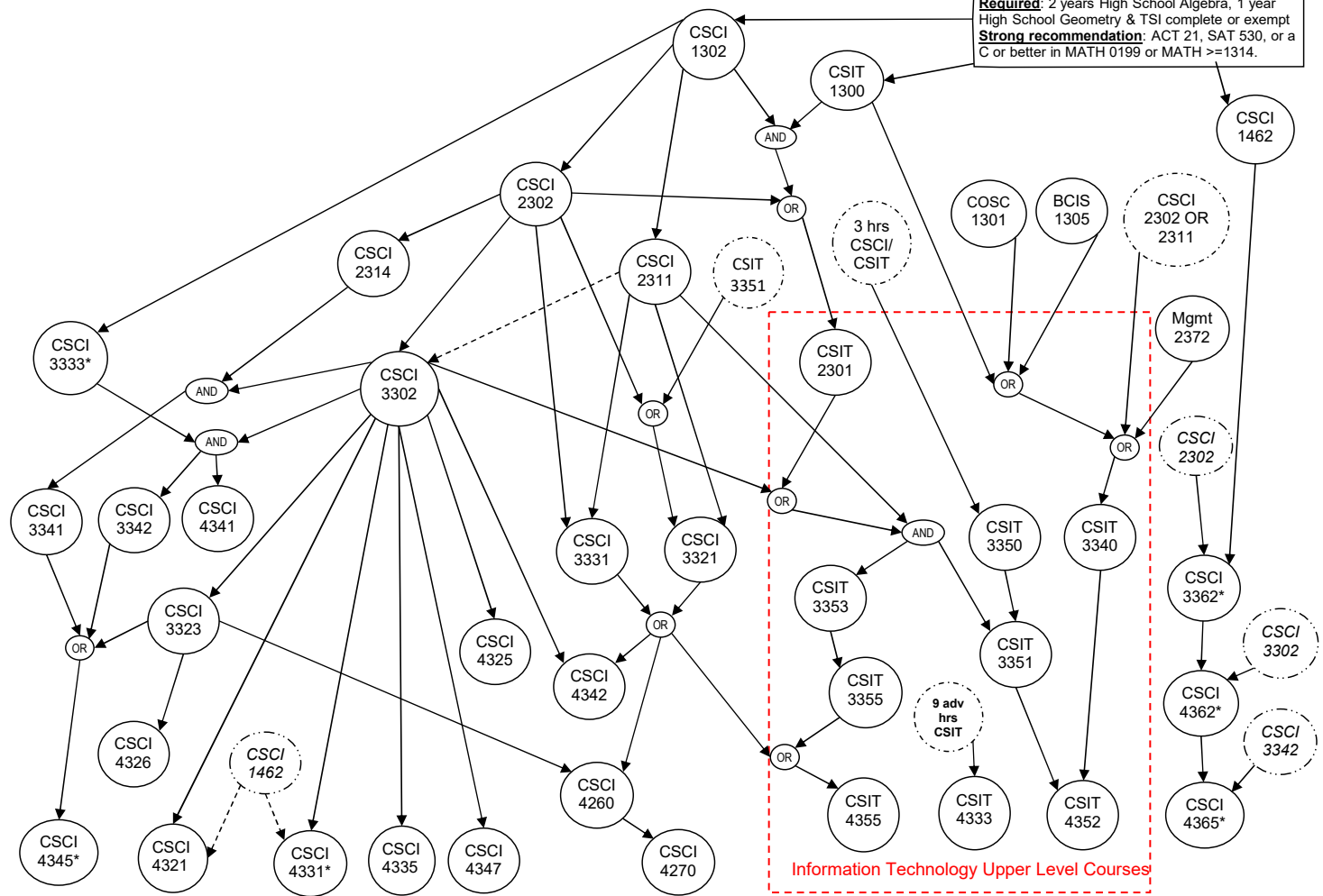


**Required:** 2 years High School Algebra, 1 year High School Geometry & TSI complete or exempt  
**Strong recommendation:** ACT 21, SAT 530, or a C or better in MATH 0199 or MATH >=1314.



- CSCI 3101** [1-3 hrs] (varies with topic)
- CSCI 4101** [1-3 hrs] (varies with topic)
- CSCI/CSIT 3185** Course supervisor approval; see bulletin for
- CSCI 4111** 18 hrs. CSCI (4312 - or CSIT), 6 adv. hrs CSCI (4312 - or CSIT), and Dept. Chair approval
- CSCI 4175** Junior standing and Dept. Chair approval

	Single entry arrow from multiple courses with OR: Only one course required		Single entry arrow from multiple courses with AND: All courses required		Multiple entry arrows from multiple courses: All courses required		Denotes a recommended course prerequisite		Course prereqs shown elsewhere in this document.		* Some courses also have math prereqs. See parentheses below.		sel adv hrs do not include Information Technology Courses
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|---|---|
| <p>BUSI 1305 Introduction to Information Processing Systems</p> <p>cosc 1301 Introduction to Computing</p> <p>CSCI 1302 Computer Science Principles</p> <p>CSCI 1462 Introduction to Data Analytics</p> <p>CSCI 2302 Computer Programming Principles</p> <p>CSCI 2311 Event-Driven Programming</p> <p>CSCI 2314 Computer Organization and Architecture</p> <p>CSCI 3101 A Contemporary Programming Language</p> <p>CSCI 3302 Data Structures</p> <p>CSCI 3321 Client Server Web Programming</p> <p>CSCI 3323 Software Engineering</p> <p>CSCI 3331 Object-Oriented Programming Methods</p> <p>CSCI 3333 Discrete Structures for Computer Science (MATH 1314, 1324, 2211, or 2313)</p> <p>CSCI 3341 Principles of Operating Systems</p> <p>CSCI 3342 Algorithm Analysis</p> <p>CSCI 3362 Data Analytics I (MATH 3325)</p> <p>CSCI 3185 Internship in Computer Science</p> <p>CSCI 4101 Contemporary Topics in Computer Science</p> <p>CSCI 4111 Ethics in Computer Science</p> <p>CSCI 4175 Special Problems</p> <p>CSCI 4260 Senior Design I (Dept. Chair Approval)</p> <p>CSCI 4270 Senior Design II</p> <p>CSCI 4312 Computer Science Practicum</p> | <p>CSCI 4321 Applied Operations Research (MATH 1325 or 2313; CSCI 1462 or MATH 1342)</p> <p>CSCI 4325 Database Management Systems</p> <p>CSCI 4326 Requirements Engineering and System Modeling</p> <p>CSCI 4331 System Simulation and Model Building (MATH 1325 or 2313; CSCI 1462 or MATH 1342)</p> <p>CSCI 4333 IT Project Management</p> <p>CSCI 4335 Teleprocessing and Data Communications</p> <p>CSCI 4341 Formal Languages</p> <p>CSCI 4342 Organization of Programming Languages</p> <p>CSCI 4345 Computer Graphics (MATH 1316)</p> <p>CSCI 4347 Cyber Security Concepts and Practices</p> <p>CSCI 4362 Data Analytics II (MATH 3340 or STAT 3342)</p> <p>CSCI 4365 Capstone Project in Data Analytics (Dept. Chair Approval)</p> <p>CSIT 1300 Introduction to Problem Solving</p> <p>CSIT 2301 Introduction to Information Technology</p> <p>CSIT 3340 Application Software for Microcomputers</p> <p>CSIT 3350 Internet Technologies</p> <p>CSIT 3351 Internet Programming Concepts</p> <p>CSIT 3353 System Administration</p> <p>CSIT 3355 Network Administration</p> <p>CSIT 4333 IT Project Management</p> <p>CSIT 4352 Database Application Development</p> <p>CSIT 4355 Enterprise Security</p> |
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