



**2021 - 2022**  
**Cardiac Sonography**  
**Associate of Applied Science Degree**  
**Academic Plan**

<b>Fall Year 1</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credit Hours</b>	
BIO 1210	Human Anatomy and Physiology I		Co-requisite(s): BIO 1211	3	<b>15</b>
BIO 1211	Human Anatomy and Physiology I Lab		Co-requisite(s): BIO 1210	1	
COM 1010	Composition and Critical Thinking I			3	
HSC 1010	Introduction to Health Professions			2	
MTH 1010	Quantitative Literacy			3	
ELECTIVE	General Education Elective			3	
<b>Spring Year 1</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credit Hours</b>	
BIO 1220	Human Anatomy and Physiology II		BIO 1210, BIO 1211; Co-requisite(s): BIO 1221	3	<b>13</b>
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	
<b>Summer Year 1</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credit Hours</b>	
CAS 1010A	Noninvasive Cardiology		Co-requisite: CAS 1010L	5	<b>13</b>
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	
<b>Fall Year 2</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credit Hours</b>	
CAS 2010A	Cross Sectional Sonography			5	<b>13</b>
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	
<b>Spring Year 2</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credit Hours</b>	
CAS 2210A	Cardiac Ventricular Disease in Sonography		CAS 2110A; Co-requisite: CAS 2310, CAS 2310L, CAS 2610	4	<b>13</b>
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	
<b>Summer Year 2</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credit Hours</b>	
CAS 2410	Clinical Affiliation III		CAS 2310, CAS 2310L; Co-requisite: CAS 2410L	3	<b>6</b>
CAS 2410L	Clinical Affiliation III Lab		CAS 2310, CAS 2310L; Co-requisite: CAS 2410	0	
CAS 2910A	Cardiac Sonography Board Review			3	
<b>Program Total</b>				<b>73</b>	