ABOUT THE PROGRAM

The Bachelor of Science degree in chemistry is approved and certified by the American Chemical Society (ACS), a distinction which ensures a high-quality program of study empowering its graduates to be successful in a competitive job market. DelVal is one of a few small, private universities to receive this accreditation. The Department of Chemistry boasts a 3:1 student-to-faculty ratio, allowing for faculty mentoring, faculty/student research and one-on-one academic relationships. A high-quality program in chemistry not only establishes a strong scientific foundation that meets the demands of a career at the baccalaureate level, but also provides the background to pursue advanced studies at the graduate level. The curriculum at DelVal fulfills this need by encompassing the traditional areas of chemistry (analytical, biochemical, general, inorganic, organic and physical), as well as advanced coursework in mathematics and physics.

CAREER OPPORTUNITIES

With 100 percent of our students having real-world, hands-on experience, graduates with a degree in chemistry are able to:

- Attend medical school or veterinary school
- Pursue a graduate degree in chemistry
- Pursue a career in the chemical, pharmaceutical, biotechnology or food manufacturing industry
- Many are able to attend graduate school tuition-free with a teaching assistantship or research fellowship

THE EXPERIENCE360 PROGRAM

The Experience360 Program (E360) is central to a DelVal education and embraces a full range of activities and opportunities that give our students well-rounded experiences that can’t be found anywhere else. This approach prepares our students for a life of meaningful work, service and career growth. Integrating knowledge and experience, they’ll be prepared to put their skills into action as globally responsible citizens. One hundred percent of our students will gain real-world competencies through internships, career exploration, student research, study abroad, leadership development, community service or civic engagement.

ABOUT DELVAL

Delaware Valley University, an independent, comprehensive university of more than 1,000 acres in Bucks and Montgomery counties, features individualized attention and emphasizes experiential and interdisciplinary learning. Located in Doylestown, Pennsylvania, DelVal offers more than 25 undergraduate majors, six master’s programs, a doctoral program, and a variety of adult education courses.

FACILITIES

- New Life Sciences Building with seven classrooms and four multipurpose labs
- Four renovated laboratories
- Modern equipment integrated with information technology

“The entire chemistry department has influenced me and shaped me into the person I’ve become. Every professor has encouraged me to pursue my goals and has given me every opportunity to do so.” — Sarah Vezzetti ’15
This is a recommended course sequence. It is not a complete course listing and is subject to change.

**Freshman Year**

**First Semester**

- CH 1103 - General Chemistry I 3 credits
- CH 1103L - General Chemistry I Laboratory 1 credit
- EN 1101 - English I 3 credits
- FY 9900 - DelVal Experience I 1 credit
- LA 2005 - Speech 3 credits
- MP 1203 - Elementary Functions 3 credits

Total: 15 Credits

**Second Semester**

- CH 1203 - General Chemistry II 3 credits
- CH 1203L - General Chemistry II Laboratory 1 credit
- EN 1201 - English II 3 credits
- IT 1011 - Information Technology Concepts 1.5 credits
- IT 1012 - Computer Applications 1.5 credits
- MP 1204 - Calculus I 4 credits
- FY 9901 - DelVal Experience II 1 credit

Total: 16 Credits

**Sophomore Year**

**First Semester**

- BA 2008 - Macroeconomics 3 credits
- CH 2120 - Organic Chemistry I 3 credits
- CH 2120L - Organic Chemistry I Laboratory 1 credit
- MP 2119 - Physics I 4 credits or
- MP 2123 - Physics Ic 4 credits
- MP 2121 - Calculus II 4 credits

Total: 15 Credits

**Second Semester**

- CH 1203 - General Chemistry II 3 credits
- CH 1203L - General Chemistry II Laboratory 1 credit
- EN 1201 - English II 3 credits
- IT 1011 - Information Technology Concepts 1.5 credits
- IT 1012 - Computer Applications 1.5 credits
- MP 1204 - Calculus I 4 credits
- FY 9901 - DelVal Experience II 1 credit

Total: 16 Credits

**Junior Year**

**First Semester**

- CH 3130 - Analytical Chemistry I 4 credits
- CH 3125 - Physical Chemistry I 3 credits
- CH 3125L - Physical Chemistry I Laboratory 1 credit
- MP 3124 - Physics IIIc 3 credits
- Social Sciences Area 3 credits
- Restricted Elective 2 credits
- Experiential Learning 1 Credit

Total: 17 Credits

**Second Semester**

- CH 2203 - Biochemistry 3 credits
- CH 2203L - Biochemistry Laboratory 1 credit
- CH 3223 - Analytical Chemistry II 4 credits
- CH 3224 - Physical Chemistry II 3 credits
- CH 2006 - Safety in the Laboratory 1 credit
- CH 3224L - Physical Chemistry II Laboratory 1 credit
- Humanities Area 3 credits
- Experiential Learning 1 Credit

Total: 17 Credits

**Senior Year**

**First Semester**

- CH 4117 - Organic Analysis 4 credits
- CH 4126 - Advanced Inorganic Chemistry 3 credits
- LA 4037 - Non-Western Societies 3 credits
- Restricted Elective 3 credits
- General Elective 3 credits
- Experiential Learning 1 Credit

Total: 17 Credits

**Second Semester**

- CH 3157 - Advanced Inorganic Laboratory 2 credits
- CH 3220 - Advanced Organic Chemistry 3 credits
- LA 1060 - Introduction to the Fine Arts 3 credits
- CH 4201 - Seminar (Chemistry) 1 credit
- CH 4241 - Advanced Physical Chemistry 3 credits
- Restricted Elective 5 credits
- Experiential Learning 1 Credit

Total: 16 Credits

**Social Science Area** select one of the following:

- LA 2012 - Introduction to Sociology 3 credits
- LA 2036 - Introduction to Psychology 3 credits
- LA 4203 - Social Psychology and Human Interaction 3 credits

**Humanities Area** select two courses from the following:

- LA 2040 - Modern History of Western Societies 3 credits
- LA 2042 - Introduction to Philosophy 3 credits
- LA 2138 - History of Western Civilization I 3 credits
- LA 1032 - American History and Government Since 1877 3 credits
- LA 4127 - United States Foreign Policy 3 credits

Total: 16 Credits