



**2024 – 2025**  
**Cardiac Sonography**  
**Associate of Applied Science Degree**  
**Academic Plan**

<b>Fall Year 1</b>	<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credits</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	Varies	3	
<b>Spring Year 1</b>	<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credits</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>Credits</b>	
CAS 1050	Introduction to Cardiac Sonography	Acceptance into the program Co-requisite: CAS 1050L	6	<b>12</b>
CAS 1050L	Introduction to Cardiac Sonography Lab	Acceptance into the program Co-requisite: CAS 1050	0	
DMS 1510	Acoustical Physics I	Acceptance into the program	3	
HSC 1910	Introduction to Sonography and Patient Care	Acceptance into the program	3	
<b>Fall Year 2</b>	<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credits</b>	
CAS2150	Fundamentals of Cardiac Sonography	CAS1050, CAS1050L Co-requisite: CAS 2150P, CAS 2150	13	<b>13</b>
CAS2150P	Fundamentals of Cardiac Sonography Clinical	CAS1050, CAS1050L Co-requisite: CAS 2150P, CAS 2150	0	
CAS2150L	Fundamentals of Cardiac Sonography Lab	CAS1050, CAS1050L Co-requisite: CAS 2150P, CAS 2150	0	

<b>Spring Year 2</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credits</b>	
CAS 2250	Advanced Cardiac Sonography	CAS 2150, CAS2150L, CAS2150P Co-requisite: CAS 2250L, CAS 2250P	13	<b>15</b>	
CAS 2250P	Advanced Cardiac Sonography Clinical	CAS 2150, CAS2150P, CAS2150L Co-requisite: CAS 2250L, CAS 2250P	0		
CAS 2250L	Advanced Cardiac Sonography Lab	CAS 2150, CAS2150P, CAS2150L Co-requisite: CAS 2250L, CAS 2250P	0		
DMS 1610	Acoustical Physics II	DMS 1510	2		
<b>Summer Year 2</b>		<b>Courses</b>	<b>Prerequisite(s)</b>	<b>Credits</b>	
CAS 2950	Cardiac Sonography Capstone	CAS 2250, CAS 2250L, CAS2250P Co-requisite: CAS 2950P	5	<b>5</b>	
CAS 2950P	Cardiac Sonography Capstone Clinical	CAS 2250, CAS 2250L, CAS2250P Co-requisite: CAS 2950	0		
<b>Program Total</b>				<b>73</b>	