



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

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

	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"/>	MATH140	College Algebra	3	PRE: MATH026 or Math Placement	
	<input type="checkbox"/>	DMSG101	Essentials of Patient Care (1st accel)	2		
	<input type="checkbox"/>	DMSG103	Intro to Acoustic Physics	2	PRE or CO: MATH 140	
	<input type="checkbox"/>	DMSG109	Intro to the Cardiovascular System (1st accel)	3	PRE or CO: BIOS204	
	<input type="checkbox"/>	DMSG111	Cardiac Pharmacology (2nd accel)	1	PRE: DMSG109	
	<input type="checkbox"/>	DMSG113	Non-Invasive Cardiac Testing andEKG	3	PRE or CO: BIOS204	
			DMSG117	Cardiac Procedures Clinical Education (2nd accel)	1	PRE:DMSG101
			Total Semesters' Credits:		20	
Winter	<input type="checkbox"/>	DMSG121	Cardiac Clinical Education I	1	PRE: DMSG117	
			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"/>	DMSG119	Cardiac Pathophysiology I (1st accel)	3	PRE: BIOS204 PRE or CO: BIOS254	
	<input type="checkbox"/>	DMSG127	Cardiac Procedures I	4	PRE: DMSG109	
			DMSG125	Sectional Anatomy for Medical Imagers	1	PRE: BIOS204; PRE or CO: BIOS254
	<input type="checkbox"/>	DMSG175	Cardiac Clinical Education II (2nd accel)	1	PRE: DMSG121	
		Total Semester Credits:		16		
Summer	<input type="checkbox"/>	DMSG225	Cardiac Clinical Education III	3	PRE: DMSG175	
	<input type="checkbox"/>	DMSG251	Cardiac Pathophysiology II	3	PRE: DMSG119	
	<input type="checkbox"/>		Elective	3		
			Total Semester Credits:		9	

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: Academic catalog link (and QR code) 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**

	complete	Course #	Course Title	Credits	Pre-requisites / Co-requisites
Fall	<input type="checkbox"/>	CMTH102	Introduction to Communication	3	
	<input type="checkbox"/>	ENGL101	English I	3	PRE: English Placement Policy
	<input type="checkbox"/>	DMSG129	IV Insertion Techniques	1	PRE: BIOS254
	<input type="checkbox"/>	DMSG155	Acoustic Physics and Instrumentation II	2	PRE: DMSG105
	<input type="checkbox"/>	DMSG257	Cardiac Clinical Education IV	3	PRE: DMSG225
	<input type="checkbox"/>	DMSG253	Cardiac Procedures II	4	PRE: DMSG127
			Total Semester Credits:	16	
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	
	<input type="checkbox"/>	DMSG245	Cardiac Clinical Education V	4	PRE: DMSG235
	<input type="checkbox"/>	DMSG255G	Echocardiography Seminar and Capstone Project	2	PRE: DMSG253
			Total Semester Credits:	15	
			Total Degree Credits	77	

General Education Requirements		
<input type="checkbox"/>	ENGL151L	Diversity
<input type="checkbox"/>	DMSG255G	Writing Intensive