



**Sample 4 Year Plan (Fall 2015 Requirements)
Computer Science, General
Bachelor of Science COLLEGE OF LETTERS AND SCIENCES**

The 4 year Plan illustrates the type of curriculum a new freshman would take to complete a degree in 4 years; it is not an official document. Refer to Academic Advising Report for full requirements.

Sample Academic Advising Reports are available on-line at

<http://www.uww.edu/registrar/sample-aars-and-ars/sample-aars-undergraduate>.

1 st Semester	Units	2 nd Semester	Units
English 101 Freshman English	3	English 102 Freshman English	3
CompSci 170 Intro to Python Programming OR CompSci 171 Intro to VB Programming	3	CompSci 172 Intro to Java OR CompSci 174 Intro to C++	3
Math 152 Elementary Functions	5	Math 253 Calculus & Analytical Geometry I	5
Lab Science	4-5	GENED Core	3
Intrauniversity 104 New Student Seminar (Recommended)	1	PEGNRL Personal Health & Fitness	1
Semester Total	16-17	Semester Total	15
3 rd Semester	Units	4 th Semester	Units
CompSci 220 Intermed Java OR CompSci 222 Intermed C++	3	CompSci 223 Data Structures	3
CompSci 271 Assembly Programming	3	CompSci 412 Computer Organization	3
CompSci 215 Discrete Structures OR Math 280 Discrete Math	3	GENED Core	3
GENED Core	3	Comm 110 Intro to Human Communication	3
Minor Course	3	Minor Course	3
Semester Total	15	Semester Total	15
5 th Semester	Units	6 th Semester	Units
CompSci 433 Algorithms OR CompSci Emphasis Course OR CompSci Elective	3	CompSci Emphasis Course OR CompSci Elective	3
CompSci Emphasis Course OR CompSci Elective	3	General Ed Elective	3
Lab Science	4-5	English 370 Adv Comp OR English 372 Tech & Scientific Writing	3
Gened 390 World of Ideas	3	Minor Course	3
Minor Course	3	Minor Course	3
Semester Total	16-17	Semester Total	15
7 th Semester	Units	8 th Semester	Units
CompSci 433 Algorithms OR CompSci Emphasis Course OR CompSci Elective	3	CompSci Emphasis Course OR CompSci Elective	3
CompSci 476 Software Engineering	3	General Ed Elective	4
CompSci Emphasis Course OR CompSci Elective	3	Minor Course	3
Minor Course	3	Minor Course	3
U.S. Racial & Ethnic Diversity Course	3		
Semester Total	15	Semester Total	13

Department Website: http://cs.uww.edu/?page_id=6

Transfer students may have different general education requirements than those listed. Refer to your Advising Report for requirements specific to you.

General Degree Notes

You must begin your Math and English sequences with the appropriate course. The English course you start with will be determined by your ACT/SAT score. The Math course you start with will be determined by your UW Math Placement score. Please refer to your Academic Advising Report and adjust the sample 4 year plan accordingly.

All students must complete a minimum of 120 credits including:

- 1) At least 32 units of general education, including specific Gen Ed core courses, as well as approved math and science, physical education, and elective courses. Your general education electives must come from the following categories: GA, GS, GH, GE, or GI.
- 2) All requirements for the BA or BS Degree.
- 3) All requirements for the major and minor (if required).

College of Letters and Sciences Degree Notes

This plan includes Bachelor of Science (BS) requirements. For the BS, students must complete two lab sciences **and** 5 credits of advanced math or two 3 credit courses chosen from advanced math, statistics or computer science instead of the BA requirements.

A Bachelor of Arts (BA) is also available. For the BA, students must demonstrate that they have achieved basic competency in a foreign language equivalent to one year of study at the college level. Students must also complete two 300/400 level courses outside of the major and minor subjects.

Major Notes

The Planning Guide begins with the most common placement for this major but students who place lower may need additional math credits.

Students cannot take Computer Science courses numbered 170 or higher until they pass Math 141 Fundamentals of College Algebra or they have been placed into a more advanced mathematics course (Math 143, 152, or 253).

Math 152 is not required for students with Calculus Placement. CompSci 170 or 171 can be waived for students with previous programming experience or Calculus Placement.

Courses in **bold** typeface indicate specific courses that must be completed for the major.