Minor in Computer Science

GOALS AND BASIC REQUIREMENTS
Students have an opportunity to complete a minor in Computer Science that provides a secondary area of expertise in support of their major. The minor may be tailored to go deeply into programming or sample selected theoretical or applied areas within Computer Science. **At least two of the four electives chosen must have course numbers of 300 or higher.** Students may choose electives from undergraduate or graduate level Computer Science courses for which they have the appropriate prerequisites. The minor in Computer Science consists of **at least 15 semester hours; all course counting toward this minor must be taken from Computer Science at RIT. At least 9 semester hours must be from CS courses not required by a student's home department.** To earn this minor, students **must** obtain a minimum GPA of 2.00 in the minor courses. Credits earned from other sources (e.g., AP or courses taken elsewhere) **do not apply** to this minor, but may serve to satisfy prerequisites.

PREREQUISITES
The minor advisor evaluates other courses to determine if prerequisites have been satisfied.

CSCI 141 (Computer Science I) and CSCI 142 (Computer Science II) or other equivalent two-course introductory programming sequences
MATH 181 (Project-Based Calculus I) and MATH 182 (Project-Based Calculus II) or other equivalent two-course Calculus sequences
MATH 190 (Discrete Mathematics for Computing) or other equivalent Discrete Mathematics courses

1) The following course sequences are automatically accepted in place of CSCI 141/142: (a) ISTE 120/121, (b) IGME 105/106, (c) CPET 121/321
2) The following course sequence is automatically accepted in place of MATH 181/182: (a) MATH 171/172/173, (b) MATH 181A/182A.
3) The following courses are automatically accepted in place of MATH 190: (a) MATH 200, (b) MATH 131.

WARNING
Although we accept alternative programming sequences as acceptable prerequisites, they may not provide background equivalent to CSCI 141 and CSCI 142. Students who might be interested in more theoretical Computer Science courses or who might consider a double major involving Computer Science should only take MATH 190 or MATH 200 for discrete mathematics and should only take CSCI 141 and CSCI 142.

REQUIRED COURSE
CSCI 243 (The Mechanics of Programming)

ELECTIVES/EXCLUSIONS
Choose four undergraduate or graduate level Computer Science courses (in some cases, a graduate level course should not be selected if you have had a similar undergraduate course).

PLEASE NOTE: Students pursuing a minor in Computer Science are not guaranteed seats in Computer Science courses. Most courses are initially restricted to Computer Science majors only and then are opened to other majors. We do our best to accommodate students into our courses. Given the demand for introductory Computer Science courses, we do not officially declare students for the minor until they have completed CSCI 243.
### CERTIFICATION AREA

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<th>Course Number/Course Name</th>
<th>Term</th>
<th>Units</th>
<th>Grade</th>
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<td>CSCI 141 (Computer Science I)</td>
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**Approved Exceptions to Prerequisite/Required Courses**

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**Computer Science Electives**

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*Denotes 300 level or higher electives.

The following courses may **not** be used for the minor:

- CMPR 271 Computational Problem Solving for Engineers
- CSCI 471 Professional Communications
- CSCI 488 CS Undergraduate Summer Co-op
- CSCI 499 CS Undergraduate Semester Co-op
- CSCI 571 Honors Capstone Research
- CSCI 602 Intersession Advanced C++ and Program Design
- CSCI 604 Intersession Advanced Java Programming
- CSCI 605 Advanced Object-Oriented Programming Concepts
- CSCI 660 Intersession Foundations of Computer Science
- CSCI 686 Graduate Professional Seminar
- CSCI 687 Graduate Research Seminar
- CSCI 699 CS Graduate Semester Co-op
- CSCI 788 Computer Science MS Project
- CSCI 790 Computer Science MS Thesis
- CSCI 888 CS Graduate Summer Co-op

**Minor Advisor** - Henry A. Etlinger, Undergraduate Program Coordinator ([hae@cs.rit.edu](mailto:hae@cs.rit.edu))

**Minor Support Person** – Donald Denz, Academic Advisor ([don@cs.rit.edu](mailto:don@cs.rit.edu))

**Computer Science Student Services Office** - GOL 3005; general phone number 585-475-2995

This certifies that the Computer Science minor has been completed by the student named above.

Signature of Minor Advisor ___________________________ Date ______________