

NVCC Engineering (AS) Degree 2019-20				Civil					Computer						Computer Science		
Semester 1				GMU	VT	ODU	UVA	UDC	GMU	VT	ODU	VCU	UVA	UDC	VT	UVA	UDC
SDV	100	College Success Skills	1														
ENG	111	College Composition I	3														
CST		Communication Elective	3	CST 100		CST100, 110			CST 100					CST 100			
MTH	263	Calculus with Analytic Geometry I	4														
		Social Science Elective	3	ECO 202					ECO 202								
		Humanities/Fine Arts Elective	3														
EGR	121	Foundations of Engineering	2				Note 1					Note 1		Note 1			
			19														
Semester 2																	
ENG	112	College Composition II	3														
MTH	264	Calculus with Analytic Geometry II	4														
PHY	231	General University Physics I	5														
		Engineering/Technical Elective A	3-4	CHM111	CHM 111	CHM111	CHM 111	CHM 111	CSC 201	CHM 111	CHM111	CHM 111	CHM 111	CHM 111	CHM 111	CHM 111	CSC 130*
			15-16														
Semester 3																	
MTH	265	Vector Calculus	4														
PHY	232	General University Physics II	5														
		Engineering/Technical Elective B	3	CIV225/226	EGR 206	EGR126	EGR 126	EGR 240	MTH 266	EGR126	EGR126	EGR 126	CSC 201	EGR 251	CSC 201	CSC 201	CSC 201
		Engineering/Technical Elective C	2-3	EGR240	EGR 240	EGR240	EGR 240	EGR 126	EGR 251	EGR251		EGR 251	EGR 251	CSC 201	EGR 122	MTH 288	MTH 288
		Social Science Elective	3														
			17-18														
Semester 4																	
MTH	267	Differential Equations	3				Note 2						Note 2		Note 2		
		Engineering/Technical Elective D	3-4	CIV240	MTH 266	EGR 245	BIO 101	BIO 101/CHM 112	EGR 252	EGR 252	CHM112	EGR 252	MTH 288	MTH 288	CSC 202	CSC 202	CSC 202
		Engineering/Technical Elective E	1-3	EGR246	EGR 246	EGR 246	EGR 246	EGR 245	EGR 255	EGR255		EGR 255	EGR 255	EGR 255	MTH 266	CSC 205	MTH 266
		Engineering/Technical Elective F	3-4	CIV 280	EGR 122	CHM 112	MTH 266*	EGR 246	CSC 202	EGR 122		MTH 266	CSC 202	CSC 202	MTH 288	HM 112 or BIO 10	CSC 206*
		Humanities/Fine Arts Elective	3														
			13-17														
Extra Courses that NOVA offers that will transfer in the discipline				BIO 102**					MTH 288	MTH 266		EGR 206	EGR 265	EGR 240			
Advising Notes:				**This course will transfer but is not on the Engineering Technical Electives list due to hidden pre-reqs. A student can transfer this course to the institution but the pre-reqs will not complete an "Engineering/Technical Elective" requirement.	Note 1: Choose between SOC 210, SOC 211, SOC 212, SOC 236	Note 1: For students attending UVA will also need to take EGR 122 to earn credit for ENGR 164	Note 2: Students will need to take 1 credit UVA bridge course to earn credit for APMA 2131	*Students will need to take a 1 credit UVA bridge courses to earn credit for APMA 2131	Note 1: Should encourage students to join ADVANCE to take GMU's ECE 101 course. This should be taken before EGR 251.	Note: EGR 126 is a pre-requisite for first semester courses at VT.	Note 1: For students attending UVA will also need to take EGR 122 to earn credit for ENGR 164	Note 2: Students will need to take 1 credit UVA bridge course to earn credit for APMA 2131.	Note 1: For students attending UVA will also need to take EGR 122 to earn credit for ENGR 164	Note 2: Students will need to take 1 credit UVA bridge course to earn credit for APMA 2131.	*Not on the list of approved electives. Students will need to get a substitution		

