Minor in Computer Science

Name________________________________________ Email________________________________________

University ID_________________________________________ Academic Plan________________ Date____________

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), MATH 200 (Discrete Mathematics and Introduction to
Proof), or MATH 131 (Discrete Mathematics) or other equivalent Discrete Mathematics courses

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).

The following courses may not be used for the minor:

CMPR 271 Computational Problem Solving for Engineers CSCI 605 Advanced Object-Oriented Programming
CSCI 101 Principles of Computing Concepts
CSCI 471 Professional Communications CSCI 660 Intersession Foundations of Computer Science
CSCI 488 CS Undergraduate Summer Co-op Science Theory
CSCI 499 CS Undergraduate Semester Co-op CSCI 686 Graduate Professional Seminar
CSCI 571 Honors Capstone Research CSCI 687 Graduate Research Seminar
CSCI 602 Intersession Advanced C++ and Program CSCI 699 CS Graduate Semester Co-op
Design CSCI 788 Computer Science MS Project
CSCI 603 Computational Problem Solving CSCI 790 Computer Science MS Thesis
CSCI 604 Intersession Advanced Java Programming CSCI 888 CS Graduate Summer Co-op

Revised 2/12/15 Effective for Fall 2015
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

<table>
<thead>
<tr>
<th>Prerequisite/Required Courses</th>
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<tbody>
<tr>
<td><strong>Course Number/Course Name</strong></td>
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<tr>
<td>CSCI 141 (Computer Science I)</td>
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<td>CSCI 243 (The Mechanics of Programming)</td>
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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.
3) The following courses are automatically accepted in place of MATH 190: (a) MATH 200, (b) MATH 131.

Approved Exceptions to Prerequisite/Required Courses

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<tr>
<th>Course Number/Course Name</th>
<th>Term</th>
<th>Units</th>
<th>Grade</th>
<th>Approved by</th>
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Computer Science Electives

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<th>Grade</th>
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Minor Advisor - Henry A. Etlinger, Undergraduate Program Coordinator (hae@cs.rit.edu)

Minor Support Person - Liane Fitzgerald, Manager of Student Services (liane@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

Revised 2/12/15                           Effective for Fall 2015