

NEW RIVER COMMUNITY COLLEGE

2023-2024 CATALOG

Student _____

ID # _____

Advisor _____

ENGINEERING, A.A. & S. DEGREE
Computer Science Specialization

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 Elective(s) ²	<u>3</u> _____
_____	MTH 263 Calculus I	4 _____			15
_____	SDV 100 College Success Skills	<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 Elective(s) ¹	3 _____
_____	MTH 264 Calculus II	4 _____	_____	MTH 288 Discrete Mathematics ³	3 _____
_____	_____ EGR Humanities/Fine Arts Elective(s) ¹	3 _____	_____	_____ Engineering Technical Elective(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 A.A. & S. DEGREE – 63-66

¹Students 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.

²Social 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.

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

⁴Students may choose from the following Engineering Technical Electives: EGR 125 (4 cr.), EGR 206 (2 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 2XX Mass Energy Balance I (3 cr.), EGR 2XX Mass Energy Balance II (3 cr.), ACC 211 (4 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.), 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.