



Diagnostic Medical Sonography, Associate in Applied Science (2022-23 Catalog)

Abdomen Extended/Vascular Track

Developmental Education Courses (if required)				
<input type="checkbox"/>	ACLS050	Introduction to Academic Literacy	<input type="checkbox"/>	MATH020 Pre-Algebra
<input type="checkbox"/>	ENGL027	Writing Skills Workshop	<input type="checkbox"/>	MATH022 Elementary Algebra
<input type="checkbox"/>			<input type="checkbox"/>	MATH026 Intermediate Algebra
Diagnostic Medical Sonography Program Prerequisites				
<input type="checkbox"/>	Completion of high school diploma or GED			
<input type="checkbox"/>	One year of HS Biology w/ lab with a grade of B or better or BIOS115 Essentials of Biology			
<input type="checkbox"/>	Two units of algebra with a C or better or MATH022 and MATH026 with a C or better			
<input type="checkbox"/>	Admissions Change of Major Form			
<input type="checkbox"/>	Transcripts (HS, college-attended/enrolled)			
<input type="checkbox"/>	Career Assessment Form			
<input type="checkbox"/>	Minimum GPA of 3.0			
Competitive applicants will be interviewed by the program's admission committee				
After Acceptance				
<input type="checkbox"/>	Negative criminal background & child abuse checks (or clearance for positive results) are required prior to program start			
<input type="checkbox"/>	Negative drug screening, immunizations and physical exam also required			
<input type="checkbox"/>	BLS (Basic Life Support for Healthcare Providers) certification & health insurance coverage must remain current throughout length of the program			

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

Courses are listed in preferred order of completion
Plans can be modified to fit student needs by adding more semesters

Choose your courses with your Advisor.

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
- The general education courses that apply to the program

Diagnostic Medical Sonography is a fall-start program. Students may apply to the clinical program starting October 1. Applications must be completed by March 15. Students will not be able to apply to the clinical program after March 15.

After March 15, students who wish to take general education courses toward the Diagnostic Medical Sonography degree may apply to the Health Sciences program of study.

	complete	Course #	Course Title	Credits	Gen Ed	Pre-requisites / Co-requisites
Fall	<input type="checkbox"/>	COLS101	College Success	1		
	<input type="checkbox"/>	BIOS204	Human Anatomy and Physiology I	4	Science	PRE: One year of 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	QL	PRE: MATH026 or Math Placement
			Total Semester Credits:	18		
Spring	<input type="checkbox"/>	BIOS254	Human Anatomy & Physiology II	4	Science	PRE: BIOS204 with a C or better
	<input type="checkbox"/>	DMSG105	Acoustics Physics and Instrumentation I	3		PRE: MATH140
	<input type="checkbox"/>	DMSG110	Abdominal Sonography-Anatomy, Physiology, Imaging & Critique I	4		PRE: BIOS204 PRE or CO: BIOS254
	<input type="checkbox"/>	DMSG125	Sectional Anatomy for Medical Imagers	1		PRE: BIOS204 PRE or CO: BIOS254
	<input type="checkbox"/>	DMSG237	Vascular Technology- Anatomy, Physiology, Imaging, & Critique II	4		PRE: DMSG106 PRE or CO: BIOS254
	<input type="checkbox"/>	DMSG124	Clinical Education I	2		PRE: DMSG104
			Total Semester Credits:	18		

(semesters continue on page 2)

	complete	Course #	Course Title	Credits	Pre-requisites / Co-requisites
Summer	<input type="checkbox"/>	DMSG174	Clinical Education II	2	PRE:DMSG124
	<input type="checkbox"/>	ENGL101	English I	3	PRE: English Placement Policy
	<input type="checkbox"/>		Elective	3	
			Total Semester Credits:	8	
Fall	<input type="checkbox"/>	CMTH102	Introduction to Communication	3	
	<input type="checkbox"/>	DMSG155	Acoustic Physics and Instrumentation II	2	PRE: DMSG105
	<input type="checkbox"/>	DMSG160	Abdominal Sonography – Anatomy, Physiology, Imaging, & Critique II	4	PRE:DMSG110
	<input type="checkbox"/>	DMSG107	Principles of Cardiovascular Technology	2	Pre: DMSG106
		DMSG224	Clinical Education III	2	PRE: DMSG174
	<input type="checkbox"/>	DMSG 241	Vascular Pathophysiology	3	Pre: DMSG237
			Total Semester Credits:	16	
Spring	<input type="checkbox"/>	DMSG239	Vascular Ultrasound Special Topics	3	PRE: DMSG237
	<input type="checkbox"/>	DMSG215G	Small Parts and Special Topics	2	PRE: ENGL101
	<input type="checkbox"/>	DMSG234	Clinical Education IV	3	PRE: DMSG224
	<input type="checkbox"/>	ENGL151L	English II (Literature) (D)	3	PRE: ENGL101
		PSYC103	Introduction to Psychology	3	PRE: Reading/Writing competency for ENGL101
	<input type="checkbox"/>		SIT General Education Elective	3	
			Total Semester Credits:	17	
Summer	<input type="checkbox"/>	DMSG 244	Clinical Education V	3	PRE:DMSG234
			Total Semester Credits:	3	
		Total Degree Credits	80		

General Education Requirements		
<input type="checkbox"/>	ENGL151L	Diversity
<input type="checkbox"/>	DMSG215G	Writing Intensive

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

Societies & Institutions Over Time (SIT)

ARCH 155 Architectural History II 1870-Present (AAS ONLY)
CMTH 221 History of Broadcasting
GEOG 101 World Geography
GEOG 151 Geography of the U.S. and Canada (G-WI)
GLBL 130 Intro to Global Studies
GLBL 160 Field Experience & Acad Research in GS
GLBL 230 Global Studies Capstone
HIST 103 Ancient and Medieval History
HIST 113 American History I (G-WI)
HIST 121 The Black Experience (G-WI)
HIST 123 African Civilization
HIST 140 Modern Chinese History
HIST 153 Found of Mod Euro History, 1300-1815 (G-WI)
HIST 163 American History II
HIST 165 The American Experience of Warfare (G-WI)
HIST 166 Civil War and Reconstruction (G-WI)
HIST 168 History of the Middle East (G-WI)
HIST 169G History of Latinos in the US
HIST 173 Mod European History, 1815 to Present (G-WI)
HIST 183 Modern American History 1945-Present
HIST 210 History of Mod Science, 1859 to Present
HIST 211 History of Pennsylvania
INTS 201 Implementing Sustainable Energy System...
INTS 202 The Architecture of the City: Classic to Contemp.
POLS 101 Introduction to Political Science
POLS 105 American Constitutional Law (G-WI)
POLS 110 American National Government (G-WI)
POLS 150 Peace Studies & Conflict Resolution (Study Abroad)
POLS 170 Politics of Modern Turkey (Study Abroad)
POLS 202 International Relations
POLS 205 Women and Politics (G-WI)
POLS 251 State and Local Government (G-WI)
SOCA 102 Cultural Anthropology (G-WI)
SOCA 105 American Ethnicity
SOCA 160 Issues in Contemp.Genocide & Mass Violence