

2024 - 2025 Old Dominion University Catalog

Bachelor of Science in Engineering Technology- Mechanical 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)

General Education and Major Coursework:

ENGN 121
ENGL 110C (C or better required)
MATH 162M (C or better required)
CHEM 121N/122N

VCCS Equivalency:

(EGR 121 + ITE 152)* or waived w/ A.S.
ENG 111 or ENGL 114*
MTH 161, 163, or 171*
CHM 111 or (CHEM 111 +112+ 113)*

SPRING SEMESTER (14 credits)

General Education and Major Coursework:

MATH 163 (C or better required)
PHYS 111N
ENGN 122
ENGL 211C (C or better required)

VCCS Equivalency:

MTH 162, 164, 168, or 172*
PHY 111, 121, 131, or 201*
EGR 125 or 126*
ENG 112 or ENGL 115*

YEAR 2 - SOPHOMORE (31 CREDITS)

FALL SEMESTER (17 credits)

General Education and Major Coursework:

ENGT 230
ENGT 200 (C or better required)
MATH 211(C or better required)
COMM101R
PHYS 112N

VCCS Equivalency:

EGR 110*
See below*
MTH 173, 263, 273, (261+262) or (271+272)*
[Transfer Equivalency Guide](#)
PHY 112, 122, or 202*

SPRING SEMESTER (14 credits)

General Education and Major Coursework:

ENGT 220
MET 225
MET 200
ENGT 270
ENGT 286
Human Behavior

VCCS Equivalency:

See below*
EGR 247 or MEC 135*
IND 111, 113, 115; MEC 112, 113, or 161*
ELE 234*
ELE 234*
[Transfer Equivalency Guide](#)

YEAR 3 - Junior (32 credits)

FALL SEMESTER (16 credits)

Major Coursework:

MET 300 (C or better required)
MET 310
MET 330
MET 331
ENGT 365
Human Creativity

VCCS Equivalency:

EGR 248*
EGR 245*
[Transfer Equivalency Guide](#)

SPRING SEMESTER (16 credits)

Major Coursework:

MET 320
MET 340
MET 350
MET 351
ENGT 305
Literature

VCCS Equivalency:

[Transfer Equivalency Guide](#)

YEAR 4 - SENIOR (30 CREDITS)

FALL SEMESTER (15 credits)

General Education and Major Coursework:

ENMA 302
ENGT 434
ENMA 480
**Approved MET Elective
Interpreting the Past

VCCS Equivalency:

EGR 206* (must be 3 credits)
[Transfer Equivalency Guide](#)

SPRING SEMESTER (15 credits)

Major Coursework:

ENGT 435W (C or better required)
**Approved MET Elective
**Approved MET Elective
***Upper-Division Gen Ed
***Upper-Division Gen Ed

VCCS Equivalency:

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 requirement are met through the major.

****Approved MET Electives** (may require prerequisite course): MET 427, MET 430, MET 431, MET 450, MET 460, MET 471, MET 472, MET 475, MET 476, MET 485, EET 360, EET 405, MFET 310, MFET 320, MFET 330, MFET 340, MFET 410, MFET 420, MFET 430, MFET 440, MFET 450, MFET 460

*****Upper Division General Education** (choose 1)

Option D (suggested): 6 hours of elective upper-division work from outside of and not required by the student's major and college.

Option A: Any University-approved minor (minimum of 12 hours determined by the department), second degree, or second major

Option B: Any University-approved interdisciplinary minor (specifically 12 hours, 3 can be in the major)

Important Notes: *Graduates of this program are eligible to take the Fundamentals of Engineering (FE) exam in Virginia and many other states. Course prerequisites are strictly enforced. Please refer to the University Catalog for prerequisites of all courses.*

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:

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

ENGT 220 = MEC 132; EGR 130, 136, 246, or 250

ENGT 200 & 220 = EGR 130 or 250 (5 credits)

