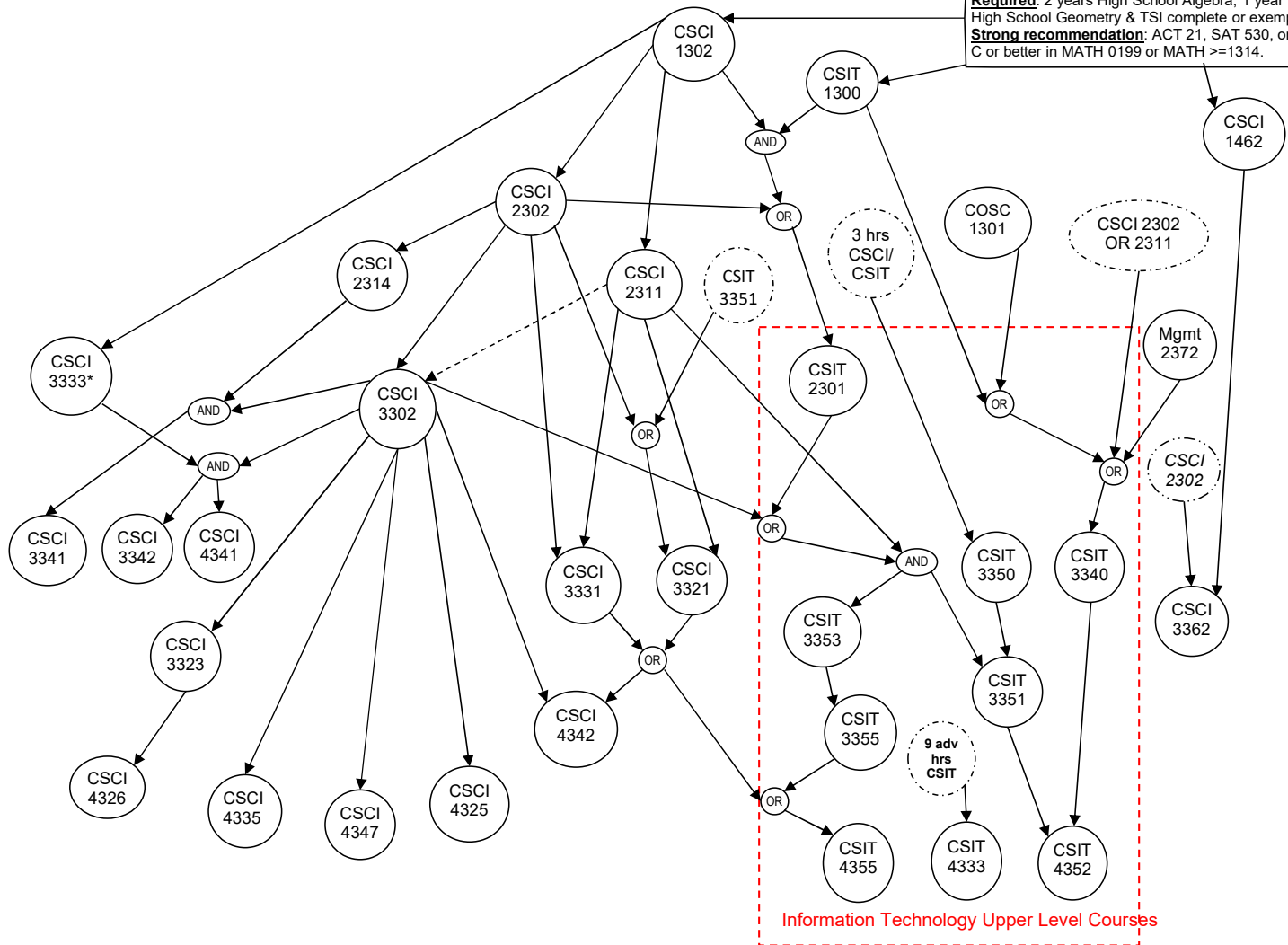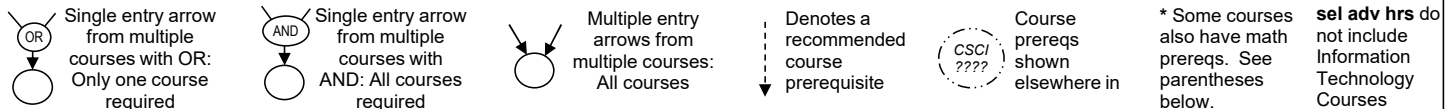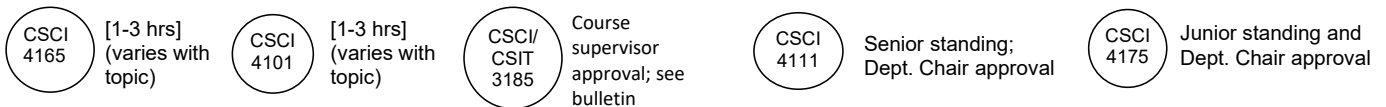**Required**: 2 years High School Algebra, 1 year High School Geometry & TSI complete or exempt
Strong recommendation: ACT 21, SAT 530, or a C or better in MATH 0199 or MATH >=1314.

Information Technology Upper Level Courses

CSCI 4165 [1-3 hrs] (varies with topic)

CSCI 4101 [1-3 hrs] (varies with topic)

CSCI/CSIT 3185 Course supervisor approval; see bulletin

CSCI 4111 Senior standing; Dept. Chair approval

CSCI 4175 Junior standing and Dept. Chair approval

OR — Single entry arrow from multiple courses with OR: Only one course required

AND — Single entry arrow from multiple courses with AND: All courses required

Multiple entry arrows from multiple courses: All courses

Denotes a recommended course prerequisite

CSCI ???? Course prereqs shown elsewhere in

* Some courses also have math prereqs. See parentheses below.

sel adv hrs do not include Information Technology Courses

COSC 1301 Introduction to Computing
CSCI 1302 Computer Science Principles
CSCI 1462 Introduction to Data Analytics
CSCI 2302 Computer Programming Principles
CSCI 2311 Event-Driven Programming
CSCI 2314 Computer Organization and Architecture
CSCI 3302 Data Structures
CSCI 3321 Client Server Web Programming
CSCI 3323 Software Engineering
CSCI 3331 Object-Oriented Programming Methods
CSCI 3333 Discrete Structures for Computer Science
　　　　　(MATH 1314, 1324, 2211, or 2313)
CSCI 3341 Principles of Operating Systems
CSCI 3342 Algorithm Analysis
CSCI 3362 Data Analytics & Machine Learning
　　　　　(Corequisite MATH 3325 or 3365)
CSCI 3185 Internship in Computer Science
CSCI 4101 Contemporary Topics in Computer Science
CSCI 4111 Ethics in Computer Science
CSCI 4165 Research in Computing

CSCI 4175 Special Problems
CSCI 4325 Database Management Systems
CSCI 4326 Senior Design (Senior Standing)
CSCI 4335 Computer Networking
CSCI 4341 Formal Languages
CSCI 4342 Organization of Programming Languages
CSCI 4347 Cyber Security Concepts and Practices

CSIT 1300 Introduction to Problem Solving
CSIT 2301 Introduction to Information Technology
CSIT 3185 Internship in Information Technology
CSIT 3340 Application Software for Microcomputers
CSIT 3350 Internet Technologies
CSIT 3351 Internet Programming Concepts
CSIT 3353 System Administration
CSIT 3355 Network Administration
CSIT 4333 IT Project Management
CSIT 4352 Database Application Development
CSIT 4355 Enterprise Security