



# Diagnostic Medical Sonography, Associate in Applied Science (2025-26 Catalog)

## Cardiac 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

### Program Course Prerequisites (see Admissions Requirements)

<input type="checkbox"/>	*BIOS115 or one year of HS Biology w/ lab and a grade of B or better	
<input type="checkbox"/>	*MATH022 or two units of algebra 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

	complete	Course Title	Credits	Prerequisites / Corequisites	
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"/>	MATH140	Applied College Algebra	3	PRE: MATH022 or Math Placement
	<input type="checkbox"/>	DMSG101	Essentials of Patient Care	2	
	<input type="checkbox"/>	DMSG103	Intro to Acoustic Physics	2	PRE or CO: MATH 140
	<input type="checkbox"/>	DMSG109	Intro to the Cardiovascular System	3	PRE: BIOS204
	<input type="checkbox"/>	DMSG111	Cardiac Pharmacology	1	PRE: BIOS204
	<input type="checkbox"/>	DMSG113	Non-Invasive Cardiac Testing and EKG	3	PRE: BIOS204
	<input type="checkbox"/>	DMSG117	Cardiac Procedures Clinical Education	1	PRE: DMSG101, DMSG 109 with C or better; CO: DMSG111
		<b>Total Semester Credits:</b>	<b>20</b>		
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"/>	DMSG119	Cardiac Pathophysiology	3	PRE or CO: BIOS254 with C or better
	<input type="checkbox"/>	DMSG127	Cardiac Procedures I	4	PRE: DMSG109 with C or better
		DMSG125	Sectional Anatomy for Medical Imagers	1	PRE: BIOS204; PRE or CO: BIOS254
	<input type="checkbox"/>	DMSG175	Cardiac Clinical Education I	1	PRE: DMSG117 with C or better
		<b>Total Semester Credits:</b>	<b>16</b>		
Summer	<input type="checkbox"/>	DMSG225	Cardiac Clinical Education II	3	PRE: DMSG175 with C or better
	<input type="checkbox"/>	DMSG251	Cardiac Pathophysiology II	3	PRE: DMSG119 with C or better
	<input type="checkbox"/>		Elective	3	
		<b>Total Semester Credits:</b>	<b>9</b>		

### Program Notes:

**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 AA.**

### How to search for general education electives:

In Workday's Academics- click *Find Course Sections & Register*, then use the corresponding **Course Tag** filter to see the available options.

Arts and Humanities = AH

Scientific Study of Human Behavior = SSHB

Societies and Institutions Over Time = SIT

(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. Courses listed on the program map are based upon the assumption that prerequisites and courses taken in previous semesters will be successfully completed.**

(Continuation of program)

	complete	Course #	Course Title	Credits	Pre-requisites / Co-requisites
Fall	<input type="checkbox"/>	COMM101	Introduction to Communication	3	
	<input type="checkbox"/>	ENGL101	English I	3	PRE: English Placement Policy
	<input type="checkbox"/>	DMSG129	IV Insertion Techniques	1	PRE or CO: BIOS204
	<input type="checkbox"/>	DMSG155	Acoustic Physics and Instrumentation II	2	PRE: DMSG105
	<input type="checkbox"/>	DMSG257	Cardiac Clinical Education III	3	PRE: DMSG225 with C or better
	<input type="checkbox"/>	DMSG253	Cardiac Procedures II	4	PRE: DMSG127 with C or better
			<b>Total Semester Credits:</b>		<b>16</b>
Winter	<input type="checkbox"/>	DMSG 258	Cardiac Clinical Education IV	1	PRE: DMSG257 with C or better
Spring	<input type="checkbox"/>	ENGL151L	English II (Literature) (D)	3	PRE: ENGL101
	<input type="checkbox"/>	PSYC103	Introduction to Psychology	3	PRE: Reading/Writing competency for ENGL101
	<input type="checkbox"/>		SIT General Education Elective	3	Depends on course selected
		DMSG245	Cardiac Clinical Education V	4	PRE: DMSG258 with C or better
	<input type="checkbox"/>	DMSG255G	Echocardiography Seminar and Capstone Project	2	PRE: DMSG253 with C or better
			<b>Total Semester Credits:</b>		<b>15</b>
<b>Total Degree Credits:</b>				<b>77</b>	
<b>General Education Requirements</b>					
	<input type="checkbox"/>	ENGL151L	Diversity		
	<input type="checkbox"/>	DMSG255G	Writing Intensive		