

# CCV STEM Studies to Castleton Mathematics PATHWAY

Fall 2019-Summer 2020

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| CCV DEGREE PROGRAM: STEM Studies   | CASTLETON DEGREE PROGRAM: Mathematics  |
| Gen Ed: First Semester Seminar:INT-1050  | Gen Ed: World Views Frame  |
| Gen Ed: Technological Literacy course  | Gen Ed: Computing  |
| Gen Ed: Communication: Recommended ENG-1070 Effective Speaking   | Gen Ed: Speaking: ENG-1070 Effective Speaking  |
| Gen Ed: ENG-1061 English Composition   | Gen Ed: ENG-1061 English Composition   |
| Gen Ed: Mathematics<br>Choose MAT-1531 Calculus I  | Gen Ed: Scientific and Math Understanding Frame<br>MAT-1531 Calculus I                                 |
| Gen Ed: Research/Writing Intensive course:<br>ENG-2135 Technical Writing & Research  | Gen Ed: Writing Intensive course   |
| Gen Ed: Scientific Method course   | Gen Ed: Scientific and Math Understanding Frame  |
| Gen Ed: Human Expression<br>Choose course in ART, ARH, DAN, ENG (above ENG-1300), FLM, MUS, THA  | Gen Ed: Aesthetics Understanding Frame   |
| Gen Ed: Human Behavior   | Gen Ed: Social & Behavioral Understanding Frame  |
| Gen Ed: Global Perspectives & Sustainability<br>Choose course in ANT, ECO, PSY, SSC, SWK, SOC  | Gen Ed: World Views Frame  |
| Gen Ed: HUM-2010 Seminar in Educational Inquiry  | Gen Ed: Aesthetic Understanding Frame; Writing Intensive; and Information Literacy Graduation Standard |
| Additional credits to reach 23 college-level credits from any combination of AHS, ARC, BIO, CHE, CIS (above CIS-1020), ENV, GEY, MAT, or PHY<br>Choose:<br>Prerequisite math course/s for Calculus I<br>CIS-2031 C/C++ Programming I<br>MAT-2532 - Calculus II 4 cr<br>Castleton MAT course/s required for bachelor degree | CIS-2031 – C++ Programming I 3 cr<br>MAT-2532 - Calculus II 4 cr                                       |
| INT-2860 Professional Field Experience   | General Elective   |
| Total CCV credits: 60+   |  |
|  | MAT 3533 Calculus III 4 cr   |
|  | MAT 3210 Linear Algebra  |
|  | MAT 3220 Probability   |
|  | MAT 3230 Mathematical Statistics   |
|  | MAT 3250 Applied Stats w/ SPSS   |
|  | MAT 3310 Differential Equations  |
|  | MAT 3410 Intro to Mathematical Proofs  |
|  | MAT 4110 Advanced Calculus   |
|  | MAT 4130 Abstract Algebra  |
|  | MAT 4140 Geometry  |
|  | MAT 4720 Senior Seminar  |
|  | Soundings: INT 1051 (waived), INT 1053, INT 3054   |
|  | Speaking Intensive in the discipline   |
|  | ENG 2260 Touchstones of Western Literature   |
|  | Course(s) to satisfy General Education "Frames"  |
|  | Other requirements and electives to reach 120 credits  |
| ESTIMATED ADDITIONAL CASTLETON CREDITS FOR BACHELOR DEGREE: 60   |  |