Pre-Industrial Hygiene 240102 IH
Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
Advisor: C. Sockwell (5378) sockwell@nwscc.edu
Mike Murphy (6246) docm@nwscc.edu

This program is designed for students who plan to transfer to UNA to complete requirements for a degree.

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

		Semester Hours
Area I:	Written Composition	6
	***ENG 101 and 102	
Area II:	Humanities and Fine Arts	12
	*Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262	6
	SPH 107	3
	Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language*	3
Area III:	Natural Sciences and Mathematics	11
	Science: Choose two core courses from among BIO 103; CHM 111, 112	8
	Math: MTH 112 (higher is preferred) MTH 113, 125, 126	3
Area IV:	History, Social and Behavioral Science	12
	*History: HIS 101 and 102 or HIS 201 and 202	6
	Social and Behavioral Sciences: Choose two courses from among ECO 231, ECO 232, GEO 100, POL 211, PSY 200, PSY 210, SOC 200, SOC 210	6
Area V:	Pre-Professional, Pre-Major, and Elective Courses	19-23
	CIS 146	3
	Choose from CHM 221, CHM 222, BIO 220	8
	Choose two from MTH 125, MTH 126, MTH 265	7-8
	General Electives	1-4
	PED can be used as a general elective.	

Total Semester Transfer Hours 60-64

*See note 2 on page 44.

***Keyboarding skills are essential for the successful completion of English 101.

Industrial Maintenance 470303 INT
Associate in Applied Science Degree

Available: Shoals Campus
Advisors: J. Bonner (5244) ndt1@nwscc.edu
B. Hall (5251) bhall@nwscc.edu

This program is designed to prepare persons to enter and progress in employment as industrial maintenance technicians. The program is presented at a high technical level, involving the applications of mathematics, science, and communication skills, as well as hands-on training in electrical, process control, mechanical, and fluid power technologies.

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

General Education Requirements	Semester Hours
**ENG 101 English Composition I	3
ENG 130 Technical Report Writing	3
HIS 202 United States History II	3
MTH 103 Introduction to Technical Mathematics	3
MTH 118 Technical Mathematics	3
Science Elective	3
Fine Arts or Humanities Elective	3
Total General Education Requirements	**21**

Major Requirements	
INT 105 Introduction to Process Technology	3
INT 112 Industry Codes and Safety	3
INT 117 Principles of Industrial Mechanics	3
INT 118 Fund. of Industrial Hydraulics and Pneumatics	3
INT 120 Concepts of Direct Current	5
INT 122 Concepts of Alternating Current	5
INT 126 Preventive Maintenance	3
INT 127 Principles of Industrial Pumps and Piping Systems	3
INT 128 Principles of Industrial Environmental Controls	3
INT 206 Industrial Motors I	3
INT 211 Industrial Motors II	3
INT 212 Industrial Motor Control I	3
INT 213 Industrial Motor Control II	3
INT 215 Troubleshooting Techniques	3
INT 232 Manufacturing Plant Utilities	3
INT 251 Introduction to Programmable Logic Control	3
INT 284 Applied Principles of Programmable Controllers	3
Total Major Requirements	**55**

Total Semester Credit Hours 76

*Computer competency skills are embedded within one or more courses required in this curriculum.

**Keyboarding skills are essential for the successful completion of English 101.