

# Diagnostic Medical Sonography

## Vascular Technology

### Associate in Applied Science



A vascular sonographer is a highly skilled allied health professional who performs arterial and venous diagnostic procedures using high frequency sound waves. A vascular sonographer operates a variety of complex diagnostic and monitoring equipment, as well as numerous ancillary devices.

The vascular sonographer performs carotid duplex scanning, lower and upper Doppler examinations, venous duplex scans, evaluation of test results, monitoring of physiological states of the patient, conducting patient education, and maintaining accurate records and protocols during and after procedures.

The vascular technology program is a two-year program leading to an associate in applied science degree. Prerequisite work must be completed prior to acceptance to the program. The curriculum consists of integrated educational and clinical course work with a minimum of 900 supervised clinical hours with an approved clinical education affiliate. The program is designed to prepare the student for employment in the field of vascular sonography. Vascular positions are located within hospitals, medical clinics, and other diagnostic imaging health institutions. Upon successful completion, students are eligible to write the American Registry of Diagnostic Medical Sonography exams and, if successful, use the credentials RVT (Registered Vascular Technologist).

Applicants who have earned credentials in other allied health disciplines (e.g., RT, RDMS, RDCS, RN) may have prerequisite work waived and receive higher admission priority.

**Applications are processed according to the following timeline:**

- Applications must be received by the program director no later than January 31.
- Questionnaires should be sent to applicants by mid February.
- Questionnaires must be returned no later than the first week in March.
- DMS Admission Committee confers third week of March.
- Applicants notified by mail no later than April 15 for Spring semester start.

*BIO 155-Human Anatomy and Physiology, HOC 130-Intro to Health Occupations and DMS 104-Intro to Sonographic Instrumentation must be completed with a grade of 3.0 or higher prior to the admission process of Winter semester.*

Minimum credits: .....	68
Minimum cumulative GPA: .....	2.0
Minimum grade: .....	3.0 in BIO 155, HOC 130 and DMS 104
Minimum JCC credits: .....	12
MACRAO agreement: .....	No

**GENERAL EDUCATION REQUIREMENTS – (18 credits)**

**ENGLISH – (3 credits)**

ENG 131 Writing Experience .....	3
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**MATHEMATICS – (3-4 credits)**

MTH 131 Intermediate Algebra or higher level	
mathematics course .....	3-4

**SCIENCE – (5 credits)**

BIO 155 Human Anatomy & Physiology .....	5
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**SOCIAL SCIENCE – (3-4 credits)**

PSY 140 Introduction to Psychology .....	3-4
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**HUMANITIES – (3 credits)**

**Choose one of the following:**

ART 111 Art History: Prehistoric - 1400 .....	3
ART 112 Art History: Renaissance - Present .....	3
ENG 210 Introduction to Film .....	3
ENG 236 Women in Changing Society .....	3
ENG 246 Short Story & Novel .....	3
ENG 247 Poetry and Drama .....	3
ENG 249 African American Literature .....	3
ENG 252 Shakespeare .....	3
ENG 254 Children's Literature .....	3
ENG 255 American Literature 19th Century .....	3
ENG 256 American Literature 20th Century .....	3
ENG 257 World Literature I .....	3
HUM 131 Cultural Connections .....	3
MUS 130 Survey of Non-Western Music .....	3
MUS 131 Understanding Music .....	3
MUS 133 Music Education .....	3
MUS 151 Music I .....	4
MUS 152 Music Theory II .....	4
PHL 231 Introduction to Philosophy .....	3
PHL 232 Logic .....	3
THR 116 Introduction to Theatre .....	3



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Health Sciences Career Pathway

HEALTH/PHYSICAL FITNESS — (1 credit)

Choose one of the following:

HPF 160 Wellness .1
HPF 168 Weight Training & Conditioning .2
HPF 221 Jazz Technique .3
HPF 277 Stress Management .2
HPF 278 Stress Management for Parents .2

ALLIED HEALTH CORE — (18 credits)

DMS 100 Introduction to Diagnostic Imaging .3
DMS 104 Intro to Sonographic Instrumentation .3
HOC 130 Introduction to Health Occupations .3
ITE 101 Information Technology Education .3
MOA 120 Medical Terminology .3
SPH 231 Communication Fundamentals .3

VASCULAR CORE — (32 credits)

(2.0 required for each course)

DMS 107 Sonographic Orientation-Vascular .3
DMS 151 Peripheral Arterial I .3
DMS 152 Peripheral Arterial II .3
DMS 155 Peripheral Venous .3
DMS 161 Vascular Clinical I (300 hours) .4
DMS 206 Sonographic Instrumentation .4
DMS 251 Cerebrovascular I .3
DMS 253 Cerebrovascular II .1
DMS 265 Vascular Clinical II (300 hours) .4
DMS 266 Vascular Clinical III (300 hours) .4