

**BACHELOR OF SCIENCE—Occupational Technical Studies
Industrial Technology Emphasis
OLD DOMINION UNIVERSITY
2011-2012 Catalog**

NAME: _____
 UIN: _____
 PHONE: _____

Entrance Writing Sample Placement Test: _____

This 120-hour program is designed to prepare students to enter industry as supervisors, technical managers or trainers. This major is also available through the University's distance learning TELETECHNET system. Additional industrial technology technical emphasis tracks are available for TELETECHNET and transfer students. On approval of the program leaders, select occupational and technical studies content areas from the community college can satisfy the 30 hours of technical content for this emphasis. Requirements are as follows:

LOWER DIVISION GENERAL EDUCATION

<u>Written Communication</u>	
ENGL 110C	3
ENGL 211C, 221C, or 231C	3
<u>Oral Communication</u>	
COMM 101R, 103R, or 112R	3
<u>Mathematics</u> (3 credits General Education; 3 credits departmental)	
MATH 102M (Required)	3
STAT 130M (Required)	3
<u>Language and Culture</u>	0-6
<u>Information Literacy and Research</u> (STEM 251G required)	
	3
B. Ways of Knowing	
<u>Human Creativity</u>	
ARTH 121A, ARTS 122A, MUSC 264A, DANC 185A, THEA 241A, COMM/THEA 270A	3
<u>Interpreting the Past</u>	
HIST 100H, 101H, 102H, 103H, 104H, or 105H	3
<u>Literature</u>	
ENGL 112L, 114L, or FLET 100L	3
<u>Philosophy & Ethics</u>	
PHIL 110P, 120P, 140P, 230E, 250E, 303E, 344E, 345E, 441E, or 442E	3
<u>The Nature of Science</u>	
PHYS 101N	4
PHYS 102N	4
<u>Human Behavior</u>	
(PSYC 201S required)	3
<u>Impact of Technology</u> (Satisfied by STEM 370T in the major)	

Technical Content-General Emphasis (30 hours)

STEM 112 Communication Design	3
STEM 221 Industrial Materials	3
STEM 231 Materials and Processes Tech	3
STEM 241 Energy Sys: Basic Electricity	3
STEM 242 Technological Systems Control	3
STEM 321 Manufacturing Tech	3
STEM 323 Production Tech	3
STEM 343 Energy and Power Tech	3
STEM 351 Communication Tech	3
STEM 382 Industrial Design	3

Supervision (18 hours)

STEM 302 Workforce Supervision	3
STEM 370T Tech & Society	3
SEPS 402 Instructional Methods In Occupational Studies	3
SEPS 400 Instructional System Develop	3
PSYC 303 Industrial/Organizational Psych	3
HMSV 343 Human Services Methods	3

Business Cognate (21 Hours)

ACCT 201 Prin of Accounting	3
MGMT 325 Contemporary Org Mgmt	3
MGMT 340 Human Resources Mgmt	3
MKTG 311 Mrkt Principles/Problems	3
Approved Business Electives (9 cr)	3
_____	3
_____	3
_____	3

UPPER DIVISION GENERAL EDUCATION

Option A. Approved Disciplinary Minor (a minimum of 12 hours determined by the department), or second degree or second major
 Option B. Interdisciplinary Minor (specifically 12 hours, 3 of which may be in the major)
 Option C. International Business and Regional Courses or an approved Certification Program such as teaching licensure
 Option D. Two Upper-Division Courses from outside the College of Education and not required by the major (6 hours)

Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major, 120 credit hours, passage of the Exit Examination of Writing Proficiency, and completion of Senior Assessment.