



Ferrum College Eight-Semester Plans

FERRUM COLLEGE B.S. DEGREE IN BIOLOGY

FRESHMAN (FALL)

Course Number	Credits
BIO 110 Introductory Biology I	4
Liberal Arts Core (Social Science)	3
Liberal Arts Core (History)	3
GWS 101 Freshmen Gateway Seminar	2
ENG 101 Composition and Rhetoric (grade of "C" or higher required)	3
TOTAL	15

FRESHMAN (SPRING)

Course Number	Credits
BIO 111 Introductory Biology II	4
MTH 111 Pre-Calc I or MTH 112 Pre-Calc II	3
Liberal Arts Core (Fine Arts)	3
Liberal Arts Core (Activity)	1
ENG 102 Composition and Research (grade of "C" or higher required)	3
TOTAL	14

SOPHOMORE (FALL)

Course Number	Credits
BIO 230 Cell and Molecular Biology	4
CHM 103 General Chemistry I	4
MTH 208 or ESC 202 Statistics	3-4
Liberal Arts Core (Literature)	3
TOTAL	14-15

SOPHOMORE (SPRING)

Course Number	Credits
BIO 201 Vertebrate Zoology (even) or 301 Invertebrate Zoology (odd)	4
CHM 104 General Chemistry II	4
ESC 203 Fundamentals of Ecology	4
Elective to Reach 121 Required Credits	3
E-term (ESC 205-208)	4
TOTAL	19

JUNIOR (FALL)

Course Number	Credits
BIO 202, 306 (odd) or 311 (even)	4
PHY 201 General Physics I (IL) or PHY 203 Fundamentals of Physics I (IL)	4
CHM 301 Organic Chemistry I	4
Choose One: ESC 321 (even), BIO 254 or Minor Elective	4
Liberal Arts Core (REL/PHI)	3
TOTAL	19

JUNIOR (SPRING)

Course Number	Credits
BIO 305 Genetics	4
NSM 398 Junior Seminar (WI & SI) (grade of "C" or higher required)	3
Major Elective at 300-400 Level	3
Choose One: ESC 302, CHM 315 or Minor Elective	3-4
TOTAL	13-14

SENIOR (FALL)

Course Number	Credits
Liberal Arts Core (Bible-based)	3
BIO 303 Microbiology or 330 Cell Biology	4
NSM 498 Senior Seminar (WI & SI) (grade of "C" or higher required)	3
Major Elective @ 300-400 level	3
TOTAL	13

SENIOR (SPRING)

Course Number	Credits
Major Elective @ 300 level	4
Major Elective @ 300-400 level	4
Elective for Minor or Additional Major	3
Liberal Arts Core (History)	3
TOTAL	14

TOTAL HOURS REQUIRED FOR FERRUM COLLEGE B.S. DEGREE IN BIOLOGY: 121