



Ferrum College Eight-Semester Plans

FERRUM COLLEGE B.A. DEGREE IN CHEMISTRY (Minor Required)

FRESHMAN (FALL)

Course Number	Credits
GWS 101 Gateway Seminar	2
ENG 101 Composition and Rhetoric (grade of "C" or higher required)	3
BIO 110 Biology I or BIO-111 Biology II	4
CHM 103 General Chemistry I	4
MTH 211 Calculus I or MTH 203 Concepts in Calculus or MTH 111 Pre-Calculus I	3
TOTAL	16

FRESHMAN (SPRING)

Course Number	Credits
Liberal Arts Core (Social Science)	3
ENG 102 Composition and Research (grade of "C" or higher required)	3
Liberal Arts Core (Fine Arts)	3
CHM 104 General Chemistry II	4
MTH 211 Calculus I or MTH 203 Concepts in Calculus or MTH 111 Pre-Calculus I	3
TOTAL	16

SOPHOMORE (FALL)

Course Number	Credits
CHM 301 Organic Chemistry I	4
PHY 201 Physics or PHY 203 Physics I	4
Liberal Arts Core (History)	3
Elective or MTH 211 or MTH 203	3
Elective for Minor or Additional Major	3
TOTAL	17

SOPHOMORE (SPRING)

Course Number	Credits
CHM 302 Organic Chemistry II	4
PHY 202 Physics or PHY 204 Physics II	4
Elective for Minor or Additional Major	3
Elective for Minor or Additional Major	3
E-term	3
TOTAL	17

JUNIOR (FALL)

Course Number	Credits
CHM 305 Analytical Chemistry (odd) or CHM 341 Physical Chemistry (even)	3-4
Liberal Arts Core (Literature)	3
Liberal Arts Core (Bible-based)	3
NSM 398 Junior Seminar (SI, WI) (grade of "C" or higher required)	3
Elective for Minor or Additional Major	3
TOTAL	15-16

JUNIOR (SPRING)

Course Number	Credits
CHM 315 Biochemistry or CHM 425 Inorganic Chemistry (even)	4
Chemistry Elective	3
Liberal Arts Core (History)	3
Liberal Arts Core (REL/PHI)	3
Elective for Additional Minor or Major	3
TOTAL	16

SENIOR (FALL)

Course Number	Credits
CHM 305 Analytical Chemistry (odd) or CHM 341 Physical Chemistry (even)	3-4
NSM 498 Senior Seminar (SI, WI) (grade of "C" or higher required)	3
Elective to Reach 121 Required Hours	3
Elective to Reach 121 Required Hours	3
TOTAL	12-13

SENIOR (SPRING)

Course Number	Credits
(If not teacher education minor) CHM 315 Biochemistry or CHM 425 Inorganic Chemistry (even)	4
Elective for Minor or Additional Major (*EDU 402 and 403 if teacher education minor)	3 (or 12)
Elective to Reach 121 Required Hours	4
Liberal Arts Core (Activity)	1
TOTAL	12

TOTAL HOURS REQUIRED FOR FERRUM COLLEGE B.A. DEGREE IN CHEMISTRY: 121-123

*Secondary Teacher Education students should plan to take EDU 402 (10) and EDU 403 (2) in Senior Spring Semester