

Environmental, Health & Safety 150507 EHS Technician Short-Term Certificate

Available: Shoals Campus

Advisors: S. McGouyrk (5246) stevem@nwscce.edu
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This short-term certificate is designed to prepare students for employment as Environmental, Health and Safety Technicians. Also, see the A.S. & A.A.S. Degree Programs.

**Entering students are required to complete ORI 101.
Transfer students are exempt from this requirement.**

	Semester		Hours
	Theory	Lab	
CHM 104 Introduction to Inorganic Chemistry	3	3	4
EVT 101 Introduction to Environmental Science and Technology or PHS 120 Environmental Science	3	2	4
EVT 105 Introduction to Occupational Safety and Health	3	0	3
EVT 107 Environmental Health and Safety Assessments and Reporting	3	0	3
EVT 110 Introduction to Environmental Laws and Regulations	3	0	3
EVT 250 Hazardous Waste Operations and Emergency Response	4	0	4
EVT 260 Introduction to Industrial Hygiene	3	0	3
Total Semester Credit Hours			24

**Environmental Health and Safety:
Associate in Science Degree - page 51
Associate in Applied Science Degree - page 71**

Fire Science/Fire Services 430202 FSC Management Short-Term Certificate

Available: Shoals Campus

Advisors: S. McGouyrk (5246) stevem@nwscce.edu

This short-term certificate is designed to prepare students for employment in fire science or related business fields. Also, see the A.S. Degree Program.

**Entering students are required to complete ORI 101.
Transfer students are exempt from this requirement.**

	Semester		Hours
	Theory	Lab	
FSC 101 Introduction to Fire Science	3	0	3
FSC 200 Fire Combat Tactics and Strategy	3	0	3
FSC 210 Building Construction for the Fire Service	3	0	3
FSC 240 Fire Cause Determination	3	0	3
FSC 292 Elements of Supervision/ Fire Service Supervision	3	0	3
Total Semester Credit Hours			15

**Fire Science/Fire Service:
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Industrial Systems Technology 470303 INS Short-Term Certificate

Available: Shoals Campus

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The Industrial Mechanics program is designated to give students entry-level skills to be employed in the field of plant maintenance. In today's industry plant maintenance requires multi-skilled workers. These skills include: Programming PLC, working on manual motor controls, installation and maintenance of hydraulics system, and working on and maintaining various types of pumps as well as all mechanical drives. The classes are both theory and lab-based in order to produce a well-rounded mechanic.

**Entering students are required to complete ORT 100.
Transfer students are exempt from this requirement.**

	Semester		Hours
	Theory	Lab	
INT 106 Elements of Industrial Mechanics or MSP 136 Machine Repair	1	6	3
INT 117 Principles of Industrial Mechanics or MSP 135 Millwright	2	6	4
INT 134 Principles of Industrial Maintenance Welding and Metal Cutting Techniques or WDT 157 Consumable Welding Processes	3	0	3
INT 102 Industrial Maintenance Cutting/Welding or WDT 158 Consumable Welding Processes	0	3	3
MTH 103 Intro to Technical Math	3	0	3
INT 118 Fundamentals of Industrial Hydraulics and Pneumatics	1	2	3
INT 121 Industrial Hydraulics Troubleshooting	1	2	3
INT 127 Principles of Industrial Pumps and Piping Systems	2	1	3
INT 161 Blueprint Reading for Industrial Technicians	3	0	3
Total Semester Credit Hours			28

**Industrial Systems Technology:
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