



## Degree Transfer Options for Students in the Virginia Community College System

### Degree Transfer Option for the **FERRUM COLLEGE B.S. DEGREE IN CHEMISTRY**

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 CHEMISTRY**

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 Chemistry. The Four Semester Plan included on page 2 provides the remaining requirements to complete the Ferrum College B.S. in Chemistry. 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
BIO 101 & 102	General Biology I & II	8
MTH 173, or 263	Calculus I	4 -5
MTH 174, or 264	Calculus with Analytic Geometry II	4 -5
CHM 111 & 112	General Chemistry I & II (with labs)	8
CHM 241 & 242	Organic Chemistry I & II (with labs)	8
PHY 241 & 242	Physics I & II (with labs)	8

#### FERRUM COLLEGE

Course Number	Credits
REL 112 or REL 113	3
BIO 110 & 111	8
MTH 211	4-5
MTH 221	4-5
CHM 103 & 104	8
CHM 301 & 302	8
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 CHEMISTRY**

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.

#### JUNIOR (FALL)

Course Number	Credits
CHM 341 Physical Chemistry (even) Or CHM 305 Analytical Chemistry (odd)	3-4
CHM Elective (6 hours required)	2-4
NSM 398 Junior Seminar (WI & SI) (grade of "C" or higher required)	3
Elective for Minor or Additional Major	3-4
Elective to Reach 121 Required Hours	3
<b>TOTAL</b>	<b>14-18</b>

#### JUNIOR (SPRING)

Course Number	Credits
CHM 425 Inorganic Chemistry (even) Or CHM 342 Physical Chemistry II (odd)	4
CHM Elective (6 hours required)	1-4
CHM Elective (6 hours required)	3-4
Elective for Minor or Additional Major	3-4
E-Term	2-4
<b>TOTAL</b>	<b>13-20</b>

#### SENIOR (FALL)

Course Number	Credits
CHM 341 Physical Chemistry (even) or CHM 305 Analytical Chemistry (odd)	3-4
Elective for Minor or Additional Major at 300-400 Level	3
Elective for Minor or Additional Major at 300-400 Level	3-4
NSM 498 Senior Seminar (WI & SI) (grade of "C" or higher required)	3
<b>TOTAL</b>	<b>12-14</b>

#### SENIOR (SPRING)

Course Number	Credits
CHM 425 Inorganic Chemistry (even) or CHM 342 Physical Chemistry II (odd)	4
CHM Elective (if needed)	2
Elective for Minor or Additional Major at 300-400 Level	3
Elective for Minor or Additional Major at 300-400 Level	3
Elective for Minor or Additional Major	3
CHM 315 Biochemistry	4
<b>TOTAL</b>	<b>19</b>