

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)		SPRING SEMESTER (14 credits)	
<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ENGN 121	(EGR 121 + ITE 152)* or waived w/ A.S.	MATH 163 (C or better required)	MTH 162*
ENGL 110C (C or better required)	ENG 111 or ENGL 114*	PHYS 111N	PHY 131 or 201*
MATH 162M (C or better required)	MTH 161*	ENGN 122	EGR 125, 126 or CSC 221*
CHEM 121N/122N**	CHM 111*	ENGL 211C (C or better required)	ENG 112 or ENGL 115*

YEAR 2 - SOPHOMORE (33 CREDITS)

FALL SEMESTER (17 credits)		SPRING SEMESTER (16 credits)	
<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
EET 120	See Below*	MFET 235	See below*
EET 125	See Below*	MET 200 (C or better required)	See below*
ENGT 230	See Below*	ENGT 270	See below*
ENGT 200	See Below*	ENGT 286	See below*
MATH 211 (C or better required)	MTH (MTH 261+262) or 263*	Human Behavior	Transfer Equivalency Guide
COMM 101R	Transfer Equivalency Guide	Human Creativity	Transfer Equivalency Guide

YEAR 3 - JUNIOR (30 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (15 credits)	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
MET 310	EGR 245*	MFET 320	See below*
MFET 310		MFET 330	
ENGT 365	DCC Only (MAC 134 + 253)*	MFET 340	DCC Only (MAC 256 + 254)*
Approved ENMA course**		Approved ENMA course**	
STAT 330	MTH 283*	Literature	Transfer Equivalency Guide

YEAR 4 - SENIOR (30 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (15 credits)	
<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
ENGT 434		ENGT 435W (C or better required)	
ENMA 401**		EET 405	
Approved Manufacturing Elective***		ENMA 480**	
Approved Manufacturing Elective***		Approved Manufacturing Elective***	
Interpreting the Past	Transfer Equivalency Guide	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, 271, 279, 280, 281, or 282

EET 120 = EGR 277

EET 125 = EGR 278

MET 200 = MEC 112, 113, 161; IND 113, or 115, or DCC only MAC 108

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

ENGT 230 = EGR 110, 122; CAD 238, 241, 242, or 243

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

ENGT 270 & 286 = ELE 234, (MEC 165 + ELE 233), or (MEC 269 + ELE 233)

MFET 320 = (ETR 150 + MEC 140) or (ELE 211 + MEC 140)