Welcome to the
Chemistry Major (BS)
in the College of Physical and Mathematical Sciences

College Advisement Center
Website: https://science.byu.edu/advisement
Email: science.math.advisement@byu.edu
Phone: 801-422-2674
Office: N-181ESC

Chemistry and Biochemistry Department
Website: chem.byu.edu
Phone: 801-422-3667
Office: C-100 BNSN

Department Advisement– Sue Mortensen*
Email: suemort@chem.byu.edu
Phone: 801-422-6269
Office: C-104 BNSN

Internship Coordinator – Richard Watt
Email: rwatt@chem.byu.edu
Phone: 801-422-1923
Office: C-210 BNSN

University Career Services – Anna Kennington
Website: careers.byu.edu (Handshake--see flyer in packet)
Email: anna.kennington@byu.edu
Phone: 801-422-5944, or 801-422-2674 (schedule appointment)
Office: C-106 BNSN

STEM Alliance--Connect with STEM employers, mentors, and clubs: stemalliance.byu.edu

Clubs
YChem: Walter Paxton, E111 BNSN, paxton@chem.byu.edu; 422-4917
Women in Chemistry: Kara Stowers, C309 BNSN, kstowers@chem.byu.edu, 801-422-0835
Cougs v Cancer: Cristy Welsh, E-181 BNSN, sccr@chem.byu.edu, 801-422-3913

*Please visit Sue Mortensen in the Chemistry and Biochemistry Department as soon as possible if you have not already done so.

Learning outcomes can be found here: https://learningoutcomes.byu.edu/Courses/program-courses/692821/Chemistry+BS+/1322
Things to Know

Resources for Graduation Planning

- Flow Charts and Major Academic Plans (MAPs) can be found here: https://science.byu.edu/advisement/flowcharts.
- Academic advisors in N-181 ESC will help you understand course sequencing and help you plan classes to efficiently fill requirements. They can also help you with study skills and initial career exploration as well as connecting you with correct resources.
- Plan and register from your plan on MyMAP. Your academic advisor can help you understand how to best utilize this resource.
- Evaluate your current program. Periodically major programs are updated. An academic advisor would be happy to review the differences between the programs with you to help you determine what would be best for you.
- Consider meeting with a faculty advisor in your department. Contact info is found on first page of this packet.

Tutoring Resources and Research

- Volunteer peer tutors are available through Y Serve if you need help with a class. Also, if you excel in a subject, consider serving your fellow students by becoming a tutor. Find out more here: https://tutoring.byu.edu/.
- Many departments provide TA Tutorial Labs and research opportunities. Check your department for details:
  - Chemistry and Biochemistry: C-100 BNSN, 801-422-3667, https://www.chem.byu.edu/
  - Computer Science: 3361 TMCB, 801-422-3027, csoffice@cs.byu.edu
  - Geological Sciences: S-389 ESC, 801-422-3918, geology@byu.edu
  - Mathematics: 275 TMCB, 801-422-2061, office@mathematics.byu.edu
  - Mathematics Education: 167 TMCB, 801-422-1735, office@mathed.byu.edu
  - Physics and Astronomy: N-283 ESC, 801-422-4361, physics_office@byu.edu
  - Statistics: 2152 WVB, 801-422-4505, statsec@stat.byu.edu

Prepare Early for a Career

- Check out University Career Services in 2590 WSC and at https://ucs.byu.edu/.
- Consider doing an internship.
  - Attend the STEM and Career Fairs held in fall and winter semesters.
  - Talk to your department about internship opportunities.
  - Use LinkedIn and Handshake (see flyer in this packet) to connect with alumni and apply for jobs/internships. BYU Connect is another great resource for networking (connect.byu.edu).
  - Talk with the college Career Director who can help you search for internships as well as assist you with many other career related strategies (see first page of this packet).
- Consider taking StDev 317 (Career Strategies) your junior year.
- Consider taking either Chem 502, CS 502, Geol 502, Math 502, PHSCS 502, or STAT 502 (1-credit Job Search Class). Class is held for 1 hour per week for eight non-consecutive weeks throughout the semester.
### University Core and Graduation Requirements

<table>
<thead>
<tr>
<th>Requirements</th>
<th>#Classes</th>
<th>Hours</th>
<th>Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Religion Cornerstones</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teachings and Doctrine of The Book of Mormon</td>
<td>1</td>
<td>2.0</td>
<td>REL A 275</td>
</tr>
<tr>
<td>Jesus Christ and the Everlasting Gospel</td>
<td>1</td>
<td>2.0</td>
<td>REL A 250</td>
</tr>
<tr>
<td>Foundations of the Restoration</td>
<td>1</td>
<td>2.0</td>
<td>REL C 225</td>
</tr>
<tr>
<td>The Eternal Family</td>
<td>1</td>
<td>2.0</td>
<td>REL C 200</td>
</tr>
<tr>
<td><strong>The Individual and Society</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Heritage</td>
<td>1-2</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Global and Cultural Awareness</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td><strong>Skills</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>First Year Writing</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Advanced Written and Oral Communications</td>
<td>1</td>
<td>3.0</td>
<td>CHEM 391*</td>
</tr>
<tr>
<td>Quantitative Reasoning</td>
<td>1</td>
<td>4.0</td>
<td>MATH 112* or 113*</td>
</tr>
<tr>
<td>Languages of Learning (Math or Language)</td>
<td>1</td>
<td>4.0</td>
<td>MATH 112* or 113*</td>
</tr>
<tr>
<td><strong>Arts, Letters, and Sciences</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civilization 1</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Civilization 2</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Arts</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Letters</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Biological Science</td>
<td>1.0/4.0</td>
<td>3.0</td>
<td>CLASS 120 or BIO 130</td>
</tr>
<tr>
<td>Physical Science</td>
<td>2.0</td>
<td>7.0</td>
<td>CHEM 111* and PHSCS 121*</td>
</tr>
<tr>
<td>Social Science</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td><strong>Core Enrichment: Electives</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion Electives</td>
<td>3-4</td>
<td>6.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Open Electives</td>
<td>Variable</td>
<td>Variable</td>
<td>personal choice</td>
</tr>
</tbody>
</table>

*These classes fill both University Core and Program Requirements (18 hours overlap)

### Graduation Requirements:

- Minimum residence hours required: 30.0
- Minimum hours needed to graduate: 120.0

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### Suggested Sequence of Courses

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>A RTS 100 (FWSpSu) or First-year Writing</td>
<td>A RTS 100 (FWSpSu) or First-year Writing</td>
</tr>
<tr>
<td>CHEM 111* (F)</td>
<td>CHEM 112* (W)</td>
</tr>
<tr>
<td>CHEM 120, BIO 130 or other Biology G.E.**</td>
<td>CHEM 123* (FW)</td>
</tr>
<tr>
<td>MATH 112* (FWSpSu)</td>
<td>MATH 201 (FW)</td>
</tr>
<tr>
<td>Religion Cornerstone course</td>
<td>MATH 113 (FWSpSu)</td>
</tr>
</tbody>
</table>

**Total Hours: 16-17**

*With department approval, CHEM 105 may be substituted for CHEM 111. **There is no major-specific biology course required to fulfill the G.E. Biological Requirement. CELL 120 or BIO 130 are recommended options.

#### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>3rd Semester</th>
<th>4th Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 227* (FW)</td>
<td>CHEM 518 (F)</td>
</tr>
<tr>
<td>CHEM 351* (F)</td>
<td>CHEM 354* (FW)</td>
</tr>
<tr>
<td>CHEM 381* (W)</td>
<td>MATH 213 (FWSpSu)</td>
</tr>
<tr>
<td>MATH 215 (FWSpSu)</td>
<td>MATH 215 (FWSpSu)</td>
</tr>
<tr>
<td>PHSCS 121 (FWSpSu)</td>
<td>PHSCS 121 (FWSpSu)</td>
</tr>
<tr>
<td>Religion Cornerstone course</td>
<td>Religion Cornerstone course</td>
</tr>
</tbody>
</table>

**Total Hours: 14.5**

*With department approval, CHEM 106 may be substituted for CHEM 112; CHEM 107 for CHEM 113.

#### JUNIOR YEAR

<table>
<thead>
<tr>
<th>5th Semester</th>
<th>6th Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 351 may be substituted for CHEM 351M.</td>
<td>CHEM 381M* (FWSpSu)</td>
</tr>
<tr>
<td>CHEM 381M* (FWSpSu)</td>
<td>CHEM 381M* (FWSpSu)</td>
</tr>
<tr>
<td>CHEM 391 (FW)</td>
<td>CHEM 391 (FW)</td>
</tr>
<tr>
<td>CHEM 455 or 521 (F)</td>
<td>CHEM 460 (F)</td>
</tr>
<tr>
<td>CHEM 460 (F)</td>
<td>CHEM 497R or other Requirement 4</td>
</tr>
<tr>
<td>CHEM 462 (F)</td>
<td>Religion Elective</td>
</tr>
<tr>
<td>PHSCS 220 (FWSpSu)</td>
<td>Elective or Requirement 4</td>
</tr>
<tr>
<td>CHEM 518* (F)</td>
<td>Total Hours: 15</td>
</tr>
<tr>
<td><strong>Total Hours: 15</strong></td>
<td><strong>Total Hours: 15</strong></td>
</tr>
</tbody>
</table>

*Either CHEM 455 or CHEM 521 and 523 is required (see Requirement #3, options 3.1, 3.2). Taking both options can also fulfill Req. #4.

#### SENIOR YEAR

<table>
<thead>
<tr>
<th>7th Semester</th>
<th>8th Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 498R* (FWSpSu)</td>
<td>CHEM 498R* (FWSpSu)</td>
</tr>
<tr>
<td>CHEM 498R** or other Requirement 4</td>
<td>CHEM 498R* (FWSpSu)</td>
</tr>
<tr>
<td>Religion Elective</td>
<td>Religion Elective</td>
</tr>
<tr>
<td>Elective or Requirement 4</td>
<td>Total Hours: 14.5</td>
</tr>
<tr>
<td><strong>Total Hours: 15</strong></td>
<td><strong>Total Hours: 15</strong></td>
</tr>
</tbody>
</table>

*Complete Requirement #3, option 3.2, by taking CHEM 523. **CHEM 498R is a research capstone experience. Enrollment in CHEM 498R follows successive semesters of enrollment in CHEM 497R. Faculty permission required. Contact department office for specific details.
**REQUIREMENT 1** Complete 19 courses

NOTE: WITH DEPARTMENTAL APPROVAL, CHEM 105 MAY SUBSTITUTE FOR CHEM 111, AND CHEM 106 FOR CHEM 112, AND CHEM 107 FOR CHEM 113. MATH 314 MAY SUBSTITUTE FOR CHEM 460. NOTE: 2 CREDIT HOURS OF CHEM 354 ARE REQUIRED.

- **CHEM 111 - Principles of Chemistry 1** 4.0
- **CHEM 112 - Principles of Chemistry 2** 3.0
- **CHEM 113 - Introductory General Chemistry Laboratory** 2.0
- **CHEM 201 - Chemical Handling and Safe Laboratory Practices** 0.5
- **CHEM 227 - Principles of Chemical Analysis** 4.0
- **CHEM 351M - Organic Chemistry 1 - Majors** 3.0
- **CHEM 352M - Organic Chemistry 2 - Majors** 3.0
- **CHEM 354 - Organic Chemistry Laboratory - Majors** 2.0
- **CHEM 381M - Fundamentals of Biochemistry** 3.0
- **PHSCS 220 - Introduction to Electricity and Magnetism** 3.0
- **PHSCS 123 - Introduction to Waves, Optics, and Thermodynamics** 3.0
- **MATH 112 - Calculus 1** 3.0
- **CHEM 462 - Physical Chemistry 1** 3.0
- **CHEM 463 - Physical Chemistry 2** 3.0
- **CHEM 464 - Physical Chemistry Laboratory 1** 1.0
- **CHEM 465 - Physical Chemistry Laboratory 2** 1.0
- **CHEM 495 - Senior Seminar** 1.0
- **CHEM 514 - Inorganic Chemistry** 3.0
- **CHEM 518 - Advanced Inorganic Chemistry Laboratory - Majors** 2.0
- **CHEM 594R - General Seminar** 0.5

You may take this course up to 1 time.

**REQUIREMENT 2** Complete 7 courses

- **MATH 112 - Calculus 1** 4.0
- **MATH 113 - Calculus 2** 4.0
- **MATH 213 - Elementary Linear Algebra** 2.0
- **MATH 215 - Computational Linear Algebra** 1.0
- **PHSCS 121 - Introduction to Newtonian Mechanics** 3.0
- **PHSCS 123 - Introduction to Waves, Optics, and Thermodynamics** 3.0
- **PHSCS 220 - Introduction to Electricity and Magnetism** 3.0

You may take this course up to 1 time.

**REQUIREMENT 3** Complete 1 option

**COMPLETE ONE OF THE FOLLOWING ADVANCED OPTIONS:**

**OPTION 3.1** Complete 1 course

- **CHEM 405 - Synthesis and Qualitative Organic Analysis** 4.0

**OPTION 3.2** Complete 2 courses

- **CHEM 521 - Instrumental Analysis Lecture** 2.0
- **CHEM 522 - Instrumental Analysis Lecture** 2.0

**REQUIREMENT 4** Complete 9.0 hours from the following course(s)

**AFTER CONSULTING WITH AN ADVISOR, COMPLETE 9 HOURS FROM THE FOLLOWING. NOTE: ONLY ONE OF BIO 130 OR CELL 120 CAN BE APPLIED TO THIS REQUIREMENT. NOTE: WITH APPROVAL, CERTAIN OTHER 300-LEVEL AND ABOVE COURSES IN THE ALLIED FIELDS OF PHYSICS, STATISTICS, ENGINEERING, AND BIOLOGY MAY BE TAKEN TO SATISFY THIS REQUIREMENT. NOTE: ANY COURSE NOT TAKEN TO SATISFY REQUIREMENT 3 CAN BE TAKEN TO SATISFY REQUIREMENT 4.**

- **BID 130 - Biology** 4.0
- **CELL 120 - Science of Biology** 3.0
- **CHEM 384 - Biochemistry Methods** 1.0
- **CHEM 397R - Mentored Outreach and Service Learning** 3.0
- **CHEM 455 - Synthesis and Qualitative Organic Analysis** 4.0
- **CHEM 482 - Mechanisms of Molecular Biology** 3.0
- **CHEM 498R - Capstone Experience in Chemistry/Biochemistry** 4.0
- **CHEM 511 - Instrumental Analysis Lecture** 2.0
- **CHEM 512 - Instrumental Analysis Laboratory** 2.0
- **CHEM 521 - Advanced Organic Chemistry** 3.0
- **CHEM 523 - Advanced Organic Chemistry** 3.0
- **CHEM 555 - Organic Spectroscopic Identification** 2.0
- **CHEM 563 - Reaction Kinetics** 3.0
- **CHEM 565 - Introduction to Quantum Chemistry** 3.0
- **CHEM 567 - Statistical Mechanics** 3.0
- **CHEM 569 - Fundamentals of Spectroscopy** 3.0
- **CHEM 581 - Adv Biochemical Methodology 1** 3.0
- **CHEM 584 - Advanced Biochemistry Methods 1** 3.0
- **CHEM 585 - Advanced Biochemistry Methods 2** 3.0
- **CHEM 596R - Special Topics in Chemistry** 3.0
- **HONORS 499R - Honors Thesis** 6.0

You may take up to 3 credit hours.

**REGISTRATION ADVICE**

We want to assist students in their academic pursuit toward an undergraduate degree. Students are encouraged to complete an average of 15 credit hours each semester or 30 credit hours each year, which could include spring and/or summer terms. Taking fewer credits substantially increases the number of semesters to graduate.

New students should attend the chemistry and biochemistry session during New Student Orientation, where they can meet with a faculty advisor and review their planned registration. Transfer or mid-year incoming students should meet with an advisor prior to the add/drop deadline of their first semester, which usually follows the first week of class.

The department recommends a review of progress and planned registration with a faculty advisor in the semester when 30, 60, and 90 hours are completed. However, academic advisement is available to all majors at any point in their academic career. Contact the department advisement office to schedule an appointment with a faculty advisor: in person C104 BNSN; by phone 801-422-6269; by email suemort@chem.byu.edu

**MENTORED RESEARCH/EXPERIENTIAL LEARNING**

We strongly encourage our majors to participate in mentored learning and receive credit toward completing their major requirements. Approximately 95% of our faculty conduct independent, externally funded research and invite undergraduates to participate in on-campus mentored learning opportunities. Students initiate contact with a faculty whose research interests them. Upon acceptance to participate in a research lab, students enroll in a series of mentored research courses (CHEM 297R, 497R) throughout their academic career, culminating in a capstone research experience (CHEM 498R). Contact the department advisement center for additional information: 801-422-6269; C104 BNSN; suemort@chem.byu.edu or coffice@chem.byu.edu

**THE DISCIPLINE**

The Chemistry Bachelor of Science degree is the preferred degree for chemistry majors (approved by the American Chemical Society), especially those who desire an advanced degree (MS or PhD) in chemistry. It also provides excellent preparation for individuals in preprofessional programs (e.g., medicine, dentistry, business administration, or law).
Chemists and biochemists study the fundamental processes that govern the natural world, including atomic structure and how atoms interact to form molecules and materials. They study the mechanisms of chemical processes, including those that underpin living systems such as the transfer of information from DNA to RNA to proteins. They work to develop simplifying models (theories) that permit the correlation and explanation of observations about the behavior of life to the structure of rocks and minerals.

Chemistry and biochemistry provide an essential foundation for the medical sciences, engineering (especially chemical engineering), electronics, energy, environmental sciences, materials science, pharmacy, and virtually all manufacturing processes.

Chemistry and biochemistry are active branches of science that are vital to human existence. Inasmuch as the field embraces all aspects of the material world, it is subdivided into five areas of interest. Examples of these diverse areas include the regulation of protein synthesis, cellular signal transduction at the molecular level and proteomics (biochemistry), design and synthesis of medicinal compounds, catalysts and polymers (organic chemistry), design and synthesis of new molecular structures and materials (inorganic chemistry), spectroscopic study of energy transfer and molecular structures (physical chemistry), and analysis of medicinal compounds, biological materials, and contaminants or trace elements found in the environment (analytical chemistry).

Chemistry and biochemistry involve far more than test tubes and beakers. They include sophisticated methodologies such as recombinant DNA technology, working with a variety of instruments such as mass spectrometers, calorimeters, chromatographs, ultracentrifuges, lasers, X-ray diffractometers, electron microscopes and nuclear magnetic resonance spectrometers, all of which are used by undergraduate chemistry and biochemistry students at BYU. Computers also play an important role in these disciplines, with applications ranging from simulation of molecules and their interactions to the collection and analysis of data. The chemistry and biochemistry curricula are both rigorous and intellectually rewarding.

**CAREER OPPORTUNITIES**

Graduates in chemistry and biochemistry obtain positions in education and many different industries, performing analysis, synthesis, characterization, observation, and modeling. Those who work hard, are creative, and have intellectual curiosity are in particular demand. The discipline also provides an excellent preprofessional course of study for those interested in medicine, dentistry, law, and business.

**MAP DISCLAIMER**

While every reasonable effort is made to ensure accuracy, there are some student populations that could have exceptions to listed requirements. Please refer to the university catalog and your college advisement center/department for complete guidelines.

**DEPARTMENT INFORMATION**

Department of Chemistry and Biochemistry Advisement
Brigham Young University
C-104 BNSN
Provo, UT 84602
Telephone: (801) 422-6269

**ADVISEMENT CENTER INFORMATION**

Physical and Mathematical Sciences College Advisement Center
Brigham Young University
N-181 ESC
Provo, UT 84602
Telephone: (801) 422-2674
BYU Chemistry BS
Requirements / Prerequisites 2022-2023 Academic Year

Major (76 Hours)

2. Complete the following: Math 112, Math 113, Math 213, Math 215, Physics 121, Physics 123, Physics 220.

3. Complete either Chemistry 455 or Chemistry 521 & 523.


Minor (20.5-21.5 Hours)
1. Complete one of the following options:


5. Complete 1 of the following courses: Chem 227 or Chem 455.

After consulting with an advisor, complete 9 hours from the following to fulfill requirement #4.

*Enrolling in CHEM 497R and 498R gives students an opportunity to be mentored in a faculty’s research lab and receive class credit. Enrollment in 497R can be repeated for several successive semesters, usually followed by 498R. Permission is required from the faculty member. Contact the department office for specific details.

**Take either Chem 521 & 523 or 455 for the required class(s). The other course(s) may be used towards the nine credits of electives.

Please note: When taught is subject to change. Only Bio 130 or Cell 120 may be used, not both.

* Bio 130 or Cell 120 FWSS (depending on class)
* Bio 130 or Cell 120 FWSS (depending on class)

** Take either Chem 521 & 523 or 455 for the required class(s). The other course(s) may be used towards the nine credits of electives.

Guide only—please consult MyMAP for full requirements.

Updated 07/29/2022
Handshake: BYU’s Online Job Board

BYU's own job board. Employers who want to hire BYU graduates or offer internships to current students post job openings to this website and students apply. Just like LinkedIn, employers can view student profiles and students can network as they apply for jobs and internships.

Login to handshake.byu.edu >>> BYU Net ID
*you do not need to create an account, just sign in with your BYU information

HOW TO MAKE THE MOST OUT OF HANDSHAKE:

1. COMPLETE YOUR PROFILE
   - Upload your resume and it will auto-fill in your profile
   - Completed profiles tailor your Handshake experience
   - Information from your transcript is already uploaded
   - Fill in the Summary/Bio section
   - Fill in your past jobs and experiences, including all the bullet points you use on your resume
   - Add a professional headshot and background photo
   Remember: every word in your profile will be searchable by students and employers

2. APPLY FOR JOBS
   - Search for job titles, employers, or skills
   - Apply for interesting jobs that meet your skill set

3. RESEARCH COMPANIES
   - Under the “Jobs” Tab there is an “Employers” Tab
   - Search for keywords or locations to find companies that are the right fit for you
   - Plan to attend their info sessions on BYU Campus, connect with them at Career Fairs, or set up informational interviews to learn more
   Remember: when looking at companies or jobs, Handshake will tell you what other BYU students have worked there. Use this resource to network and discover more information!

4. EXPLORE FELLOW STUDENTS
   - “Students” tab
   - Search for fellow BYU students to view their profiles and job positions (Facebook stalking... “networking”)

5. ATTEND EVENTS
   - The “Events” tab will be your key to attending info sessions, interviews, and Career Fairs
   - The “Calendar” tab under “Events” will show you what events are coming soon
   - Make sure to save events you are interested in or RSVP so you do not forget to attend
   - Spread the word to your friends on social media

6. DOWNLOAD HANDSHAKE APP
   - Search: “Handshake” not “Handshake Career Services”
   - Input your BYU e-mail address: netID@byu.edu (it will forward emails to the e-mail you have on file with BYU)
   - Handshake will send you a link via e-mail to enable your account in the app
   - Navigate the app to perform all the functions of the website that have been previously mentioned

7. VISIT THE CAREER STUDIO
   - Freshen up your resume, cover letter, or LinkedIn
   - Receive networking help
   - Practice interviewing with a mock interview
   - Meet with a full-time Career Counselor in your field

8. GET A JOB, RING THE BELL
   - Once you’re hired, stop by the Career Studio to ring our Victory Bell and get a picture for the Victory Board
Possible Careers with a Chemistry major
(Not a comprehensive list)

Agricultural engineer  Pathologist*
Pesticide engineer  Pediatric dentist*
Agricultural research  Pediatrician*
Agronomist*  Perfusionist
Biotechnologist  Phlebotomist
Chemical safety engineer  Physiatrist*
Chemist  Physical therapist*
Forensic scientist  Physician*
Histopathologist*  Physician assistant*
Histotechnologist  Physician executive*
Immunologist*  Physician scientist*
Internist*  Physiologist*
Independent consultant  Plastic surgeon*
Microbiologist*  Podiatrist*
Neurological surgeon*  Preventive medicine physician*
Neurologist*  Prosthetist and orthotist*
Nuclear physicist*  Public health physician*
Nurse anesthetist*  Radiologist*
Nurse assistant  Registered nurse
Nurse practitioner*  Respiratory therapist
Obstetrician-Gynecologist*  Sanitation engineer
Occupational health nurse  Sports medicine physician*
Occupational physician*  Surgeon*
Optometrist*  Surgical technologist
Oral pathologist*  Thoracic surgeon*
Oral surgeon*  Toxicologist*
Orthodontist*  Urologist*
Orthopedic surgeon*  Veterinarian*
Osteopathic physician*  Veterinary technician
Otolaryngologist*  Zoologist*
Paleontologist*  
Lab Researcher  

*Usually requires a graduate degree

Companies that have hired our graduates
Neutraceutical, International  Schlumberger
IBC Advanced Technologies  MoxTek
NuSkin  Millenniata
Intel  ThermoFisher Scientific
NIH  Beyond Labz