

Welcome to the

# Biochemistry Major

in the College of Physical and Mathematical Sciences

## College Advisement Center

Website: <https://science.byu.edu/advisement>  
Email: [science.math.advisement@byu.edu](mailto:science.math.advisement@byu.edu)  
Phone: 801-422-2674  
Office: N-181 ESC

## Chemistry and Biochemistry Department

Website: [chem.byu.edu](http://chem.byu.edu)  
Phone: 801-422-3667  
Office: C-100 BNSN

## Department Advisement – Sue Mortensen\*

Email: [suemort@chem.byu.edu](mailto:suemort@chem.byu.edu)  
Phone: 801-422-6269  
Office: C-104 BNSN

## Internship Coordinator – Richard Watt

Email: [rwatt@chem.byu.edu](mailto:rwatt@chem.byu.edu)  
Phone: 801-422-1923  
Office: C-210 BNSN

## University Career Services – Anna Kennington

Website: [careers.byu.edu](http://careers.byu.edu) (Handshake--see flyer in packet)  
Email: [anna.kennington@byu.edu](mailto: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](http://stemalliance.byu.edu)

## Clubs

YChem: Walter Paxton, E111 BNSN, [paxton@chem.byu.edu](mailto:paxton@chem.byu.edu); 422-4917

Women in Chemistry: Kara Stowers, C309 BNSN, [kstowers@chem.byu.edu](mailto:kstowers@chem.byu.edu), 801-422-0835

Cougs v Cancer: Cristy Welsh, E-181 BNSN, [sccr@chem.byu.edu](mailto: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/692826/Biochemistry+BS+/1322>



# Things to Know

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## 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.

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## 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](mailto:csoffice@cs.byu.edu)
  - Geological Sciences: S-389 ESC, 801-422-3918, [geology@byu.edu](mailto:geology@byu.edu)
  - Mathematics: 275 TMCB, 801-422-2061, [office@mathematics.byu.edu](mailto:office@mathematics.byu.edu)
  - Mathematics Education: 167 TMCB, 801-422-1735, [office@mathed.byu.edu](mailto:office@mathed.byu.edu)
  - Physics and Astronomy: N-283 ESC, 801-422-4361, [physics\\_office@byu.edu](mailto:physics_office@byu.edu)
  - Statistics: 2152 WVB, 801-422-4505, [statsec@stat.byu.edu](mailto:statsec@stat.byu.edu)

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## 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](http://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.

# BS in Biochemistry (692826) MAP Sheet

Physical and Mathematical Sciences, Chemistry and Biochemistry

For students entering the degree program during the 2022-2023 curricular year.



University Core and Graduation Requirements				Suggested Sequence of Courses			
<b>University Core Requirements:</b>				<b>FRESHMAN YEAR</b>			
<b>Requirements</b>	<b>#Classes</b>	<b>Hours</b>	<b>Classes</b>	<b>1st Semester</b>			<b>JUNIOR YEAR</b>
<b>Religion Cornerstones</b>				<b>5th Semester</b>			
Teachings and Doctrine of The Book of Mormon	1	2.0	REL A 275	CHEM 111* (F)	4.0		CHEM 391 (FW)
Jesus Christ and the Everlasting Gospel	1	2.0	REL A 250	MATH 112 (WSpSu)	4.0		CHEM 482 (F)
Foundations of the Restoration	1	2.0	REL C 225	First-year Writing or A HTG 100 (FW)	3.0		CHEM 584 (F)
The Eternal Family	1	2.0	REL C 200	Biological Science - BIO 130 or CELL 120**	3.0-4.0		PHSCS 220 (FWSu)
<b>The Individual and Society</b>				<b>Religion Cornerstone course</b>			
American Heritage	1-2	3-6.0	from approved list	<b>Total Hours</b>	<b>16.0-17.0</b>		CHEM 497R (FWSPSu) or open elective
Global and Cultural Awareness	1	3.0	from approved list				Civilization 1 or Social Science
<b>Skills</b>				<b>6th Semester</b>			
First Year Writing	1	3.0	from approved list	CHEM 586 (W)	3.0		CHEM 468 (W)
Advanced Written and Oral Communications	1	3.0	CHEM 391*	CHEM 468 (W)	3.0		PWS 340 (FW)
Quantitative Reasoning	1	4.0	MATH 112* or 113*	CHEM 497R (FWSpSu) or Requirement 5	1.0		CHEM 497R (FWSpSu) or Requirement 5
Languages of Learning (Math or Language)	1	4.0	MATH 112* or 113*	CELL 360 (FWSp) or other Requirement 4	3.0		Religion Elective
<b>Arts, Letters, and Sciences</b>				<b>7th Semester</b>			
Civilization 1	1	3.0	from approved list	CHEM 489 (F)	3.0		CHEM 594R (FW)
Civilization 2	1	3.0	from approved list	CHEM 594R (FW)	0.5		CHEM 497R, 498R (FWSpSu) or Requirement 5
Arts	1	3.0	from approved list	CHEM 497R, 498R (FWSpSu) or Requirement 5	3.0		Civilization 1, 2 or Social Science
Letters	1	3.0	from approved list	Civilization 1, 2 or Social Science	3.0		Global and Cultural Awareness
Biological Science	1	4.0/3.0	BIO 130* or CELL 120*	Religion Elective	2.0		Religion Elective
Physical Science	2	7.0	CHEM 111* and PHSCS 121*	<b>Total Hours</b>	<b>14.5</b>		<b>8th Semester</b>
Social Science	1	3.0	from approved list	CHEM 227 (FSp)	4.0		CHEM 495 (FW)
<b>Core Enrichment: Electives</b>				<b>3rd Semester</b>			
Religion Electives	3-4	6.0	from approved list	STAT 201 (FW) or MATH 213 & 215 (FW)	3.0		CHEM 498R (FWSpSu) or other Requirement 5
Open Electives	Variable	Variable	personal choice	PHSCS 121 (FWSpSu)	3.0		Civilization 2 or Social Science
				CHEM 351M* (F)	3.0		Arts
				Religion Cornerstone course	2.0		Letters
				<b>Total Hours</b>	<b>15.0</b>		Religion elective
				*CHEM 351 may be substituted for CHEM 351M			<b>Total Hours</b>
				<b>4th Semester</b>			<b>15.0</b>
				CHEM 352M* (W)	3.0		
				CHEM 354* (FWSp)	1.0		
				CHEM 381M** (W)	3.0		
				CHEM 384 (W)	1.0		
				PHSCS 123 (FWSp)	3.0		
				CHEM 497R (FWSpSu) or open electives	1.0		
				Religion Cornerstone course	2.0		
				<b>Total Hours</b>	<b>14.0</b>		
				*CHEM 352 may be substituted for CHEM 352M; CHEM 353 may be substituted for CHEM 354 **With department approval, CHEM 481 may substitute for CHEM 381M. Pre-professional students may need 2 credits of CHEM 353, depending on specific professional school entrance requirements.			
<b>Graduation Requirements:</b>							
Minimum residence hours required		30.0					
Minimum hours needed to graduate		120.0					

**BS in Biochemistry (692826)**  
**2022-2023 Program Requirements (77 Credit Hours)**

<p><b>REQUIREMENT 1</b> Complete 18 courses  <b>NOTE: WITH DEPARTMENT APPROVAL CHEM 105 MAY SUBSTITUTE FOR CHEM 111; AND CHEM 106 FOR CHEM 112; AND CHEM 107 FOR CHEM 113.</b>  <b>NOTE: ONLY 1 CREDIT HOUR OF CHEM 354 IS REQUIRED; COMPLETION OF 2 CREDIT HOURS WILL SATISFY THE REQUIREMENT FOR CHEM 354 AND 1 CREDIT HOUR OF ELECTIVES UNDER REQUIREMENT 4.</b></p> <p>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 2.0v            CHEM 381M - Fundamentals of Biochemistry 3.0            CHEM 384 - Biochemistry Methods 1.0            *CHEM 391 - Technical Writing Using Chemical Literature 3.0            CHEM 468 - Biophysical Chemistry 3.0            CHEM 482 - Mechanisms of Molecular Biology 3.0            CHEM 489 - Structural Biochemistry 3.0            CHEM 495 - Senior Seminar 1.0            CHEM 584 - Advanced Biochemistry Methods 1 3.0            CHEM 586 - Advanced Biochemistry Methods 2 3.0            CHEM 594R - General Seminar 0.5</p> <p><b>REQUIREMENT 2</b> Complete 6 courses            MATH 112 - Calculus 1 4.0            MATH 113 - Calculus 2 4.0            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            PWS 340 - Genetics 3.0</p> <p><b>REQUIREMENT 3</b> Complete 1 option  <b>OPTION 3.1</b> Complete 1 course            STAT 201 - Statistics for Engineers and Scientists 3.0  <b>OPTION 3.2</b> Complete 2 courses            MATH 213 - Elementary Linear Algebra 2.0            MATH 215 - Computational Linear Algebra 1.0</p> <p><b>REQUIREMENT 4</b> Complete 1 course            CELL 360 - Cell Biology 3.0            CELL 362 - Advanced Physiology 3.0            MMBIO 463 - Immunology 3.0            MMBIO 465 - Virology 3.0</p>	<p>MMBIO 468 - (MMBio-Bio-PWS) Genomics 3.0</p> <p><b>REQUIREMENT 5</b> Complete 7.0 hours from the following course(s)  <b>AFTER CONSULTING WITH AN ADVISOR, COMPLETE 7 HOURS FROM THE FOLLOWING. NOTE: ONLY ONE OF BIO 130 OR CELL 120 CAN BE APPLIED TO THIS REQUIREMENT. NOTE: CHEM 355 CANNOT BE TAKEN IF CHEM 354 WAS TAKEN FOR 2 CREDIT HOURS. NOTE: WITH PRIOR APPROVAL, MANY 300-LEVEL AND ABOVE COURSES IN BIOLOGY, INTEGRATIVE BIOLOGY, MICROBIOLOGY AND MOLECULAR BIOLOGY, AND PHYSIOLOGY AND DEVELOPMENTAL BIOLOGY WILL FILL THIS REQUIREMENT.</b></p> <p>BIO 130 - Biology 4.0            CELL 120 - Science of Biology 3.0            CHEM 355 - Organic Chemistry Laboratory 2 - Nonmajors 1.0            CHEM 397R - Mentored Outreach and Service Learning 3.0v            CHEM 455 - Synthesis and Qualitative Organic Analysis 4.0            CHEM 460 - Mathematics for Physical Chemistry 1.0            CHEM 496R - Academic Internship: Chemistry and Biochemistry 6.0v  <i>You may take up to 3 credit hours.</i>            CHEM 498R - Capstone Experience in Chemistry/Biochemistry 4.0v  <i>You may take up to 3 credit hours.</i>            CHEM 514 - Inorganic Chemistry 3.0            CHEM 518 - Advanced Inorganic Laboratory 2.0            CHEM 521 - Instrumental Analysis Lecture 2.0            CHEM 523 - Instrumental Analysis Laboratory 2.0            CHEM 552 - Advanced Organic Chemistry 3.0            CHEM 553 - Advanced Organic Chemistry 3.0            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 - Advanced Biochemical Methodology 1 3.0            CHEM 583 - Advanced Biochemical Methodology 2 3.0            CHEM 596R - Special Topics in Chemistry 3.0v  <i>You may take up to 3 credit hours.</i>            HONRS 499R - Honors Thesis 6.0v  <i>You may take up to 3 credit hours.</i></p> <p><b>Recommended Courses: Chem 460.</b>  <b>Note: Supporting courses suggested by most medical and dental schools are found by visiting the Preprofessional Advisement Office. The more rigorous chemistry, mathematics, and physics courses required for the chemistry majors will satisfy the minimum requirements listed there. Elective courses in biochemistry and in biological science are especially pertinent to these preprofessional programs.</b></p>	<p><b>REGISTRATION ADVISEMENT</b></p> <p>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.</p> <p>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, usually after the first week of class.</p> <p>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 <b>any</b> 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 <a href="mailto:suemort@chem.byu.edu">suemort@chem.byu.edu</a> or <a href="mailto:coffice@chem.byu.edu">coffice@chem.byu.edu</a></p> <p><b>MENTORED RESEARCH/EXPERIENTIAL LEARNING</b></p> <p>We strongly encourage our majors to participate in mentored learning and receive credit toward completing their major requirements. Approximately 80% 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; <a href="mailto:suemort@chem.byu.edu">suemort@chem.byu.edu</a> or <a href="mailto:coffice@chem.byu.edu">coffice@chem.byu.edu</a>.</p> <p><b>THE DISCIPLINE</b></p> <p>The Biochemistry Bachelor of Science degree provides excellent</p>
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## BS in Biochemistry (692826)

2022-2023

preparation for students preparing for health-related fields (medicine, dentistry, veterinary medicine) or for those who desire an advanced degree (MS or PhD) in biochemistry, molecular biology, or the health sciences. 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

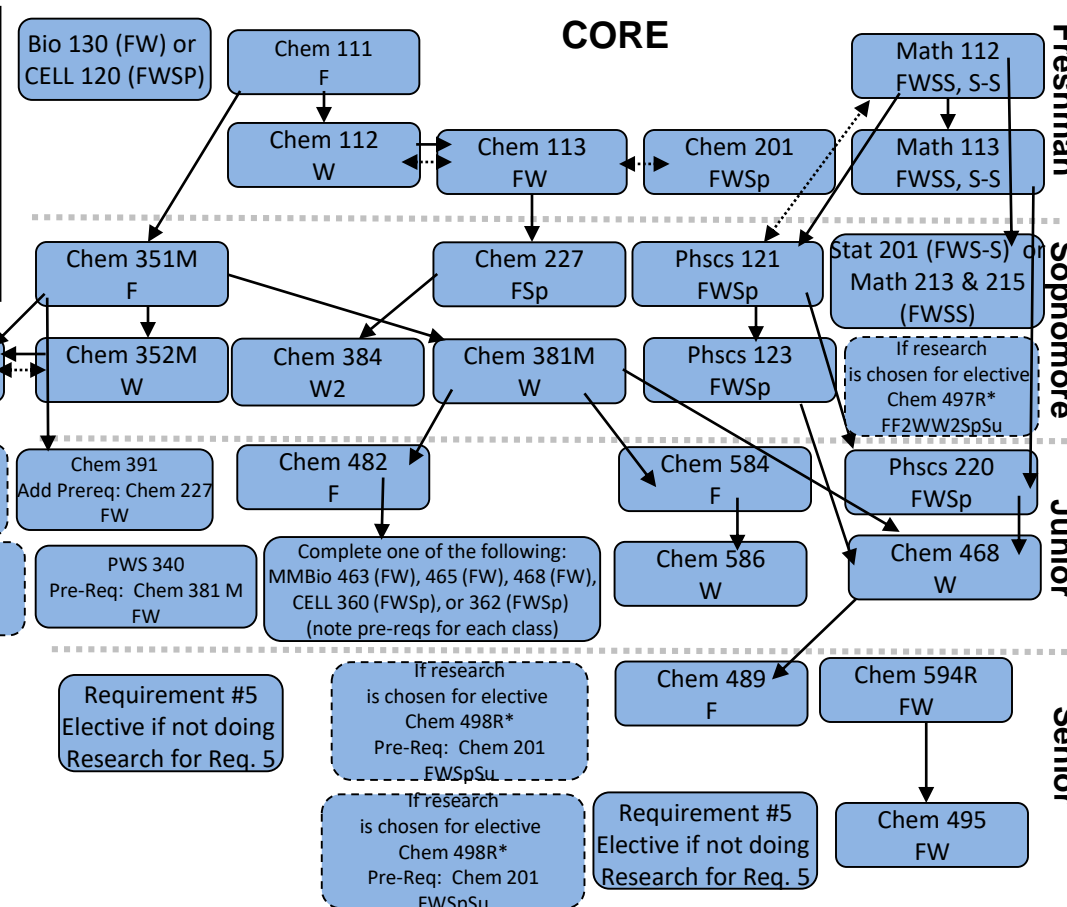
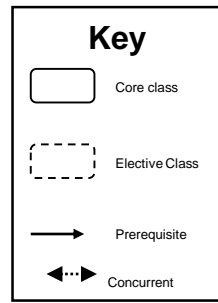
# BYU

## Biochemistry BS

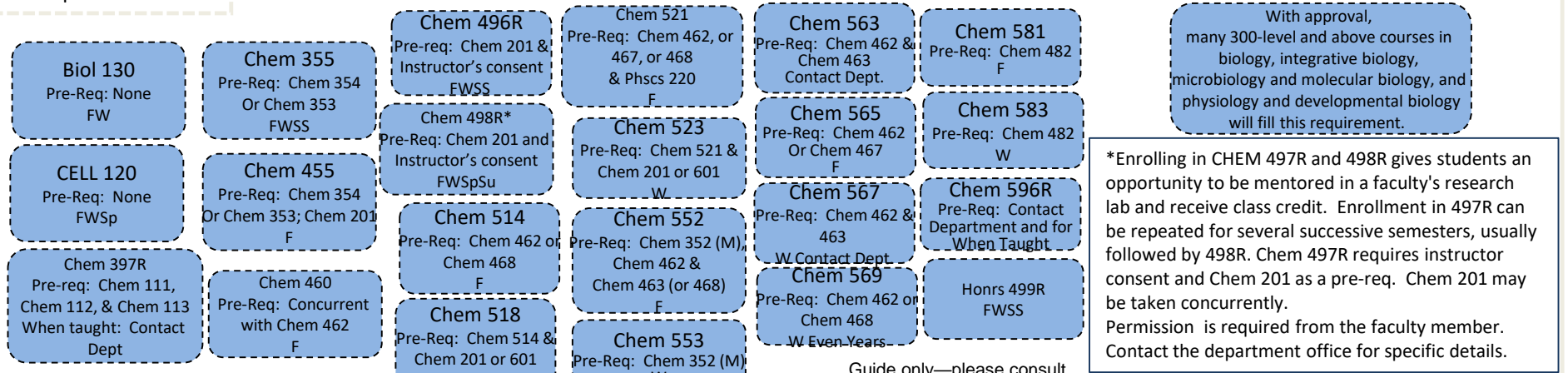
### Requirements / Prerequisites 2022-2033 Academic Year

#### Major (77 Hours)

- Complete the following: Chem 111, Chem 112, Chem 113, Chem 201, Chem 227, Chem 351M, Chem 352M, Chem 354, Chem 381M, Chem 384, Chem 391, Chem 468, Chem 482, Chem 489, Chem 495, Chem 584, Chem 586, Chem 594R
- Complete the following: Math 112, Math 113, Phscs 121, Phscs 123, Phscs 220, PWS 340.
- Complete either Stat 201 or Math 213 and 215.
- Complete one course from the following: CELL 360, CELL 362, MMBIO 463, MMBIO 465, MMBIO 468.
- After consulting with an advisor, complete 7 hours from the following: Biol 130, Cell 120, Chem 355, Chem 397R, Chem 455, Chem 460, Chem 496R, Chem 498R, Chem 514, Chem 518, Chem 521, Chem 523, Chem 552, Chem 553, Chem 563, Chem 565, Chem 567, Chem 569, Chem 581, Chem 583, Chem 596R, Honrs 499R.
- Note: Only one of Bio 130 or Cell 120 may be used towards requirement 5. If Chem 354 was taken for 2 credits, Chem 355 cannot be taken to fill requirement 4. For Biochemistry majors Chem 354 should be taken for one credit.



After consulting with an advisor, complete 7 hours from the following to fulfill requirement #5.



Note: When Taught is subject to change.

Guide only—please consult MyMAP for full requirements.

Updated 07/29/2022

\*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. Chem 497R requires instructor consent and Chem 201 as a pre-req. Chem 201 may be taken concurrently. Permission is required from the faculty member. Contact the department office for specific details.



## handshake

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](https://handshake.byu.edu) >>> **BYU Net ID**

\*you do not need to create an account, just sign in with you 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

### 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](mailto: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



employers are  
**5X MORE LIKELY**  
to view a profile that has  
at least one job/skill/organization

### 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!

# Possible Careers with a Biochemistry major

(Not a comprehensive list)

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

\*Usually requires a graduate degree

## Companies that have hired our graduates

Neutraceutical, International  
IBC Advanced Technologies  
NuSkin  
Intel  
NIH

Schlumberger  
MoxTek  
Millenniata  
ThermoFisher Scientific  
Beyond Labz