP, SU; BETH, MROE, DIST	PRE: MATH026 or Math Placement
	Total Semester Credits:		18			
Complete	Semester 2 (Spring)					
	Course #	Course Title	Credits	Gen Ed	Term/Location Offered	Pre-requisites/Co-requisites
<input type="checkbox"/>	BIOS254	Human Anatomy and Physiology II	4	Science	FA, SP, SU; BETH, MROE	PRE: BIOS204 with a C or better
<input type="checkbox"/>	DMSG105	Acoustics Physics and Instrumentation I	2		SP; BETH	PRE: MATH140
<input type="checkbox"/>	DMSG110	Abdominal Sonography-Anatomy, Physiology, Imaging & Critique I	4		SP; BETH	PRE: BIOS204 PRE or CO: BIOS254
<input type="checkbox"/>	DMSG115	OB & GYN Sonography- Anatomy, Physiology, Imaging, & Critique I	4		SP; BETH	PRE: BIOS204 PRE or CO: BIOS254
<input type="checkbox"/>	DMSG124	Clinical Education I	2		SP; Clinical Sites	PRE: DMSG104
	Total Semester Credits:		18			

Complete	Semester 3 (Summer)					
	Course #	Course Title	Credits	Gen Ed	Term/Location Offered	Pre-requisites/Co-requisites
<input type="checkbox"/>	DMSG174	Clinical Education II	2		SU; Clinical Sites	PRE: DMSG124
<input type="checkbox"/>		Elective	3		FA, SP, SU; BETH, MROE, DIST	
	Total Semester Credits		5			
Complete	Semester 4 (Fall)					
	Course #	Course Title	Credits	Gen Ed	Term/Location Offered	Pre-requisites/Co-requisites
<input type="checkbox"/>	CMTH102	Introduction to Speech	3	Communication	FA, SP, SU; BETH, MROE, DIST	
<input type="checkbox"/>	DMSG155	Acoustic Physics and Instrumentation II	3		FA; BETH	PRE: DMSG105
<input type="checkbox"/>	DMSG160	Abdominal Sonography – Anatomy, Physiology, Imaging, & Critique II	4		FA; BETH	PRE: DMSG110
<input type="checkbox"/>	DMSG163	Fundamentals of Fetal Scanning	1		FA; BETH	
<input type="checkbox"/>	DMSG224	Clinical Education III	2		FA; Clinical Sites	PRE: DMSG174
<input type="checkbox"/>	ENGL151L	English II (Literature) (D)	3	Communication	FA, SP, SU; BETH, MROE, DIST	PRE: ENGL101
	Total Semester Credits		18			
Complete	Semester 5 (Spring)					
	Course #	Course Title	Credits	Gen Ed	Term/Location Offered	Pre-requisites/Co-requisites
<input type="checkbox"/>	DMSG 165	OB & GYN Sonography – Anatomy, Physiology, Imaging, & Critique II	4		SP; BETH	PRE: DMSG115
<input type="checkbox"/>	DMSG 215G	Small Parts and Special Topics	2		SP; BETH	PRE: ENGL101
<input type="checkbox"/>	DMSG 234	Clinical Education IV	3		SP; Clinical Sites	PRE: DMSG224
<input type="checkbox"/>	DMSG 235	Introduction to Vascular Sonography	2		SP; BETH	
<input type="checkbox"/>	PSYC 103	Introduction to Psychology	3	SSHB	FA, SP, SU; BETH, MROE, DIST	PRE: Reading/Writing competency for ENGL101
<input type="checkbox"/>		SIT General Education Elective	3	SIT	FA, SP, SU; BETH, MROE, DIST	
	Total Semester Credits:		17			
Complete	Semester 6 (Summer)					
	Course #	Course Title	Credits	Gen Ed	Term/Location Offered	Pre-requisites/Co-requisites
<input type="checkbox"/>	DMSG244	Clinical Education V	3		SU; Clinical Sites	PRE: DMSG234
	Total Semester Credits:		3			
	Total Degree Credits:		75			

Notes:

- Human Anatomy and Physiology I is substituted for one of the Human Knowledge courses.
- Computer competencies are included in various courses in this program. Thus, completing the program automatically satisfies the computing requirement for the degree.
- Elective: All courses except: OXX-level courses; EARL 221, EARL 222.

Societies & Institutions over Time (SIT) Electives		
CMTH 221 History of Broadcasting	HIST 140 Modern Chinese History	POLS 105 American Constitutional Law (G-WI)
GEOG 101 World Geography	HIST 153 Found of Mod Euro History, 1300-1815 (G-WI)	POLS 110 American National Government (G-WI)
GEOG 151 Geography of the U.S. and Canada (G-WI)	HIST 163 American History II	POLS 150 Peace Studies & Conflict Resolution (Study Abroad)
GLBL 130 Intro to Global Studies	HIST 165 The American Experience of Warfare	POLS 170 Politics of Modern Turkey (Study Abroad)
GLBL 160 Field Experience & Acad Research in GS	HIST 166 Civil War and Reconstruction (G-WI)	POLS 202 International Relations
GLBL 230 Global Studies Capstone	HIST 168 History of the Middle East (G-WI)	POLS 205 Women and Politics (G-WI)
HIST 103 Ancient and Medieval History	HIST 173 Mod European History, 1815 to Present (G-WI)	POLS 251 State and Local Government (G-WI)
HIST 113 American History I (G-WI)	HIST 210 History of Mod Science, 1859 to Present	SOCA 102 Cultural Anthropology (G-WI)
HIST 121 The Black Experience (G-WI)	HIST 211 History of Pennsylvania	SOCA 105 American Ethnicity
HIST 123 African Civilization	INTS 202 The Architecture of the City: Classic to Contemporary	SOCA 160 Issues in Contemporary Genocide & Mass Violence
	POLS 101 Introduction to Political Science	
<i>Note: General Education courses offered as writing intensive are noted with a G-WI</i>		

Program Narrative:

- With America's growing and aging population, the healthcare sector continues to offer growth in employment opportunities. Sonography is a key part of today's advanced medical practices, and qualified sonography graduates from Northampton find good-paying, flexible and rewarding positions throughout the country. Completion of the program requirements of Northampton's Associate in Applied Science (AAS) degree allows the graduate the opportunity to sit for the American Registry of Diagnostic Medical Sonographer's (ARDMS) examination.
- NCC's sonography program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) in collaboration with the Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS).

Diagnostic Medical Sonography
Commission on Accreditation of Allied Health Education Programs (CAAHEP)
25400 U.S. Highway 19 North, Suite 158
Clearwater, FL 33763
Phone: (727) 210-2350 Fax: (727) 210-2354 www.caahep.org
Joint Review Committee on Education in Diagnostic Medical Sonography
6021 University Blvd, Suite 500
Ellicott, MD 21043
Phone: (443) 973-3251 Fax: (866) 738-3444 www.jrcdms.org magat@jrcdms.org

Program Learning Outcomes:

- To prepare competent entry level general sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.
 - with a broad knowledge base that enables them to embrace life-long learning.
 - who are able to adapt to ever-changing technology in the health care industry.
 - who are competent to pass the certification examination.
 - who meet or exceed the needs of their employers.

Career Potential:

- Sonographer (RDMS), Echocardiographer (RDCS), Vascular Technologist (RVT)

Transfer Potential:

- Thomas Jefferson University, Misericordia University and Adventist University of Health Sciences.