Chemistry Department

Portrait of the Major
At Thiel College, chemistry majors learn much more than just chemistry. Our majors learn to successfully grapple with daunting challenges, unravel complex concepts and think critically. They excel at quantitative reasoning through learning to proficiently analyze and interpret data. We chemists often perform mental gymnastics—come exercise your brain with us!

Curriculum Highlights
Thiel College Chemistry Department offerings are impressively interdisciplinary. Our majors include biochemistry, environmental chemistry and chemistry. Our pre-professional tracks include dentistry, medicine, optometry, pharmacy, podiatry, veterinary medicine and physician assistant. Students can pursue a 3-2 chemical engineering track or acquire secondary education certification. We have minors in biochemistry, chemistry and environmental chemistry. Our students gain hands-on experience with state-of-the-art instrumentation and apply fundamental concepts in the laboratory while acquiring theoretical and practical experience to rise to exciting challenges. Our advanced courses investigate how novel chemistry is applied in cutting-edge research.

Special Features
By studying chemistry at Thiel College, you’ll be able to:

• Prepare for success in health-care fields—Interested in a career in medicine, dentistry, pharmacy, veterinary medicine or other health fields? A background in chemistry is indispensable. A degree in biochemistry or chemistry provides a strong foundation for acceptance and success in these professional schools.
• Jumpstart a career in dentistry, medicine or pharmacy—through our early acceptance and accelerated programs with Lake Erie College of Osteopathic Medicine. See our website for more details about these and other unique programs.
• Get certified—Thiel’s Bachelor of Science in chemistry, certified by the American Chemical Society, prepares students for high profile careers in research and industry.
• Enjoy the advantages of the small-college experience—small class sizes with personalized attention from faculty. Work individually with faculty on innovative research projects. Gain experience as a lab assistant or peer tutor. Obtain internships and jobs with local companies and industries. Engage in summer research through scholarships at universities or national laboratories all around the country.

Career and Graduate School Outlook
Our graduates are prepared for an impressive range of careers in a broad range of fields as well as for graduate studies leading to prominent careers as health care professionals or scientists at prestigious colleges, universities, and corporations. As a Thiel College chemistry graduate, you can follow your passion, whether it involves elucidating environmental challenges facing society; working in the health professions or life sciences; excelling in pharmaceutical sales; crafting patent laws; creating and editing scientific documents—the possibilities are limitless!

Contact Information
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800-24-THIEL • 724-589-2345 • admissions@thiel.edu
"I feel that the liberal arts education at Thiel has benefitted me by providing me with a wide range of knowledge. Even though I am a chemistry major, I feel better prepared for life after college since I have knowledge in so many different fields. You can get so much one-on-one time with faculty and staff here—the small classroom sizes are great for discussions and faculty are very friendly, helpful and always willing to help you understand difficult information."

Andrew D. Shroads ‘99,  
Senior Air Quality Specialist (Active)  
Westerville, Ohio  
Major: Chemistry, Pre-Engineering  
Minor: Environmental Science (self-directed)  
Clubs and Organizations: Lambda Sigma Honorary, Thiel Players, Alpha Psi Omega Honorary, American Chemical Society Student Affiliates, Thiel Ambassador, Kappa Sigma Fraternity, Greenville Fire Company, Residence Life Staff, Student Government

"Coming into college, you are a product of your parents, your community, your high school. At Thiel, I was encouraged to ask questions, from philosophy class to reviewing Jewish-Christian scriptures to computer programming. These ‘electives’ afforded me a depth of experience to ask myself questions. Who do I want to be? What do I want to believe in? What is important to me? After college, I was able to ask these questions and look for answers. My degree in chemistry shows that I know how systems work, that I can study my environment and understand it. I know how to observe and document processes. But where my chemistry degree has provided the most benefit is its flexibility. I have worked in a laboratory, a steel mill, for the government and now as a consultant. There are very few degrees that give you the flexibility to work in such diverse sectors of our economy, and I believe that the hard sciences, especially chemistry, allow that flexibility."

Ryan Pepper ’13,  
Youngsville, Pa.  
Major: Chemistry/Secondary Education Certification  
Clubs and Activities: American Chemical Society Student Affiliates, Track & Field, Peer Tutor, Laboratory Assistant

"I am able to utilize what I learned in Thiel’s chemistry program on a daily basis. The technical degree is a great resource in the business world, providing instant credibility when negotiating deals or calculating financial impact. I have such an advantage over my peers in the work place. With an established science background, I was able to pick up business concepts rather easily. The professional network is a resource you must utilize. Graduates from Thiel’s chemistry program have careers in Fortune 500 companies; many of them are in a position to hire. They know the quality of education you earn at Thiel. Also, make sure you seek internships during your time at Thiel College. A graduate with experience will always have an advantage over a graduate with none!"

Nathan Bissell ’02,  
Technical Sales Manager,  
Chemetall Americas  
Burghill, Ohio  
Major: Chemistry  
Minor: Business  
Clubs and Activities: Thiel Players, Resident Life Staff and Football

"The Chemistry Department at Thiel College gave me the foundations of the field while giving examples of how to teach chemistry to other people. The most invaluable experience that I have had is the interdisciplinary core curriculum that has assisted me in contrasting the topic-specific fields of chemistry and secondary education. I am quite pleased with my experience at Thiel College; the school has helped me to learn a subject, how to apply it and how to think about issues outside of that subject."

Kimberly Williams ’13,  
Greenville, Pa.  
Major: Chemistry (ACS certification)  
Clubs & Organizations: American Chemical Society Student Affiliates, Laboratory Assistant

"Go to www.thiel.edu/visit and schedule your individual academic visit today!"