

**Computer Science, Bachelor of Arts, 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 Foreign Language requirement for the Bachelor of Arts may be waived by successful completion of 2 years of the same language in High School. If the language requirement is waived, the units for these classes will need to be replaced with elective courses.

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.

Freshman Year	
English 101* Freshman English—3 units	English 102* Freshman English—3 units
CompSci 171* Introduction to Programming – 3 units	CompSci 172 Intro to Java or CompSci 174 Intro to C++ – 3 units
Math 152 Elementary Functions —5 units	Math 253 Calculus with Analytic Geometry I – 5 units
Foreign Language**(GH) – 4 units	Foreign Language**(GH) – 4 units
Intra-university 104 New Student Seminar—1 unit	Gened 130 Individual and Society—3 units
Semester 1: 16 units	Semester 2: 18 units

Sophomore Year	
CompSci 220 Intermed Java or CompSci 222 Intermed C++ – 3 units	CompSci 223 Data Structures – 3 units
CompSci 271 Assembly Programming – 3 units	CompSci 412 Computer Organization – 3 units
Math 280 Discrete Mathematics – 3 units	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
PE General 192 Personal Health—1 unit	
Semester 1: 16 units	Semester 2: 15 units

Junior Year	
CompSci 433 Algorithms or CS Emphasis Course or CS Elective – 3 units	CS Emphasis Course or CS Elective – 3 units
CS Emphasis Course or CS Elective – 3 units	General Ed elective (GA, GE, GH, GI, or GS) —3 units
Lab Science (GL) – 4-5 units	English 370 Adv Comp or English 372 Tech & Scientific Writing – 3 units
Gened 390 World of Ideas—3 units	Minor Course—3 units
Minor Course—3 units	Minor Course—3 units
	Diversity Course – 3 units
Semester 1: 16-17 units	Semester 2: 18 units

Senior Year	
CompSci 433 Algorithms or CS Emphasis Course or CS Elective – 3 units	CS Emphasis Course or CS Elective – 3 units
CompSci 476 Software Engineering – 3 units	General Ed elective (GA, GE, GH, GI, or GS) —4 units
CS Emphasis Course or CS Elective – 3 units	Minor Course—3 units
Minor Course—3 units	Minor Course—3 units
BA Breadth Elective – 3 units	BA Breadth Elective – 3 units
Semester 1: 15 units	Semester 2: 16 units