

Pre-Industrial Hygiene 240102 IH Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
 Advisor: C. Sockwell (5378) sockwell@nwscce.edu
 Mike Murphy (6246) docm@nwscce.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@nwscce.edu
 B. Hall (5251) bhall@nwscce.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.