

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

**BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY – MANUFACTURING ENGINEERING TECHNOLOGY**

<b>Requirements Potentially Met Outside Classroom</b>		
<b>Military Course, Certification, Experience, or Exam</b>	<b>ODU Equivalent Course</b>	<b>Credits</b>
<b>Lower-Division General Education Requirements</b>		
CLEP <sup>1 2 3</sup> 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 <sup>4</sup>	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
<b>Department or Major Requirements</b>		
Select military specialties	CHEM 121N and 122N Foundations of Chemistry lecture/lab	4
Select military specialties	EET 120 Fundamentals of Logic Circuits	3
Select military specialties	EET 125 Logic Circuits Laboratory	1
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	MFET 420 Welding Processes	3
Select military specialties	PHYS 111N and 112N Introductory General Physics	8
<b>Requirements Potentially Met Outside Classroom</b>		<b>62</b>

<sup>1</sup> 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.

<sup>2</sup> 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/>.

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

<sup>4</sup> 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**

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

Short Title	Course Title	Credits
<b>Manufacturing Engineering Technology Program Requirements</b>		
EET 405	Data Communications and Computer Networks	3
EET 263	Programmable Logic Controller Systems	3
ENGN 122 or 123	MATLAB and C++ Programming for Engineers or C++ Programming for Engineers	4
ENGT 200	Statics	3
ENGT 230	Engineering Graphics and Computer Solid Modeling	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 401	Project Management	3
ENMA 480	Ethics and Philosophy in Engineering Applications (meets Philosophy and Ethics requirement)	3
ENMA Courses	Select two approved ENMA courses from <a href="#">catalog</a>	6
MATH 211	Calculus (C or better required)	4
MET 310	Dynamics	3
MFET 235	Introduction to Robotics	3
MFET 310	Design for Manufacturing	3
MFET 320	Mechatronics and Controls	3
MFET 330	Quality Systems in Manufacturing	3
MFET 340	Smart Manufacturing Systems	3
MFET Electives	Select four approved MFET courses from <a href="#">catalog</a> unless met elsewhere	12
STAT 330	An Introduction to Probability and Statistics	3
HC 1REQ	Human Creativity requirement	3
<b>Requirements met at ODU</b>		<b>80</b>
<b>Total credits for degree</b>		<b>121</b>

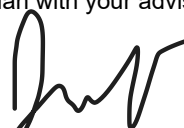
1. Submit application at <https://www.odu.edu/apply/applications>. Order your official high school, college, and military transcripts to be sent to [admissions@odu.edu](mailto:admissions@odu.edu) (campus), [globaladmissions@odu.edu](mailto:globaladmissions@odu.edu) (ODUGlobal), or mailed to Old Dominion 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.



6/11/2026

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

Date



12 June 2026

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

Date