



## Ferrum College Eight-Semester Plans

### FERRUM COLLEGE B.S. DEGREE IN COMPUTER TECHNOLOGY AND INFORMATION SYSTEMS–Networks & Cybersecurity

#### FRESHMAN (FALL)

Course Number	Credits
CSC 102 Hardware Main & Troubleshooting	3
BUS 230 Computer Applications	3
Liberal Arts Core (Lab Science)	2
GWS 101 Freshmen Gateway Seminar	2
ENG 101 Composition and Rhetoric (grade of "C" or higher required)	3
<b>TOTAL</b>	<b>13</b>

#### FRESHMAN (SPRING)

Course Number	Credits
CSC 125 Concepts in Comp Info Systems (GA, IL)	3
ECO 202 Microeconomics (QR)	3
CJU 201 Criminal Justice	3
MTH-111 Pre-Calculus I	2
ENG 102 Composition and Research (grade of "C" or higher required)	3
<b>TOTAL</b>	<b>14</b>

#### SOPHOMORE (FALL)

Course Number	Credits
MTH 234 Mathematical Reasoning	3
ACC 110 Intro Accounting (QR) (odd)	3
CSC 229 Programming Concepts & Algorithm	3
CSC 145 Social Networking Best Practices	3
ANA 271 Bus Analytics Software (GA, IL, QR) or GEO 221 Geographic Information Systems	3-4
<b>TOTAL</b>	<b>15 -16</b>

#### SOPHOMORE (SPRING)

Course Number	Credits
MTH 208 Statistics (QR, IL)	3
Liberal Arts Core (Literature)	3
Liberal Arts Core (Bible-based)	3
CJU 220 Criminal Law	3
CSC 245 Networking Fundamentals (even)	3
E-term	3
<b>TOTAL</b>	<b>18</b>

#### JUNIOR (FALL)

Course Number	Credits
Writing Intensive (WI) (grade of "C" or higher required)	3
BUS 308 Business Communication (GA)	3
BUS 325 Advanced Computer Applications	3
CSC 345 Advanced Networking (even)	3
CSC 435 Cybersecurity (even)	3
Liberal Arts Core (Activity)	1
<b>TOTAL</b>	<b>16</b>

#### JUNIOR (SPRING)

Course Number	Credits
CSC 312 Computer Organization	3
BUS 430 Management Information Systems (odd)	3
CSC 340 Visual Basic for Applications (odd)	3
CSC 350 Operating Systems (odd)	3
CSC 445 Digital Forensic and Cybercrime (odd)	3
Liberal Arts Core (Fine Arts)	3
<b>TOTAL</b>	<b>18</b>

#### SENIOR (FALL)

Course Number	Credits
Speaking Intensive (SI) (grade of "C" or higher required)	3
CSC 455 Systems Analysis and Design (odd)	3
PHI 211 Ethics	3
Liberal Arts Core (History)	3
Liberal Arts Core (Lab Science - needed only if did not take GEO-221)	4
<b>TOTAL</b>	<b>13</b>

#### SENIOR (SPRING)

Course Number	Credits
CSC 498 Senior Research Seminar (WI) (grade of "C" or higher required)	3
CSC 401 Database Theory (even)	3
Liberal Arts Core (HIS 102, GA, IL, QR)	3
Liberal Arts Core (Social Science)	3
Elective to Reach 121 Required Hours	1-2
<b>TOTAL</b>	<b>13 -14</b>

**TOTAL HOURS REQUIRED FOR B.S. IN COMPUTER TECHNOLOGY AND INFORMATION SYSTEMS – Networks & Cybersecurity: 121**