

Northern Virginia Community College 2008-2009 Catalog

SCIENCE:

Semiconductor Laboratory Processes Technician (Operator)

Career Studies Certificate

MA

Purpose: This career studies certificate is designed for those interested in training for entry-level positions as operators in the semiconductor or other high-tech fabrication/research facilities.

Recommended Preparation: Satisfactory completion of the following high school units as a minimum: 4 units of English, 3 units of mathematics (including algebra), 2-3 units of a laboratory science, and 2 units of social sciences.

One Year		Credits
1st Semester		
ETR	195 Intro. to DC and AC Fundamentals	3
ITE	115 Intro. to Computer Applications & Concepts	3
MTH	103 Technical Math I	3
PHY	170 Intro. to Microelectronics Processes	3
SDV	106 Preparation for Employment	<u>1</u>
Total		13
2nd Semester		
CHM	101 General Chemistry I	4
¹ ENG	115 Technical Writing	3
MTH	104 Technical Math II	3
PHY	101 General Physics I	<u>4</u>
Total		14

Total credits for the Semiconductor Laboratory Processes Technician (Operator) Career Studies Certificate = 27.

¹ENG 111 College Composition I will satisfy this requirement.