



Diagnostic Medical Sonography, Associate in Applied Science (2024-25 Catalog)

Vascular Track

Developmental Education Courses (if required)

<input type="checkbox"/>	ACLS050	Introduction to Academic Literacy
<input type="checkbox"/>	ENGL027	Writing Skills Workshop
<input type="checkbox"/>	MATH020	Pre-Algebra
<input type="checkbox"/>	MATH022	Elementary Algebra
<input type="checkbox"/>	MATH026	Intermediate Algebra

Program Course Prerequisites (see Admissions Requirements for all details)

<input type="checkbox"/>	One year of HS Biology w/ lab and a grade of B or better or BIOS115
<input type="checkbox"/>	Two units of algebra with a C or better or MATH022 and MATH026 with a C or better

Placement in English and/or Mathematics must first be determined by official transcripts and/or placement testing. Developmental education courses are only taken if needed based on a student's placement; these courses would be in addition to the courses outlined below. Developmental education courses may extend the timeline to degree completion.

Transferring credits into NCC: Official transcripts are required; awarded credit will appear in Workday's Academic Progress.

	complete		Course Title	Credits	Pre-requisites / Co-requisites
Fall	<input type="checkbox"/>	COLS101	College Success	1	Exempt: COLS150 or 12+ transfer credits & 2.0 GPA
	<input type="checkbox"/>	BIOS204	Human Anatomy and Physiology I	4	PRE: HS Biology or BIOS107 or 115
	<input type="checkbox"/>	DMSG101	Essentials of Patient Care	2	
	<input type="checkbox"/>	DMSG102	Intro to Diagnostic Medical Sonography	1	
	<input type="checkbox"/>	DMSG103	Intro to Acoustic Physics	2	PRE or CO: MATH 140
	<input type="checkbox"/>	DMSG104	Intro to Clinical Education	1	
	<input type="checkbox"/>	DMSG106	Vascular Technology - Anatomy, Physiology, Imaging & Critique I	4	PRE or CO: BIOS204
	<input type="checkbox"/>	MATH140	College Algebra	3	PRE: MATH026 or Math Placement
			Total Semester Credits:	18	
Winter	<input type="checkbox"/>	DMSG 122	Vascular Clinical Education I	1	Pre: DMSG 104
			Total Semester Credits:	1	
Spring	<input type="checkbox"/>	BIOS254	Human Anatomy & Physiology II	4	PRE: BIOS204 with a C or better
	<input type="checkbox"/>	DMSG105	Acoustics Physics and Instrumentation I	3	PRE: MATH140
	<input type="checkbox"/>	DMSG172	Vascular Clinical Education II	2	PRE: DMSG122
	<input type="checkbox"/>	DMSG125	Sectional Anatomy for Medical Imagers	1	PRE: BIOS204; PRE or CO: BIOS254
	<input type="checkbox"/>	ENGL101	English I	3	
	<input type="checkbox"/>	DMSG237	Vascular Technology- Anatomy, Physiology, Imaging, & Critique II	4	PRE: DMSG106 PRE or CO: BIOS254
			Total Semester Credits:	17	
Summer	<input type="checkbox"/>	DMSG182	Vascular Clinical Education III	4	PRE:DMSG172
	<input type="checkbox"/>	ENGL151L	English II	3	PRE: English Placement Policy
	<input type="checkbox"/>		Elective	3	
			Total Semester Credits:	10	

Diagnostic Medical Sonography is a fall-start, selective program. The application opens October 1 annually and must be completed by the deadline outlined online under Admission Requirements. As a selective program, please carefully review and regularly all provided information and requirements.

Meeting the minimum admissions requirements does not guarantee admission. Primary consideration is given to those who have completed: College Algebra, Human Anatomy I & II the first time a course is taken and the general education courses that apply to the program.

Students who wish to take general education requirements towards the Sonography degree may apply to the Health Sciences AAS.

How to search for general education electives:

You can find them here:
<https://northampton.smartcatalogiq.com/en/2023-2024/college-catalog/> or in Workday- Use the corresponding **Course Tag** filter to see the available options.

Social Science: Societies and Institutions Over Time = SIT

Elective: All courses except OXX-level courses; EARL 221, EARL 222.

(program sequence continues on page 2)

***It is the student's responsibility to be knowledgeable of NCC admission and graduation requirements and, if applicable, to verify transfer requirements with the 4-year institution.**

	complete	Course #	Course Title	Credits	Pre-requisites / Co-requisites
Fall	<input type="checkbox"/>	CMTH102	Introduction to Communication	3	
	<input type="checkbox"/>	DMSG107	Principles of Cardiovascular Technology	2	Pre: DMSG106
	<input type="checkbox"/>	DMSG155	Acoustic Physics and Instrumentation II	2	PRE: DMSG105
	<input type="checkbox"/>	DMSG232	Vascular Clinical Education IV	3	PRE: DMSG182
	<input type="checkbox"/>	DMSG 241	Vascular Pathophysiology	3	Pre: DMSG237
			Total Semester Credits:	13	
Spring	<input type="checkbox"/>	DMSG242	Vascular Clinical Education V	3	PRE: DMSG232
	<input type="checkbox"/>	DMSG239G	Vascular Ultrasound Special Topics	3	PRE: DMSG237
	<input type="checkbox"/>	PSYC103	Introduction to Psychology	3	PRE: Reading/Writing competency for ENGL101
	<input type="checkbox"/>		SIT General Education Elective	3	
			Total Semester Credits:	12	
				Total Degree Credits	71

General Education Requirements		
<input type="checkbox"/>	ENGL151L	Diversity
<input type="checkbox"/>	DMSG239G	Writing Intensive