

**Computer Science, Bachelor of Science, minor required  
(Beginning with COMPSCI 171 and MATH 152)  
(Fall 2012 Requirements)**

\*Not an official document. Refer to Advising Report for full requirements.  
Sample Advising Reports available on-line <http://www.uww.edu/registrar/ars/index.html>

Major Planning Guides are sample programs which illustrate the type of curriculum a student will take to complete the degree in 4 years.

All students must complete a minimum of 120 credits including

- 1) at least 32 units of general education, including specific Gened courses, as well as approved math and science, physical education and elective courses
- 2) requirements for the BA or BS Degree,
- 3) requirements for the major and for the minor if required.

\* ACT/SAT scores determine which Math and English course is appropriate for you. Refer to your AR for this information and then adjust this schedule accordingly. Math 152 is not required for students with Calculus Placement. CompSci 171 can be waived for students with previous programming experience. The Planning Guide begins with the most common placement for this major.

\*\* The Bachelor of Science requires two lab sciences and 5 credits of advanced math or 3 of math and 3 of computer science. This Planning sheet will use Math 152 Elementary Functions for the math requirement.

Courses in **bold** typeface indicate specific courses that must be completed for the major. Other courses such as Gened Courses or major/minor electives can be selected from a number of course choices.

<b>Freshman Year</b>	
English 101* Freshman English—3 units	English 102* Freshman English—3 units
<b>CompSci 171* Introduction to Programming – 3 units</b>	<b>CompSci 172 Intro to Java or CompSci 174 Intro to C++ – 3 units</b>
Math 152* Elementary Functions – 5 units	<b>Math 253 Calculus with Analytic Geometry I – 5 units</b>
Lab Science (GL) – 4 units	Gened 130 Individual and Society—3 units
Intra-university 104 New Student Seminar—1 unit	PE General 192 Personal Health—1 unit
<b>Semester 1: 16-17 units</b>	<b>Semester 2: 15 units</b>

<b>Sophomore Year</b>	
<b>CompSci 220 Intermed Java or CompSci 222 Intermed C++ – 3 units</b>	<b>CompSci 223 Data Structures – 3 units</b>
<b>CompSci 271 Assembly Programming – 3 units</b>	<b>CompSci 412 Computer Organization – 3 units</b>
<b>Math 280 Discrete Mathematics – 3 units</b>	Gened 120 Historical Perspectives or 140 Global Perspectives—3 units
Gened 110 World of the Arts—3 units	Comm 110 Intro. to Human Communication—3 units
Minor Course—3 units	Minor Course—3 units
<b>Semester 1: 15 units</b>	<b>Semester 2: 15 units</b>

<b>Junior Year</b>	
<b>CompSci 433 Algorithms or CS Emphasis Course or CS Elective – 3 units</b>	<b>CS Emphasis Course or CS Elective – 3 units</b>
<b>CS Emphasis Course or CS Elective – 3 units</b>	General Ed elective (GA, GE, GH, GI, or GS) —3 units
Lab Science (GL)** – 4-5 units	<b>English 370 Adv Comp or English 372 Tech &amp; Scientific Writing – 3 units</b>
Gened 390 World of Ideas—3 units	Minor Course—3 units
Minor Course—3 units	Minor Course—3 units
<b>Semester 1: 16-17 units</b>	<b>Semester 2: 15 units</b>

<b>Senior Year</b>	
<b>CompSci 433 Algorithms or CS Emphasis Course or CS Elective – 3 units</b>	<b>CS Emphasis Course or CS Elective – 3 units</b>
<b>CompSci 476 Software Engineering – 3 units</b>	General Ed elective (GA, GE, GH, GI, or GS) —4 units
<b>CS Emphasis Course or CS Elective – 3 units</b>	Minor Course—3 units
Diversity Course —3 units	Minor Course—3 units
<b>Semester 1: 15 units</b>	<b>Semester 2: 13 units</b>

Department Website: <http://cs.uww.edu/>

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