

**CCV STEM Studies A.S. to UVM Mathematics B.A. Pathway**  
**College of Arts and Sciences (CAS)**  
**Catalogue Year: 2021-2022**

<b>CCV DEGREE PROGRAM: STEM Studies</b>	<b>UVM DEGREE PROGRAM: Mathematics B.A.</b>
Gen Ed: First Semester Seminar INT 1050 - Dimensions of Self & Society	HUMN 0XX - fulfills one CAS Humanities General Education Core requirement
Gen Ed: Introductory Written Expression ENG 1061 - English Composition	ENGS 001 - FW:Written Expression, fulfills University FWIL requirement
Gen Ed: Digital and Computer Literacy Select from approved list of CCV Course Offerings	Elective (please refer to the <a href="#">UVM Transfer Guide</a> )
Gen Ed: Mathematics: <i>Choose:</i> MAT 1531 - Calculus I	MATH 021 - QR:Calculus I, fulfills QR and CAS Mathematical Sciences requirements
Gen Ed: Natural Science <i>Choose one four credit lab course from:</i> BIO 1210 - Intro to Biology BIO 1212 - Intro Bio: Cells & Genetic Basis CHE 1031 - General Chemistry I BIO 1220 - Botany	Fulfills CAS Natural Science (lab) requirement BIOL 0LX (1-99 level BIOL with lab credit) BIOL 001 - Principles of Biology CHEM 031 - General Chemistry I PBIO 004 - SU Intro to Botany
Gen Ed: Social Science <i>Choose:</i> SOC 1020 - Ethnicity & Diversity in the US	SOC 019 - D1:Race Relations in the US, fulfills D1 and CAS Social Sciences requirement
Gen Ed: Arts and Aesthetics <i>Choose from:</i> DAN 2210 - Middle Eastern Dance & Culture THA 2121 - Acting I Any ART Any ARH Any FLM Any MUS	Fulfills CAS Fine Arts requirement: DNCE 0XX (1-99 level DNCE credit) THE 010 - Acting I: Intro to Acting  (please refer to the <a href="#">UVM Transfer Guide</a> )
Gen Ed: Humanistic Perspectives <i>Choose:</i> ANT 1010 - Intro to Cultural Anthropology	ANTH 021 – D2:SU:Cultural Anthropology, fulfills D2 & SU, CAS Non-European Cultures requirement, and one CAS Social Sciences requirement
Gen Ed: Communication Select from approved list of CCV offerings	Elective (please refer to the <a href="#">UVM Transfer Guide</a> )
Gen Ed: Research & Writing Intensive ENG 2135 - Technical Writing & Research	ENGS 0XX (1-99 level ENGS credit), Elective
Gen Ed: HUM 2010 - Seminar in Educational Inquiry INT 2860 - Professional Field Experience	HUMN 0XX - fulfills one CAS Humanities General Education Core requirement EDEC 0XX (1-99 level EDEC credit), Elective
STEM Electives: <i>Choose a minimum of 23 college-level credits in:</i> AHS, ARC, BIO, CHE, CIS (above CIS-1020), ENV, MAT, MEC, or PHY <i>Choose one three credit non-lab course from:</i> BIO 1140 - Human Biology BIO 2260 - Principles of Conservation Biology BIO 2330 - Principles of Animal Behavior ENV 1055 - Fundamentals of Earth Science MET 1020 - Meteorology PHY 1110 - Intro to Astronomy <i>Choose:</i> MAT 2532 - Calculus II	Fulfills Natural Science (non-lab) General Education Core requirement : BIOL 004 - The Human Body BIOL 0XX (1-99 level BIOL credit) BIOL XXX (BIOL credit at no specific level) GEOL 0XX (1-99 level GEOL credit) GEOG 040 - Weather, Climate & Landscapes ASTR 005 - Exploring the Cosmos  MATH 022 - QR Calculus II
<b>Total Credits at CCV: 60-62</b>	
<b>Credits remaining at UVM:</b> Distribution: 2 Foreign Language Courses, 1 Literature (11 credits) Major: MATH 121, 052, 124, 18 credits in mathematics/statistics courses credits at the 100-level or higher, with at least 12 credits at the 200-level (28 credits) *Minor: 12-18 credits Electives: As needed to reach 60 total credits <b>Total credits required to earn Bachelor's degree is minimum 120.</b>	<i>Please review the <a href="#">UVM catalogue</a> for a list of available minors.</i>  <i>*Minor options can slightly vary in number of credits. Average number of credits is 18 – any adjustment will impact number of Elective credits needed to earn UVM degree.</i>  <i>UVM offers a wide-variety of Minor options. Due to course sequencing and pre-req completion, not all minors can be completed in four semesters. We recommend you connect with your advisor to discuss your career goals and degree completion timeline.</i>