

General Education Courses				
Course#	Course Title	Credit	NNAS Program	ODU Course Equivalents
ENG 111	College Composition I	3	E111 (CC)	ENGL 110C
ENG 112	College Composition II	3	C232 (NNAS) (Course Substitution)	ENGL 231C
HUM	Humanities Elective	3	Humanities Elective (CC)	Liberal Arts Course
HUM	Humanities Elective	3	Humanities Elective (CC)	Liberal Arts Course
SOC SCI	Social Science Elective	3	Social Science Elective (CC)	Liberal Arts Course or Human Behavior
HIS or SS	TNCC: Social Science / TCC: History	3	Social Science Elective (TNCC) or History Elective (TCC)	Liberal Arts Course or Human Behavior
MTH 263	Calculus I	4	M263 (CC)	MATH 211
MTH 264	Calculus II	4	M264 (CC)	MATH 212
CHM 111	College Chemistry	4	C221 (CC)	CHEM 121N/CHEM 122N
CHM 112	College Chemistry	4	C222 (CC)	CHEM 123N/CHEM 124N
SDV 101	Orientation to Engineering and Tech.	1	SDV 101 (CC)	UNIV 100
Total General Education Course Credits		35		Total General Education Course Credits
				35

MAJOR AND OTHER COURSES

Course #	Course Title	Credit	NNAS Program	ODU Course Equivalents	Credit
PHY 241	University Physics I	4	P241 (CC)	PHY 231N	4
PHY 242	University Physics II	4	P242 (CC)	PHY 232N	4
MTH 265	Calculus III	4	M265 (CC)	MATH 285 (312 transfer equivalent)	4
MTH 267	Ordinary Differential Equations	3	M267 (CC)	MATH 280 (307 transfer equivalent)	3
EGR 110	Engineering Graphics	3	EGR 110/E110 (CC)	ECE 111 (Substitution)	3
EGR 120	Introduction to Engineering	2	EGR 120/E120 (CC)	ENGN 110	2
EGR 125/126	TCC: Intro to Engineering Methods (C++)	4	E125(TCC)/ E126(TNCC)	CS 150 (ENGN 150 equivalent)	4
---	Engineering Elective	3	EGR 260/E260 (CC)	ECE 201	3
---	Engineering Elective	2	EGR 262/E262 (CC)	ECE 287	2
---	Engineering Elective	4	EGR 270/E270 (CC)	ECE 241	4
EGR 140	Engineering Mechanics-Statics	3	EGR 140/E140 (TNCC requirement only)	MAE 204 (Nonmajor Engineering Elective)	3
TNCC only					
Total Major and Other Course Credits		36		Total Major and Other Course Credits	36

ADDITIONAL TRANSFER COURSES (Not required by CC for the AS in Engineering, but satisfied by NNAS Electrical Engineering program requirements)

Course Title	Credit	NNAS Program	ODU Course Equivalents	Credit
MTH 161	3	M161 (CC)	MTH 162M	3
MTH 162	3	M162 (CC)	MTH 163	3
CST 100 *	3	C243 (NNAS)	COMM 101R	3
EGR 261 *	3	E261 (CC)	ECE 202	3

*Required for the BS in Electrical Engineering at ODU

NOTE: Completed Virginia community college AS satisfies all lower-level General Education requirements.

Note: The lower-division general education requirements will be met by completion of all courses outlined in this program agreement. Student must earn C or better for courses to transfer. To participate in this articulation agreement please visit Old Dominion University's website to complete the Letter of Intent: http://www.odu.edu/transfer/vccs Completion of this articulation agreement alone does not guarantee admission to Old Dominion University. All students must meet the requirements set by the Office of Admissions and the Guaranteed Admissions Agreement (GAA). Please visit admissions.odu.edu for more information regarding guaranteed admission to Old Dominion University.	Requirements to be completed at ODU			
	ECE	302	Linear Systems	3
	ECE	303	Introduction to Electrical Power	3
	ECE	313	Electronic Circuits	4
	ECE	323	Electromagnetics	3
	ECE	332	Micro. Materials and Processes	3
	ECE	381	Introduction to Discrete-time signal processing	3
	ECE	304	Probability, Statistics, and Reliability	3
	ECE	387	Microelec. Fabrication Lab	3
	ECE	485W	Electrical Engineering and Design I	3
	ECE	486	Preparatory ECE Senior Design II	2
	ENMA	480	Mechanical Engineering Design II	3
	ECE	487	Project Design and Management (Satisfies Philosophy and Ethics)	2
	ECE Technical Electives			12
	Upper Division General Education			6
	Total Credits to be Taken at ODU			53
	Total Transfer Credits			83
	Total Credits			136

Regina D. McLean 5/27/2020
 Signature Date

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 Training Manager, Academics
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 Signature Date

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