



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
TOTAL	13

FRESHMAN (SPRING)

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

SOPHOMORE (FALL)

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

SOPHOMORE (SPRING)

Course Number	Credits
MTH 208 Introductory Statistics	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
TOTAL	18

JUNIOR (FALL)

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

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
TOTAL	18

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
TOTAL	13

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 (History)	3
Liberal Arts Core (Social Science)	3
Elective to Reach 121 Required Hours	1-2
TOTAL	13 -14

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