

Student _____

ID # _____

Advisor _____

ENGINEERING, AS DEGREE
Computer Science Major

Sem. & Yr. Taken	FIRST SEMESTER - FALL	Grade	Sem. & Yr. Taken	THIRD SEMESTER- FALL	Grade
_____	CSC 221 Intro to Problem Solving & Programming	3 _____	_____	CSC 222 Object-Oriented Programming	4 _____
_____	CHM 111 College Chemistry I	4 _____	_____	MTH 265 Calculus III	4 _____
_____	EGR 121 Foundations of Engineering	2 _____	_____	PHY 241 University Physics I	4 _____
_____	ENG 111 College Composition I	3 _____	_____	_____ EGR Social Science Requirement(s) ²	<u>3</u> _____
_____	MTH 263 Calculus I	4 _____			15
_____	SDV 101 Orientation to Computer Science and Information Technology (or SDV 100)	<u>1</u> _____			
		17			
Sem. & Yr. Taken	SECOND SEMESTER - SPRING	Grade	Sem. & Yr. Taken	FOURTH SEMESTER - SPRING	Grade
_____	EGR 122 Engineering Design	3 _____	_____	CSC 223 Data Structures and Analysis of Algorithms	4 _____
_____	ENG 112 College Composition II	3 _____	_____	_____ EGR Humanities/Fine Arts Requirement(s) ¹	3 _____
_____	MTH 264 Calculus II	4 _____	_____	MTH 288 Discrete Mathematics (or CSC 208) ³	3 _____
_____	_____ EGR Humanities/Fine Arts Requirement(s) ¹	3 _____	_____	_____ Engineering Technical Requirement(s) ⁴	<u>5-8</u> _____
_____	HIS 101 Western Civilizations Pre-1600 CE (or HIS 121/HIS 102 /HIS 122)	<u>3</u> _____			15-18
		16			

TOTAL MINIMUM CREDITS FOR AS DEGREE – 63-66

¹Students may choose from college approved Humanities/Fine Arts Requirements in the college catalog. The two required Humanities/Fine Arts Requirements cannot be from the same discipline area.

²Social Science Requirements include the following: ECO (excluding ECO 120), GEO, PLS, PSY (excluding PSY 120), or SOC. Virginia Tech may recommend ECO 201-202; students should consult the specific requirements of the specific program at the transfer institution.

³MTH 288 (**or CSC 208**) is a co-requisite for CSC 223.

⁴Students may choose from the following Engineering Technical Requirements: EGR 125 (4 cr.), EGR 206 (3 cr.), EGR 240 (3 cr.), EGR 245 (3 cr.), EGR 246 (3 cr.), EGR 270 (4 cr.), EGR 271 (4 cr.), EGR 272 (4 cr.), EGR

231 Mass Energy Balances (3 cr.), EGR 232 Chemical Engineering Thermodynamics (3 cr.), ACC 211 (3 cr.); BIO 101 (4 cr.), CHM 112 (4 cr.), CHM 241 (3 cr.), CHM 242 (3 cr.), CHM 245 (2 cr.), CHM 246 (2 cr.), CSC 215 (3 cr.), PHY 242 (4 cr.), ECO 201 (3 cr.), and ECO 202 (3 cr.).

NOTES:

Students planning to transfer should consult the four-year transfer institution to determine course recommendations prior to registering for classes at NRCC.

General transfer information is available at www.nr.edu/transfer.

VT Foreign Language Graduation Requirement: Students must have had 2 years of a foreign language in high school or one year at the college level (6 credit hours) of the same language. College level credits used to meet this requirement do not count towards the degree.