



Degree Transfer Options for Students in the Virginia Community College System

Degree Transfer Option for the **FERRUM COLLEGE B.S. DEGREE IN MATHEMATICS (MINOR REQUIRED)**

When a student who has graduated under the Guaranteed Admissions Agreement from an accredited Virginia Community College with an Associate of Arts degree, an Associate of Science degree, or an Associate of Arts and Sciences degree, transfers into Ferrum College, Ferrum College agrees that the student has satisfied the Liberal Arts course requirements portion of its graduation prerequisites. This agreement requires the student to have earned a grade of “C” or higher in courses applicable to the transfer-oriented degree program, have earned a minimum of 60 transferable credits, and hold an overall cumulative GPA of 2.0 or higher prior to enrollment at Ferrum College. If the student has not had a 3-credit Bible-based course as part of the Associate degree curriculum, then Ferrum College will require that the student successfully complete REL 111, 112, 113, or PHI 131. The student must satisfy all other graduation requirements including writing intensive, speaking intensive, E-Term, and experiential learning requirements.

Additional Community College courses to take and the transfer equivalencies in the **FERRUM COLLEGE B.S DEGREE IN MATHEMATICS (MINOR REQUIRED)**

In conjunction with the completion of the Associate degree (excluding Applied Science degree), courses below should be completed with a grade of C or higher in order to meet requirements for the B.S. in Mathematics. The Four Semester Plan included on page 2 provides the remaining requirements to complete the Ferrum College B.S. in Mathematics. If the courses below are not taken, this may increase the number of credit hours needed during each of the semesters while enrolled at Ferrum College to meet degree requirements.

VIRGINIA COMMUNITY COLLEGE SYSTEM

Course Number	Course Title	Credits
Bible-based Religion: REL 200 or 210	Old or New Testament	3
CST 100 or 110	Public Speaking	3
MTH 157, 240, 241 or 245	Statistics	3
MTH 173 or 263 & MTH 174 or 264	Calculus I & II	8-10
MTH 285 or 266	Linear Algebra	3
PHY 241 & 242	Physics I & II	8

FERRUM COLLEGE

Course Number	Credits
REL 112 or REL 113	3
COM 201	3
MTH 208	3
MTH 211 & MTH 221	8-10
MTH 246	3
PHY 203 & 204	8

**Note: Credits earned in the completion of the AA, AS, or AA&S degree that are not used to satisfy a specific degree requirement at Ferrum College will be counted towards the 121 credits required for graduation where unspecified hours remain.*



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Four Semester Plan for Completion of the **FERRUM COLLEGE B.S. DEGREE IN MATHEMATICS (MINOR REQUIRED)**

The chart below includes writing intensive (WI), E-Term, and experiential learning requirements. Speaking intensive (SI) is listed when not included in list of classes to be taken in conjunction with community college degree. 50% of the required major and minor hours must be taken at Ferrum College. A total of **121 credits** are required to earn a degree from Ferrum College. Students must earn a total of **30 hours at the 300-400 level**. Electives may be used to fulfill desired minor(s).

JUNIOR (FALL)

Course Number	Credits
MTH 234 Mathematical Reasoning	3
Elective for Minor or Additional Major	3
Elective for Minor or Additional Major	3
Elective to reach 121 required hours	3
MTH 390 Selected Topics	3
TOTAL	15

JUNIOR (SPRING)

Course Number	Credits
MTH 342 Abstract Algebra Or MTH 357 Linear Algebra II	3
MTH 243 Discrete Mathematics	3
Elective for Minor or Additional Major	3
Elective for Minor or Additional Major at 300-400 level	3
Elective to reach 121 required hours	3
E-Term	3
TOTAL	18

SENIOR (FALL)

Course Number	Credits
MTH 324 Elements of Geometry and Number Theory (WI) (odd) (grade of "C" or higher required)	3
MTH 497 Foundations of Mathematics	2
MTH 322 Calculus III	3
Elective for Minor or Additional Major at 300-400 level	3
Elective for Minor or Additional Major at 300-400 level	3
TOTAL	14

SENIOR (SPRING)

Course Number	Credits
MTH 342 Abstract Algebra or MTH 357 Linear Algebra II	3
MTH 498 Senior Seminar in Mathematics (WI) (grade of "C" or higher required)	3
MTH 332 Differential Equations	3
Elective for Minor or Additional Major	3
Elective to reach 121 required hours	3
TOTAL	15