



**Sample 4 Year Plan (Fall 2015 Requirements)
Chemistry, Biochemistry Emphasis
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
Chemistry 102 Intro to Chemistry I	5	Chemistry 104 Intro to Chemistry II	5
Math 152 Elementary Functions	5	Math 253 Calculus & Analytical Geometry I	5
English 101 Freshman English	3	English 102 Freshman English	3
Biology 141 Biology I	5	Biology 142 Intro Biology II	5
Semester Total		Semester Total	
18		18	
3 rd Semester	Units	4 th Semester	Units
Chemistry 251 Organic Chemistry I	3	Biology 253 Intro to Cell Biology	3
Chemistry 261 Organic Chemistry Lab I	2	Physics 141 OR Physics 181	5
Math 254 Calculus & Analytical Geometry II	5	GENED Core	3
Physics 140 OR Physics 180	5	Comm 110 Intro to Human Communication	3
Chemistry 184 Introduction to Chemistry	1	PEGNRL Personal Health & Fitness	1
Semester Total		Semester Total	
16		15	
5 th Semester	Units	6 th Semester	Units
Chemistry 352 Quantitative Analysis	5	Chemistry 456 Biochemistry of Metabolism & Signaling	3
Chemistry 484 Topics in Chemistry	1	Chemistry 458 Research in Biochemistry	2
Chemistry 454 Biochemistry of Macromolecules	3	Biology 251 Genetics	4
GENED Core	3	Gened 390 World of Ideas	3
GENED Core	3	General Ed Elective	3
Semester Total		Semester Total	
16		15	
7 th Semester	Units	8 th Semester	Units
Chemistry 370 Physical Chemistry I	3	Chemistry Elective #2	4
Chemistry 260 Introduction to Inorganic Chemistry	4	General Ed Elective	3
Chemistry Elective #1	3	Elective Course	3
General Ed Elective	3	Elective Course	3
U.S. Racial & Ethnic Diversity Course	3		
Semester Total		Semester Total	
16		13	

Department Website: <http://www.uww.edu/cls/chemistry>

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.

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.

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