

2024- 2025 Old Dominion University Catalog

Bachelor of Science in Engineering Technology- Manufacturing Engineering Technology (BSET) (w/ VCCS Equivalencies)

Sample four year curriculum with a suggested ordering of courses. Students may re-order as needed.

** indicates not automatically waived with transferrable associates degree, C or better required for transfer.*

Courses in green can be met by the completion of an Articulated Associate of Applied Science (for a list of Articulation Agreements please visit www.odu.edu/transfer) and are met by completion of a transferrable AS degree; AS in Engineering recommended for ease of transfer.

YEAR 1 - FRESHMAN (28 CREDITS)

FALL SEMESTER (14 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ENGN 121	(EGR 121 + ITE 152)* or waived w/ A.S.
ENGL 110C (C or better required)	ENG 111 or ENGL 114*
MATH 162M (C or better required)	MTH 161, 163, or 171*
CHEM 121N/122N	CHM 111 or (CHEM 111 +112+ 113)*

SPRING SEMESTER (14 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
MATH 163 (C or better required)	MTH 162, 164, 168, or 172*
PHYS 111N	PHY 111, 121, 131, or 201*
ENGN 122	EGR 125 or 126*
ENGL 211C (C or better required)	ENG 112 or ENGL 115*

YEAR 2 - SOPHOMORE (33 CREDITS)

FALL SEMESTER (17 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
EET 120	See Below*
EET 125	See Below*
ENGT 230	EGR 110*
ENGT 200	See Below*
MATH 211(C or better required)	MTH 173, 263, 273, (261+262) or (271+272)*
COMM 101R	Transfer Equivalency Guide

SPRING SEMESTER (16 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
MFET 235	See below*
MET 200 (C or better required)	See below*
ENGT 270	ELE 234*
ENGT 286	ELE 234*
Human Behavior	Transfer Equivalency Guide
Human Creativity	Transfer Equivalency Guide

YEAR 3 - JUNIOR (30 CREDITS)

FALL SEMESTER (15 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
MET 310	EGR 245*
MFET 310	
ENGT 365	
Approved ENMA course**	
STAT 330	MTH 283*

SPRING SEMESTER (15 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
MFET 320	
MFET 330	
MFET 340	
Approved ENMA course**	
Literature	Transfer Equivalency Guide

YEAR 4 - SENIOR (30 CREDITS)

FALL SEMESTER (15 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ENGT 434	
ENMA 401**	
Approved Manufacturing Elective***	
Approved Manufacturing Elective***	
Interpreting the Past	Transfer Equivalency Guide

SPRING SEMESTER (15 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
ENGT 435W (C or better required)	
EET 405	
ENMA 480**	
Approved Manufacturing Elective***	
Approved Manufacturing Elective***	

TOTAL CREDIT HOURS: 121

This 4-year plan does not include 6 credits in Language and Culture, but this requirement may be waived; see ODU catalog for details.

The four-year plan is a suggested curriculum to complete this degree program in four years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.

The General Education Information Literacy and Research, Impact of Technology, and Philosophy and Ethics are met through the major.

****Upper-Division General Education:** Minor in Engineering Management (Built into degree program) Approved ENMA courses: ENMA 301, ENMA 302, ENMA 421, ENMA 424

***** Approved Electives:** MFET 410, 420, 430, 440, 450, 460; MET 427, 431, 485

Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major, a grade of C or better in all courses required for the major, including prerequisite courses, 120 credit hours, which must include both a minimum of 30 credit hours overall and 12 credit hours in upper-level courses in the major program from Old Dominion University, completion of ENGL 110C, ENGL 211C or 221C or 231C, and a writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.

VCCS Equivalencies Con't:

EET 120 & EET 125 both satisfied by: ETR 156, 167, 206, 207, 271, 272, 279, 280, 281, 282, or 283,

EET 120 = EGR 277

EET 125 = EGR 278

MET 200 = MEC 112, 113, 161; IND 111, 113, or 115

ENGT 200 = MEC 131; EGR 130, 135, 140, 240 or 250

MFET 235 = ELE 246, ETR 177, ETR 286, or IND 160 (must be a 3 credit course or combination of two 2-credit courses)