

**United States Armed Forces / Old Dominion University
Military Pathway**

Catalog Years 2024–2027
(subject to change if catalog is revised)

Bachelor of Science in Engineering Technology – Mechanical Engineering Technology

Requirements Potentially Met Outside Classroom

Military Course, Certification, Experience, or Exam	ODU Equivalent Course	Credits
Lower-Division General Education Requirements		
CLEP ^{1 2 3} College Composition (NOT Modular)	ENGL 110C English Composition	3
DSST Technical Writing	ENGL 231C Writing, Rhetoric, and Research: Special Topics	3
Instructor, career counselor, recruiter, or select specialties	Oral Communication requirement	3
CLEP Precalculus or select military specialties	MATH 162M and 163 Precalculus I and II	6
CLEP Foreign Languages or military linguist or DLIFLC grad	Language and Culture requirement ⁴	6
CLEP Any Social Sciences exam except Ed Psych	Human Behavior requirement	3
CLEP Any one of six History exams	Interpreting the Past requirement	3
CLEP American or Analyzing & Interpreting Literature	Literature requirement	3
CLEP Chemistry or select military specialties	CHEM 121N Foundations of Chemistry I (lecture) or 121N and 122N	3-4
Subtotal		33-34
Department or Major Requirements		
CLEP or DSST multiple choices	General Education requirements	various
Select military specialties	ENGN 121 Introduction to Engineering and Technology	4
Select military specialties	ENGN 122 Computer Programming for Engineering	4
Select military specialties	MET 300 Thermodynamics	3
Select military specialties	MET 320 Design of Machine Elements	3
Select military specialties	MET 330 and 331 Fluid Mechanics and Laboratory	4
Select military specialties	MET 351 Thermal Applications Laboratory	1
Select military specialties	MET 300/400 Electives (two courses)	6
Select military specialties	PHYS 111N and 112N Introductory General Physics	8
Subtotal		33
Requirements Potentially Met Outside Classroom		66-67

Notes:

- Prior learning credit not to exceed 60 credit hours is also available in specific situations at a cost of 20-50% of the current tuition rate: <https://ww1.odu.edu/academics/academic-records/evaluation-of-credit/prior-learning>
- E6 earns SEPS 302. E7 earns SEPS 302 and MGMT 325. E8 earns SEPS 302, MGMT 325, and MGMT 330. E9 earns SEPS 302, MGMT 325, MGMT 330, and MGMT 410.

¹ A passing CLEP or DSST examination score will satisfy the ODU requirement. See <https://clep.collegeboard.org/> and <https://www.odu.edu/academics/academic-records/score-analysis/clep-dantes> for details.

² A student may forego the CLEP or DSST option and satisfy the requirements by taking the actual courses. If a course is taken elsewhere check first for transfer equivalency here <https://transfer2.odu.edu/equivalency/>.

³ Modern States offers CLEP preparation here <https://modernstates.org/>.

⁴ ODU's Language and Culture requirement can be satisfied by three years of a foreign language or two years of two foreign languages in high school. Students whose native language is not English are exempt from taking a foreign language for general education.

**United States Armed Forces / Old Dominion University
Military Pathway**

Catalog Years 2024–2027
(subject to change if catalog is revised)

Bachelor of Science in Engineering Technology – Mechanical Engineering Technology

Requirements Met at ODU or Elsewhere

A minimum of 30 credits must be taken at ODU and 120 credits total to earn degree

Short Title	Course Title	Credits
Program Requirements		
ENGT 200	Statics (C or better required)	3
ENGT 220 & MET 225	Strength of Materials and Strength of Materials Laboratory	4
ENGT 230	Engineering Graphics and Computer Solid Modeling	3
ENGT 270 & 286	Automation and Controls and Automation and Controls Laboratory	4
ENGT 305	Advanced Technical Analysis	3
ENGT 365	Geometric Dimensioning and Tolerancing	3
ENGT 434	Introduction to Senior Design Project	3
ENGT 435W	Senior Design Project (C or better required)	3
ENMA 302	Engineering Economics	3
ENMA 480	Ethics and Philosophy in Engineering Applications (meets Philosophy and Ethics requirement)	3
MET 200	Materials and Manufacturing Processes	3
MET 310	Dynamics	3
MET 340	Heat Transfer	3
MET 350	Thermal Applications	3
MET electives	Select one approved MET elective from catalog	3
HC 1REQ	Human Creativity requirement	3
MATH 211	Calculus (C or better required)	4
Upper-Div General Ed	Upper-Division General Education requirements unless met elsewhere	0-6
Requirements met at ODU or elsewhere		54-60
Total credits for degree		121+

Next steps:

Submit application at <https://www.odu.edu/apply/applications>. Online students - use application fee waiver code provided by your ODUGlobal enrollment coordinator.

- Order your high school, college, CCAF, and/or joint service transcripts sent to admissions@odu.edu or Old Dominion University, Undergraduate Admissions, 1004 Alfred B. Rollins Jr. Hall, Norfolk, Virginia 23529-0050.
- Electronically sign your application.
- Monitor your application portal for status updates until an admission decision is made.
- Accept your admission offer and set up your ODU account/email as directed by Admissions.
- Complete orientation and meet with your academic advisor prior to course registration.
- Finalize your degree plan with your academic advisor based on this pathway.

V. Jovanovic

9/9/24

Bonnie Van Lunen

9-9-24

Dr. Vukica Jovanovic
Professor and Chair
Engineering Technology
Old Dominion University

Date

Dr. Bonnie Van Lunen
Interim Vice Provost
Academic Affairs
Old Dominion University

Date