

**Associate of Applied Science Diagnostic Medical Sonography
Master Curriculum Completion Plan**

Course Number	Course Name	Credit Hours
Total Credits Semester 1		17
BIO 110	Anatomy & Physiology	4
MATH 220	College Algebra	3
ENG 110	Communication	3
DMS 212	Medical and Sonographic Terminology	1
PHY 216	General Physics	3
PC 200	Sonography Medico Legal Principles & Patient Care	3
Total Credits Semester 2		14
PHY 220	Sonographic Physics and Instrumentation	3
PSYC 110	Physiological Psychology	3
DMS 317	Master Scanning Lab 1	4
DMS 213	Obstetrics and Pelvic Sonography	4
Total Credits Semester 3		15
DMS 319	Clinical Sonography Rotation 1	3
DMS 214	Small Parts, Breast and Vasculature Sonography	4
DMS 318	Master Scanning Lab 11	4
DMS 216	Abdominal Sonography	4
Total Credits Semester 4		14
BIO 111	Pathophysiology	4
DMS 315	Sonographic Pathology	4
DMS 320	Clinical Sonography Rotation 11	6
Total Credits Semester 5		12
DMS 321	Clinical Sonography Rotation 111	12
Total Credits		72

**Echocardiography Technician
Master Curriculum**

Course Number	Course Names	Credit Hours
MT 212	Medical & Sonographic Terminology	1
PHY 216	General Physics	3
MATH 110	Mathematics	2
BIO 110	Anatomy & Physiology	4
PC 100	Medical Legal Issues & Patient Care	2.5
ENG 111	English Composition -Communication	2.0
SEMESTER 1 CREDITS		14.5

Course Number	Course Names	Credit Hours
ECHO 225	Principles of Echocardiography	4
ECHO 224	Intermediate Echo Lab Practicum	3
EKG 100	EKG	4
PHY 211	Sonographic Physics & Instrumentation	3.0
PH 101	Pharmacology	3
SEMESTER 2 CREDITS		17.0

Course Number	Course Names	Credit Hours
ECHO 226	Advanced Principles of Cardiac Evaluation	4
ECHO 227	Advanced Adult Echocardiography Lab Practicum	3
BIO 111	Pathophysiology	4
ECHO228	Cardiac Pathology 1	4
ECHO 230	Echocardiography Clinical 1	1
SEMESTER 3 CREDITS		16

Course Number	Course Names	Credit Hours
ECHO 229	Cardiac Pathology 11	3
ECHO 231	Echocardiography Clinical 11	9
SEMESTER 4 CREDITS		12

Course Number	Course Names	Credit Hours
ECHO-INTRO TO VAS 200	Introduction to Vascular Ultrasound	1.5
ECHO-INTRO TO VAS 201	Vascular Ultrasound Lab Practicum	2
ECHO 232	Echocardiography Clinical 111	10
SEMESTER 5 CREDITS		13.5
TOTAL CREDITS		73

**ASSOCIATES OF APPLIED SCIENCE – VASCULAR TECHNOLOGY
Master Curriculum**

Course Number	Course Names	Credit Hours
ENG 111	English – Communication	3
MATH 110	College Algebra	3
BIO 110	Anatomy & Physiology	4
PSYC 110	Physiological Psychology	3
PHY 216	General Physics	3
SEMESTER 1 CREDITS		16

Course Number	Course Names	Credit Hours
PC 200	Sonography Medico Legal Principles & Patient Care	3
PH 101	Sonographic Physics & Instrumentation	3
BIO 111	Pathophysiology	4
MT 212	Medical and Sonographic Terminology	1
VASC 214	Vascular Anatomy, Physiology & Hemodynamics	3
SEMESTER 2 CREDITS		14

Course Number	Course Names	Credit Hours
VASC 220	Principles of Vascular Sonography I	4
VASC 221	Principles of Vascular Sonography I Lab	5
VASC 219	Vascular Clinical Rotation I	6
SEMESTER 3 CREDITS		15

Course Number	Course Names	Credit Hours
VASC 222	Principles of Vascular Sonography II	4
VASC 223	Principles of Vascular Sonography II Lab	5
VASC 225	Vascular Clinical Rotation II	7
SEMESTER 4 CREDITS		16

Course Number	Course Names	Credit Hours
VASC 218	Vascular Pathology	4
VASC 226	Vascular Clinical Rotation III	7
SEMESTER 5 CREDITS		11
TOTAL CREDITS		72