On behalf of the Chemistry Department, I would like to welcome you to the University of Tennessee and wish you the best of luck as you begin your studies at UT. You will be facing a number of important decisions over the next couple of years; what to focus on in your studies and what areas interest you as possible careers. This short brochure is intended to give you an overview of some of the resources available to you at every level of your studies. The faculty and staff of the Chemistry Department are dedicated to providing undergraduate students with a solid foundation in chemistry that they can use to go into the many career options that are available.

Beyond the courses that one takes as a chemistry major, there are number of tips and resources available that are helpful in general chemistry and continue throughout a course of study. Please take the time to look over the information and utilize the resources highlighted in this guide. We look forward to working with you in the next couple of years. Good luck!

Charles Feigerle
Professor & Head

Majors requiring 6-8 hours of natural science coursework may use Chemistry 100-110, 120-130, and 128-138 to fulfill requirements, check with your advisor:

- **Agricultural Sciences:**
  Chemistry 120, 130

- **Biology:**
  Chemistry 120 & 130

- **Chemistry:**

- **Chemical Engineering:**
  Chemistry 120, 130 OR 128, 138 & 310, 319, 350

- **Microbiology & BCMB:**
  Chemistry 120, 130, 350, 360, 369

- **Plant Biology:**
  Chemistry 120, 130, 310, 319, 350, 360, 369

- **Nursing:**
  Chemistry 100, 110 OR 120, 130

- **Pre-Professional Programs including: Pre-Pharmacy, Pre-Med, Pre-Dental, and Pre-Veterinary:**
  Chemistry 120, 130, 350, 360, and 369.
10 Things you need to know to be successful in General Chemistry and beyond...

1. Show up – Don’t miss class! It’s a simple formula for your success.

2. For every hour you are in class expect to spend at least an equal amount of time out of class studying the material.

3. When in doubt, ask a question!

4. Utilize the Chemistry Tutorial Center to ask about a private tutor in the General Chemistry Office or Student Success Center.

5. Be an active learner & participate in class!

6. Don’t be afraid to approach your professors,

7. Don’t get behind – getting behind will double your workload.

8. Do the work – read the textbook, work suggested problems, complete homework on time.

9. Manage your time in and out of class and set priorities according to the goals you wish to reach.

10. Take effective notes and review them before and after class to fill in gaps and figure out what you need to ask questions about.
Where Can I Get Help?

Department of Chemistry

514 Buehler Hall – General Chemistry Office
865-974-3413
513 Buehler Hall – Chemistry Tutorial Center
Open 9-5 M-R, 9-12 Fridays
552 Buehler Hall – Chemistry Department
Main Office 865-974-3141

http://www.chem.utk.edu

Student Success Center

1817 Melrose Ave.
865-974-HELP (4357)
Open 8-5 Monday – Friday

http://studentsuccess.utk.edu

We Want You to Get Involved

BECOME A MEMBER OF THE STUDENT AFFILIATES OF THE AMERICAN CHEMICAL SOCIETY TODAY!

“You are not alone” is a theme of the Student Affiliates of the American Chemistry Society (SAACS). This is an undergraduate student group that is affiliated with the American Chemistry Society (ACS) that gets together over the course of the year to talk about shared experiences, invite professors to come and talk about research to the group and take on outreach projects within the department. As a member of SAACS you are also introduced to the ACS which is the largest professional society in the world.

SAACS organizes a number of activities throughout the year, including attending regional and national ACS meetings, chemistry model kit sales, national chemistry week events, homecoming booths, and various social activities.

Interested in joining SAACS?
Contact Prof. Michael Best, SAACS advisor, at mdbest@utk.edu
Chemistry 200 and Chemistry 400 are classes which give you the opportunity to do research in a working research lab under the supervision of a faculty member in the Chemistry Department.

Chemistry 200 and 400 give you first-hand experience in a research lab that can offer you a wide range of benefits. Undergraduate research allows you to use instrumentation and techniques far more sophisticated than those usually encountered in standard laboratory courses. In addition, research experience gives you the chance to apply the concepts you’ve learned in the classroom to actual research and “do” chemistry, helping to pioneer discoveries in the sciences. Research as an undergraduate can lead to publication of your work and presentation at national and regional meetings. Hands-on experience with instrumentation and processes can give you a leg-up on the competition when interviewing for careers. For those of your considering graduate school, these experiences offer a chance to work alongside graduate students and post-doctoral associates and to see how a research group functions and give you a taste of life as a graduate student.

The Department of Chemistry offers these courses year-round to allow each student to fit undergraduate research into their academic plan. Registering for Chemistry 200 and 400 requires departmental approval and selection of a research project. In addition, Chemistry 400 requires a written report to be submitted at the end of the term. To register and obtain research project overviews for Chemistry 200 or 400, please visit Buehler Hall room 552.

You may be asking yourself, “What kind of opportunities await me once I graduate with a degree in chemistry?” Here are just a handful of things you can do...

- Educator
- Forensic Chemist
- Chemical Sales and Marketing
- Industrial Research Technician
- Consumer Product Development Chemist
- Environmental Chemist
- Food & Flavor Chemist
- Hazardous Waste Management
- Medicinal and Pharmaceutical Research
- Advanced Materials Development
- Technical Information Specialist
- Scientific Writer

For more information on careers in chemistry, visit www.acs.org/education.