

Pre-Dentistry 240102 DEN
Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
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This program is designed for students who plan to transfer to an institution with various types of professional programs to complete requirements for a degree. All these curricula have the same basic requirements.

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, 104; CHM 111, 112; PHY 201, 202, 213, 214 8 Math: Choose one from MTH 112 (higher is preferred) MTH 113, 120, 125, 126, 227, 237, 238 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 or demonstrated equivalent computer competency skills. Elective courses appropriate to individual student and transfer institutions. PED can be used as a general elective. Choose from BIO 103, BIO 104, BIO 220, CHM 111, CHM 112, CHM 221, CHM 222, PHY 201, PHY 202, PHY 213, PHY 214, MTH 125, MTH 265	

Total Semester Transfer Hours 60-64

*See note 2 on page 44.

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

Design Engineering 151301 D&D
Technology
Associate in Applied Science Degree

Available: Shoals Campus
 Advisors: A. Rice (5257) rice@nwsc.edu
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The design engineering program is designed to prepare students for the manufacturing and construction industry. Today, the drafter is a highly skilled technician with an ability to visualize objects three dimensionally before they are physically created. By using traditional manual tools or computer assisted methods, the drafter creates drawings that describe the shape and size of the product or project.

Drafting instruction at the College is offered in fundamental, intermediate, and advanced levels of drafting and design. Advanced courses train students for the development of drawings in mechanical and architectural design. Related studies prepare the student academically in mathematics, physics, psychology, and English.

A graduate of the program will generally be qualified to enter the industry as an entry level draftsman, detailer, or apprentice designer. Graduates are encouraged to continue education toward a professional degree in engineering or architecture.

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

	Semester		
General Education Requirements	Theory	Lab	Hours
***ENG 101 English Composition I	3	0	3
*ENG 130 Technical Report Writing	3	0	3
MTH 103 Intro to Technical Mathematics	3	0	3
MTH 118 Technical Mathematics	3	0	3
PHY 115 Technical Physics	3	2	4
PSY 200 General Psychology	3	0	3
Humanities or Fine Arts Elective	3	0	3
Total General Education Requirements	22		

Major Requirements

DDT 104 Basic Computer Aided Drafting and Design	1	4	3
DDT 111 Fundamentals of Drafting and Design	1	4	3
DDT 117 Manufacturing Processes	1	4	3
DDT 122 Advanced Technical Drawing	1	4	3
DDT 124 Basic Technical Drawing	1	4	3
DDT 127 Intermediate Computer Aided Drafting and Design	1	4	3
DDT 128 Intermediate Technical Drawing	1	4	3
DDT 131 Machine Drafting Basics	1	4	3
DDT 132 Architectural Drafting	1	4	3
DDT 134 Descriptive Geometry	1	4	3
DDT 181 Special Topics in Drafting and Design Technology	3	0	3
DDT 211 Intermediate Machine Drafting	1	4	3

