



Ferrum College Eight-Semester Plans

FERRUM COLLEGE B.S. DEGREE IN MATHEMATICS (MINOR REQUIRED)

FRESHMAN (FALL)

Course Number	Credits
MTH 111 Pre-Calculus I (grade of "C" or higher required)	3
Liberal Arts Core (Fine Arts)	3
Liberal Arts Core (History)	3
GWS 101 Gateway Seminar	2
ENG 101 Composition and Rhetoric (grade of "C" or higher required)	3
TOTAL	14

FRESHMAN (SPRING)

Course Number	Credits
MTH 112 Pre-Calculus II	3
MTH 208 Statistics	3
Liberal Arts Core (History)	3
Liberal Arts Core (Lab Science)	2
ENG 102 Composition and Research (grade of "C" or higher required)	3
TOTAL	14

SOPHOMORE (FALL)

Course Number	Credits
MTH 211 Calculus	3
MTH 234 Mathematical Reasoning	3
Elective to Reach 121 Required Credits	3
Liberal Arts Core (Activity)	1
Liberal Arts Core (Literature)	3
Elective for Minor or Additional Major	3
TOTAL	16

SOPHOMORE (SPRING)

Course Number	Credits
MTH 243 Discrete Mathematics	3
MTH 221 Calculus II	3
Liberal Arts Core (REL/PHI)	3
Liberal Arts Core (Fine Arts)	3
Elective to reach 121 required hours	1
E-term	3
TOTAL	16

JUNIOR (FALL)

Course Number	Credits
Speaking Intensive (SI) (grade of "C" or higher required)	3
MTH 246 Linear Algebra I (even) or MTH 324 Geometry & Number Theory (odd)	3
CHM 341 Physical I OR PHY 203 Physics I	4
MTH 322 Calculus III	3
Liberal Arts Core (History)	3
TOTAL	16

JUNIOR (SPRING)

Course Number	Credits
MTH 342 Abstract Algebra or MTH 357 Linear Algebra II	3
Elective for Minor or Additional Major at 300-400 Level	3
CHM 342 Physical II OR PHY 204 Physics II	4
Liberal Arts Core (Bible-based)	3
Liberal Arts Core (History)	3
TOTAL	16

SENIOR (FALL)

Course Number	Credits
MTH 390 OR 490 Selected Topics	3
MTH 332 Differential Equations	3
MTH 324 Geometry & Number Theory (odd) or MTH 246 Linear Algebra I (even)	3
Elective for Minor or Additional Major at 300- 400	3
MTH 497 Foundations of Mathematics	2
TOTAL	14

SENIOR (SPRING)

Course Number	Credits
Elective for Minor or Additional Major	3
MTH 498 Senior Seminar (WI) (grade of "C" or higher required)	3
MTH 342 Abstract Algebra or MTH 357 Linear Algebra II	3
Elective for Minor or Additional Major at 300-400 Level	3
Liberal Arts Core (Social Science)	3
TOTAL	15

TOTAL HOURS REQUIRED FOR FERRUM COLLEGE B.S. DEGREE IN MATHEMATICS (MINOR REQUIRED): 121