

**United States Armed Forces / Old Dominion University
Military Pathway
Catalog Years 2026–2029**

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
Select military specialties	Oral Communication requirement	3
CLEP Precalculus	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 History exam	Interpreting the Past requirement	3
CLEP American or Analyzing & Interpreting Literature	Literature requirement	3
CLEP Chemistry	CHEM 121N Foundations of Chemistry I (lecture only)	3
Department or Major Requirements		
Select military specialties	CHEM 121N and 122N Foundations of Chemistry I lecture/lab	4
Select military specialties	EET 360 Electrical Machines (approved MET elective)	3
Select military specialties	ENGN 121 Introduction to Engineering and Technology	4
Select military specialties	MATH 162M Precalculus I	3
Select military specialties	MET 200 Materials and Manufacturing Processes	3
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 400 Elective	3
Select military specialties	MFET 420 Welding Processes (approved MET elective)	3
Select military specialties	PHYS 111N and 112N Introductory General Physics	8
Current or previous E7-E9 or CLEP Principles of Management	MGMT 325 Contemporary Organizations and Mgmt (Option D)	3
Current or previous E6-E9 or DSST Principles of Supervision	SEPS 302 Workforce Supervision Management (Option D)	3
Requirements Potentially Met Outside Classroom		81

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.

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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		
ENGN 122 or 123	MATLAB and C++ Programming for Engineers or C++ Programming for Engineers	4
ENGT 200	Statics (C or better required)	3
ENGT 220 & MET 225	Strength of Materials (C or better required) 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 434W	Senior Capstone Design I (C or better required)	3
ENGT 435	Senior Capstone Design II	3
ENMA 302	Engineering Economics	3
ENMA 480	Ethics and Philosophy in Engineering Applications (meets Philosophy and Ethics requirement)	3
MATH 211	Calculus (C or better required)	4
MET 310	Dynamics	3
MET 340	Heat Transfer	3
MET 350	Thermal Applications	3
MET electives	Select three approved MET electives from catalog unless met elsewhere	9
HC 1REQ	Human Creativity requirement	3
Upper-Div General Ed	Upper-Division General Education requirements not met elsewhere	6
Requirements met at ODU		67
Total credits for degree		121

1. Submit application at <https://www.odu.edu/apply/applications>. Order your official high school, college, and military transcripts to be sent to admissions@odu.edu (campus), globaladmissions@odu.edu (ODUGlobal), or mailed to Old Dominion University, Undergraduate Admissions, 1004 Alfred B. Rollins Jr. Hall, Norfolk, Virginia 23529-0050.
2. Electronically sign your application and monitor your application portal for status updates until an admission decision is made.
3. Accept your admission offer, set up your ODU account/email, and complete orientation.
4. Meet with your advisor prior to registration and finalize your degree plan with your advisor based on this pathway.

 6/16/26

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

Date



Dr. Jeffrey Fergus
Dean
Frank Batten College of Engineering and Technology
Old Dominion University

16 June 2026

Date