

Print Date: 6/3/15  
**Course Objectives/Course Outline**  
**Spokane Community College**

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**Course Title:** Advanced Vascular Techniques

**Prefix and Course Number:** VASC 252

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**Course Description:**

This course uses the fundamentals presented in the first year of vascular technology to evaluate acquired vascular disease states. The incorporation of all forms of vascular testing performance and interpretation of ultrasonic, Doppler and plethysmographic examination is presented. Related physician lectures and laboratory experiences are provided.

**Course Learning Outcomes:**

**By the end of this course, a student should be able to:**

- Analyze and interpret ultrasound and Doppler recordings obtained on patients with acquired vascular disease.
- Perform ultrasonic and duplex Doppler examinations following standard protocol for the various vascular procedures.
- Explain the pathophysiology and resulting effects on the vascular procedures for each of the vascular systems discussed.
- Alter the examination to optimize the diagnostic value of each procedure to the abnormality present.
- Perform qualitative and quantitative evaluation of the various procedures performed.
- Correlate the vascular examination with other cardiovascular diagnostic procedures.

**Course Outline:**

- I. Review of Basics
- II. Cerebral Vessels
- III. Extremity Arteries
- IV. Extremity Veins
- V. Abdomen and Pelvis