

Four Year Curriculum Plan Template, Fall 2016

Major: SI20 - BS, Computer and Info Tech

Area of Emphasis: SI22 - Computer Application Development

Year One

Fall Semester

IST 150 Spreadsheet & Database Prin 3 hours
Phys or Nat Science: IST111 Living Systems or BSC104 Introduction to Biology 4 hours
Social Science: w/ MC or Intl (CT) 3 hours
Composition: ENG101 Beginning Composition (or equivalent) - or ENG200H 3 hours
MTH Prerequisite (if necessary) or Free Elective 3 hours

Recommended Hours:16 hours

Spring Semester

Composition: ENG201 Advanced Composition - or ENG200H 3 hours
CIT 163 Programming Practicum 3 hours
Phys or Nat Science: w/Lab 4 hours
FYS 100: FYS100 First Yr Sem Critical Thinking 3 hours
Communication: CMM103 Fund Speech-Communication - or CMM104H 3 hours

Recommended Hours:16 hours

Year Two

Fall Semester

CIT 236 Data Structures 3 hours
CIT 263 Web Programming 3 hours
CIT 260 Instrumentation 3 hours
MTH160 Applied Math Reasoning (CT) 5 hours
Fine Arts: ART112, MUS142, MUS200, MUS210, or THE112 3 hours

Recommended Hours:17 hours

Spring Semester

CIT 238 Algorithms 3 hours
IST 264 Tech Foundations 3 hours
Mathematics: MTH140 Applied Calculus 3 hours
CIT 313 Web Programming II 3 hours
ART214 Propaganda/Surface 2D Images 3 hours

Recommended Hours:16 hours

Year Three

Fall Semester

CIT 332 Software Engineering I 3 hours
CIT 352 Network Protocols 3 hours
CIT 365 Database Systems 3 hours
CIT 265 C# Programming 3 hours
IST224 Intro to Forensic Science 4 hours

Recommended Hours:16 hours

Spring Semester

CIT 333 Software Engineering II 3 hours
CIT 3xx-4xx Tech Elective (Programming Related) 3 hours
CIT 410 Electronic Commerce 3 hours
Free Elective 3 hours
Humanities or Literature: as Writing Intensive 3 hours

Recommended Hours: 15 hours

Year Four

Fall Semester

CIT 466 Database Programming 3 hours
IST 423 GIS and Data Systems 3 hours
Free Elective 3 hours
MGT 320: Principles of Management 3 hours
Free Elective 3 hours

Recommended Hours:15 hours

Spring Semester

CIT 3xx-4xx Tech Elective (Programming Related) 3 hours
CIT 3xx-4xx Tech Elective (Programming Related) 3 hours
Writing Intensive Course 3 hours
Capstone: IST 491 - Senior Project II or IST 470 Internship 3 hours

Recommended Hours:12 hours