NEW RIVER COMMUNITY COLLEGE

Student _____

ID # _____

Advisor _____

2022-2023 CATALOG

ENGINEERING, A.A. & S. DEGREE

Computer Science Specialization

Sem. & Yr. Taken		FIRST SEMESTER - FALL		Grade
_____	CSC 221	Intro to Problem Solving & Programming	3	_____
_____	CHM 111	College Chemistry I	4	_____
_____	EGR 121	Foundations of Engineering	2	_____
_____	ENG 111	College Composition I	3	_____
_____	MTH 263	Calculus I	4	_____
_____	SDV 100	College Success Skills	1	_____
			17	

Sem. & Yr. Taken		SECOND SEMESTER - SPRING		Grade
_____	EGR 122	Engineering Design	3	_____
_____	ENG 112	College Composition II	3	_____
_____	MTH 264	Calculus II	4	_____
_____	_____	EGR Humanities/Fine Arts Elective(s)[1]	3	_____
_____	HIS 101	Western Civilizations Pre-1600 CE (or HIS 121/HIS 102/HIS 122)	3	_____
			16	

Sem. & Yr. Taken		THIRD SEMESTER- FALL		Grade
_____	CSC 222	Object-Oriented Programming	4	_____
_____	MTH 265	Calculus III	4	_____
_____	PHY 241	University Physics I	4	_____
_____	_____	EGR Social Science Elective(s)[2]	3	_____
_____	_____	Health or Physical Education Elective(s)	1	_____
			16	

Sem. & Yr. Taken		FOURTH SEMESTER - SPRING		Grade
_____	CSC 223	Data Structures and Analysis of Algorithms	4	_____
_____	_____	EGR Humanities/Fine Arts Elective(s)[1]	3	_____
_____	CST 100	Principles of Public Speaking	3	_____
_____	MTH 288	Discrete Mathematics[3]	3	_____
_____	_____	Engineering Technical Elective(s)[4]	3-4	_____
			16-17	

TOTAL MINIMUM CREDITS FOR A.A. & S. DEGREE – 65-66

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

[2]Social Science electives 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.

[3]MTH 288 is a co-requisite for CSC 223.

[4]Students may choose from the following Engineering Technical Electives: EGR 126 (3 cr), EGR 140 (3 cr), EGR 206 (3 cr), EGR 245 (3 cr), EGR 246 (3 cr), EGR 248 (3 cr), EGR 251 (3 cr), EGR 255 (1 cr), CHM 112 (4 cr), BIO 102 (4 cr), ECO 201 (3 cr), ECO 202 (3 cr), PHY 242 (4 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.

For students transferring to Virginia Tech. The Computer Science degree at Virginia Tech requires 12 credit hours of natural science electives. Eight (8) of these credits must be in a sequence. This can be satisfied by completing PHY 241/242, CHM 111/112, or BIO 101/102.

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.