



2020 - 2021
Cardiac Sonography
Associate of Applied Science Degree
Academic Plan

Fall Year 1		Courses	Prerequisite(s)	Credit Hours	
BIO 1210	Human Anatomy and Physiology I		Co-requisite(s): BIO 1211	3	15
BIO 1211	Human Anatomy and Physiology I Lab		Co-requisite(s): BIO 1210	1	
COM 1010	Composition and Critical Thinking I		Co-requisite: MTH 1010	3	
HSC 1010	Introduction to Health Professions			2	
MTH 1010	Quantitative Literacy		Co-requisite: COM 1010	3	
ELECTIVE	General Education Elective			3	
Spring Year 1		Courses	Prerequisite(s)	Credit Hours	
BIO 1220	Human Anatomy and Physiology II		BIO 1210, BIO 1211; Co-requisite(s): BIO 1221	3	13
BIO 1221	Human Anatomy and Physiology II Lab		BIO 1210, BIO 1211; Co-requisite(s): BIO 1220	1	
BIO 2150	Pathophysiology		Co-requisite(s): BIO 1220	3	
COM 1020	Composition and Critical Thinking II		COM 1010, MTH 1010	3	
PSY 2050	Self and Society		COM 1010, MTH 1010; Co-requisite: COM 1020	3	
Summer Year 1		Courses	Prerequisite(s)	Credit Hours	
CAS 1010A	Noninvasive Cardiology		Co-requisite: CAS 1010L	5	13
CAS 1010L	Noninvasive Cardiology Lab		Co-requisite: CAS 1010A	0	
HSC 1810	Acoustical Physics		Acceptance into the program	4	
HSC 1910	Introduction to Sonography and Patient Care		Acceptance into the program	3	
PHY 1210	Physics Concepts			1	
Fall Year 2		Courses	Prerequisite(s)	Credit Hours	
CAS 2010A	Cross Sectional Sonography			5	13
CAS 2050B	Clinical Affiliation I		Co-requisite: CAS 2050L, CAS 2110A	4	
CAS 2050L	Clinical Affiliation I Lab		Co-requisite: CAS 2050B	0	
CAS 2110A	Cardiac Valve Disease in Sonography		Co-requisite: CAS 2050B	4	
Spring Year 2		Courses	Prerequisite(s)	Credit Hours	
CAS 2210A	Cardiac Ventricular Disease in Sonography		CAS 2110A; Co-requisite: CAS 2310, CAS 2310L, CAS 2610	4	13
CAS 2310	Clinical Affiliation II		CAS 2050B; Co-requisite: CAS 2210, CAS 2310L, CAS 2610	6	
CAS 2310L	Clinical Affiliation II Lab		CAS 2050L; Co-requisite: CAS 2210, CAS 2310, CAS 2610	0	
CAS 2610	Advanced Disease and Technologies		Co-requisite: CAS 2210, CAS 2310, CAS 2310L	3	
Summer Year 2		Courses	Prerequisite(s)	Credit Hours	
CAS 2410	Clinical Affiliation III		CAS 2310, CAS 2310L; Co-requisite: CAS 2410L	3	6
CAS 2410L	Clinical Affiliation III Lab		CAS 2310, CAS 2310L; Co-requisite: CAS 2410	0	
CAS 2910A	Cardiac Sonography Board Review			3	
Program Total				73	