



Ferrum College Eight-Semester Plans

FERRUM COLLEGE B.S. DEGREE IN COMPUTER TECHNOLOGY AND INFORMATION SYSTEMS – Web Design and Programming Languages for Applications

FRESHMAN (FALL)

Course Number	Credits
BUS 230 or CSC 100	3
CSC 125 Concepts in Computer Info Systems	3
MTH 100 Intermediate Algebra	3
GWS 101 Freshmen Gateway Seminar	2
ENG 101 Composition and Rhetoric (grade of "C" or higher required)	3
TOTAL	14

FRESHMAN (SPRING)

Course Number	Credits
ART 222 Basic Computer Graphics	3
CSC 230 Web Design	3
MTH 111 Pre-Calculus I (grade of "C" or higher required)	3
ECO 202 Microeconomics	3
ENG 102 Composition and Rhetoric (grade of "C" or higher required)	3
TOTAL	15

SOPHOMORE (FALL)

Course Number	Credits
CSC 229 Program & Algorithm Design	3
MTH 234 Mathematical Reasoning	3
ACC 110 Introduction to Accounting	3
Liberal Arts Core (Literature)	3
Liberal Arts Core (Lab Science)	4
TOTAL	16

SOPHOMORE (SPRING)

Course Number	Credits
CSC 235 (even) or CSC 310 (odd)	3
MTH 243 Discrete Math	3
Writing Intensive (WI) (grade of "C" or higher required)	3
Liberal Arts Core (REL/PHI)	3
CSC 245 Networking Fundamentals (even)	3
E-term	3
TOTAL	18

Junior (Fall)

Course Number	Credits
BUS 325 Advanced Computer Applications	3
CSC 320 Programming C++	3
BUS 308 Business Communications	3
MTH 208 Introductory Statistics	3
Speaking Intensive (SI) (grade of "C" or higher required)	3
TOTAL	15

JUNIOR (SPRING)

Course Number	Credits
CSC 235 (even) or CSC 310 (odd)	3
CSC 340 Visual Basic for Applications (odd)	3
CSC 312 Computer Organization	3
CSC 321 Data Structures (even)	3
Elective to Reach 121 Required Hours	3
TOTAL	15

SENIOR (FALL)

Course Number	Credits
Liberal Arts Core (Bible-based)	3
Liberal Arts Core (History)	3
BUS 318 Electronic Commerce	3
CSC 455 Systems Analysis and Design	3
Liberal Arts Core (Lab Science)	2
TOTAL	14

SENIOR (SPRING)

Course Number	Credits
CSC 498 Senior Seminar in Computer Info (grade of "C" or higher required) (WI)	3
Liberal Arts Core (History)	3
BUS 430 Management Information Systems (odd)	3
CSC 401 Database (even)	3
Liberal Arts Core (Activity)	1
Elective to Reach 121 Required Hours	1
TOTAL	14

**TOTAL HOURS REQUIRED FOR B.S. DEGREE IN IN COMPUTER TECHNOLOGY AND INFORMATION SYSTEMS –
Web Design and Programming Languages for Applications: 121**