Welcome to the

Chemistry Major (BA)

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: E-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/692827/Chemistry+BA+/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.
- o 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

- o 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).
- o Consider taking StDev 317 (Career Strategies) your junior year.
- O 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.

BA in Chemistry (692827) 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				
University Core Requirements:				FRESHMAN YEAR		JUNIOR YEAR		
Requirements	#Classes	Hours	Classes	1st Semester	2.0	5th Semester	2.0	
Religion Cornerstones				First-year Writing or A HTG 100 (FWSpSu) Biological Science*	3.0 3-4.0	CHEM 462 (F) or elective CHEM 460 (F) or CHEM 497R (FWSpSu) or elective	3.0 1.0	
Teachings and Doctrine of The Book of	1	2.0	REL A 275	CHEM 111** (F)	4.0	PHSCS 220 (FWSu)	3.0	
Mormon	1	2.0	KLLAZIS	MATH 112 (FWSpSu)	4.0	Civilization 1	3.0	
Jesus Christ and the Everlasting Gospel	1	2.0	REL A 250	Religion Cornerstone course	2.0	Social Science	3.0	
Foundations of the Restoration	1		REL C 225	Total Hours	16-17.0	Global and Cultural Awareness	3.0	
The Eternal Family	1		REL C 223	*There is no major-specific biology course required for the major; just		Total Hours	16.0	
•	1	2.0	REL C 200	the G.E. biological science requirement. CELL 120, BIO 130, and MM BIO		6th Semester		
The Individual and Society				121 are recommended options. **With departm	nent approval, CHEM 105	CHEM 391 (FW)	3.0 3.0	
American Heritage	1-2	3-6.0	from approved list	may be substituted for CHEM 111		CHEM 463 (W) or CHEM 468 (W) CHEM 464 & 465 (W) or CHEM 497R and/or elective	2.0	
Global and Cultural Awareness	1	3.0	from approved list	2nd Semester		Arts or Letters	3.0	
Skills				First-year Writing or A HTG 100	3.0	Civilization 2	3.0	
First Year Writing	1	3.0	from approved list	CHEM 112* (W)	3.0	Religion Elective	2.0	
Advanced Written and Oral Communications	1	3.0	CHEM 391*	CHEM 113* (FW)	2.0	Total Hours	16.0	
Quantitative Reasoning	1		MATH 112* or 113*	CHEM 201 (FW) MATH 113 (FWSpSu)	0.5 4.0	SENIOR YEAR		
Languages of Learning (Math or Language)	1		MATH 112* or 113*	Religion Cornerstone course	2.0	7th Semester		
Arts, Letters, and Sciences	1	4.0	MATITIZ 01 113	Total Hours	14.5	CHEM 584 (F) or open elective	3.0	
•				*With department approval, CHEM 106 may be	substituted for CHEM	CHEM 497R (FWSpSu) and other Requirement 4 Religion elective	6.0 2.0	
Civilization 1	1		from approved list	112; CHEM 107 for CHEM 113.	Substituted for CTILM	Global and Cultural Awareness	3.0	
Civilization 2	1		from approved list			Total Hours	14.0	
Arts	1	3.0	from approved list	SOPHOMORE YEAR		8th Semester		
Letters	1	3.0	from approved list	3rd Semester	4.0	CHEM 495 (FW)	1.0	
Biological Science	1	3-4.0	PD BIO 120*, BIOL	CHEM 227 (FSp) CHEM 351M* (F)	3.0	Requirement 4 or open elective	2.0	
			130*, MM BIO 121*	STAT 201 (FW) or MATH 213 & 215 (FW)	3.0	Arts or Letters	3.0	
Physical Science	2	7.0	CHEM 111* and PHSCS	PHSCS 121 (FWSp)	3.0	Religion elective	2.0	
			121*	Religion Cornerstone course	2.0	CHEM 498R (FWSpSu) and open elective Total Hours	6.0 14.0	
Social Science	1	3.0	from approved list	Total Hours	15.0	Total Hours	14.0	
Core Enrichment: Electives				*CHEM 351 may substitute for CHEM 351M.				
Religion Electives	3-4	6.0	from approved list	Atla Commentaria				
Open Electives			personal choice	4th Semester CHEM 352M* (W)	3.0			
open Electives	variable	variable	personal enoice	CHEM 354* (FWSp) and/or CHEM 384 (W)	2.0			
*THESE CLASSES FILL BOTH UNIVERSITY CORE AND PROGRAM REQUIREMENTS (21-22 hours			PHSCS 123 (FWSp)	3.0				
overlap)			CHEM 381M** (W) 3.0					
				CHEM 497R (FWSpSu) or open electives	1.0			
Construction Description				Religion Cornerstone course	2.0			
Graduation Requirements:				Total Hours	14.0			
Minimum residence hours required		30.0		*CHEM 352 may substitute for CHEM 352M; CHE	M 353 may substitute for			
Minimum hours needed to graduate 120.0			CHEM 354. **With department approval, CHEM 481 may substitute for CHEM 381M.					
				maracparament approval, enter 401 may 3	abstitute for CHEM 501M.			

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2022-2023 Program Requirements (57.5 Credit Hours)

				CHEM 553 - Advanced Organic Chemistry	3.0
		CHEM 462 - Physical Chemistry 1	3.0	CHEM 563 - Reaction Kinetics	3.0
REQUIREMENT 1 Complete 9 courses		CHEM 463 - Physical Chemistry 2	3.0	CHEM 565 - Introduction to Quantum Chemistry	3.0
CHEM 111 - Principles of Chemistry 1	4.0	CHEM 464 - Physical Chemistry Laboratory 1	1.0	CHEM 567 - Statistical Mechanics	3.0
CHEM 112 - Principles of Chemistry 2	3.0	CHEM 465 - Physical Chemistry Laboratory 2	1.0	CHEM 569 - Fundamentals of Spectroscopy	3.0
CHEM 113 - Introductory General Chemistry Laboratory	2.0	MATH 213 - Elementary Linear Algebra	2.0	CHEM 369 - Fundamentals of Spectroscopy CHEM 581 - Advanced Biochemical Methodology 1	3.0
CHEM 201 - Chemical Handling and Safe Laboratory Practices	0.5	MATH 215 - Computational Linear Algebra	1.0	CHEM 583 - Advanced Biochemical Methodology 2	3.0
CHEM 227 - Principles of Chemical Analysis	4.0	DECUMPEMENT 2 Complete F courses		CHEM 584 - Advanced Biochemistry Methods 1	3.0
CHEM 351M - Organic Chemistry 1 - Majors	3.0	REQUIREMENT 3 Complete 5 courses MATH 112 - Calculus 1	4.0	CHEM 586 - Advanced Biochemistry Methods 2	3.0
CHEM 352M - Organic Chemistry 2 - Majors	3.0	MATH 113 - Calculus 1 MATH 113 - Calculus 2	4.0	CHEM 594R - General Seminar	0.5
*CHEM 391 - Technical Writing Using Chemical Literature	3.0	PHSCS 121 - Introduction to Newtonian Mechanics	3.0	CHEM 596R - Special Topics in Chemistry	3.0v
CHEM 495 - Senior Seminar	1.0			You may take up to 3 credit hours.	5.00
Note: With departmental approval, Chem 105 may substitute for	Chem 111,	PHSCS 123 - Introduction to Waves, Optics, and Thermodynamics	3.0 3.0	HONRS 499R - Honors Thesis	6.0v
and Chem 106 for Chem 112; and Chem 107 for Chem 113.		PHSCS 220 - Introduction to Electricity and Magnetism	3.0	You may take up to 3 credit hours.	6.00
REQUIREMENT 2 Complete 1 option		REQUIREMENT 4 Complete 3.0 hours from the following course(s)			
OPTION 2.1 Complete 6 courses		AFTER CONSULTING WITH AN ADVISOR, COMPLETE 3 HOURS FROM THE		Note 1: Elective courses must be different from required courses.	
NOTE: ONLY 1 CREDIT HOUR OF CHEM 354 IS REQUIRED; COM	PLETION OF	FOLLOWING. NOTE: COURSES USED FOR REQUIREMENT 2 CANNOT	Note 2: With prior approval, certain 300-level and above courses in biology,		
2 CREDIT HOURS WILL SATISFY THE REQUIREMENT FOR CHEM		APPLIED TO REQUIREMENT 4. CHEM 355 CANNOT BE TAKEN IF CHEM	engineering, physics, and statistics may be taken to satisfy Requirement 4.		
CREDIT HOUR OF ELECTIVES UNDER REQUIREMENT 4.		WAS TAKEN FOR 2 CREDIT HOURS.		Recommended Courses: Math 213 and 215; Chem 460; Phscs 2	25.
CHEM 354 - Organic Chemistry LaboratoryMajors	2.0v	CELL 360 - Cell Biology	3.0	Note: Supporting courses suggested by most medical and der	ital schools are
CHEM 381M - Fundamentals of Biochemistry	3.0	CHEM 355 - Organic Chemistry Laboratory 2 - Nonmajors	1.0	found by visiting the Preprofessional Advisement Center (ppd	
CHEM 384 - Biochemistry Methods	1.0	CHEM 381M - Fundamentals of Biochemistry	3.0	more rigorous chemistry, mathematics, and physics courses i	
CHEM 468 - Biophysical Chemistry	3.0	CHEM 384 - Biochemistry Methods	1.0	chemistry majors will satisfy the minimum requirements liste	-
CHEM 584 - Advanced Biochemistry Methods 1	3.0	CHEM 397R - Mentored Outreach and Service Learning	3.0v	Elective courses in biochemistry and in biological science are	
STAT 201 - Statistics for Engineers and Scientists	3.0	CHEM 455 - Synthesis and Qualitative Organic Analysis	4.0	pertinent to these preprofessional programs.	
OPTION 2.2 Complete 7 courses		CHEM 460 - Mathematics for Physical Chemistry	1.0		
NOTE: ONLY 1 CREDIT HOUR OF CHEM 354 IS REQUIRED; COM	DI ETION OF	CHEM 462 - Physical Chemistry 1	3.0	DECICEDATION ADVICEMENT	
2 CREDIT HOURS WILL SATISFY THE REQUIREMENT FOR CHEM		CHEM 463 - Physical Chemistry 2	3.0	REGISTRATION ADVISEMENT	
CREDIT HOURS WILL SATISFY THE REQUIREMENT FOR CHEM CREDIT HOUR OF ELECTIVES UNDER REQUIREMENT 4.	354 AND 1	CHEM 464 - Physical Chemistry Laboratory 1	1.0		
CHEM 354 - Organic Chemistry LaboratoryMajors	2.0v	CHEM 465 - Physical Chemistry Laboratory 2	1.0	We want to assist students in their academic pursui	t toward an
CHEM 381M - Fundamentals of Biochemistry	3.0	CHEM 468 - Biophysical Chemistry	3.0	undergraduate degree. Students are encouraged to	o complete
CHEM 384 - Biochemistry Methods	1.0	CHEM 482 - Mechanisms of Molecular Biology	3.0	an average of 15 credit hours each semester or 30 c	redit hours
CHEM 468 - Biophysical Chemistry	3.0	CHEM 489 - Structural Biochemistry	3.0	each year, which could include spring and/or summ	ier terms.
CHEM 584 - Advanced Biochemistry Methods 1	3.0	CHEM 496R - Academic Internship: Chemistry and Biochemistry	6.0v	Taking fewer credits substantially increases the nur	nber of
MATH 213 - Elementary Linear Algebra	2.0	You may take up to 3 credit hours.		semesters to graduate.	
MATH 215 - Computational Linear Algebra	1.0	CHEM 498R - Capstone Experience in Chemistry/Biochemistry	4.0v		
·	1.0	You may take up to 3 credit hours.		New students should attend the chemistry and biod	•
OPTION 2.3 Complete 8 courses		CHEM 514 - Inorganic Chemistry	3.0	session during New Student Orientation, where the	,
NOTE: 2 CREDIT HOURS OF CHEM 354 ARE REQUIRED. NOTE: N	1ATH 314	CHEM 518 - Advanced Inorganic Laboratory	2.0	with a faculty advisor and review their planned regi	
MAY SUBSTITUTE FOR CHEM 460.		CHEM 521 - Instrumental Analysis Lecture	2.0	Transfer or mid-year incoming students should mee	
CHEM 354 - Organic Chemistry LaboratoryMajors	2.0v	CHEM 523 - Instrumental Analysis Laboratory	2.0	advisor prior to the add/drop deadline of their first	semester,
CHEM 460 - Mathematics for Physical Chemistry	1.0	CHEM 552 - Advanced Organic Chemistry	3.0	usually after the first week of class.	

BA in Chemistry (692827)

2022-2023

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 or coffice@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 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; suemort@chem.byu.edu or coffice@chem.byu.edu.

THE DISCIPLINE

The Chemistry Bachelor of Arts degree provides preparation for individuals in preprofessional programs (e.g., medicine, dentistry, business administration, or law). It also provides background for careers in chemistry-related professions (e.g., information specialist, safety engineer, forensics). 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

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 AdvisementBrigham Young University

C-104 BNSN Provo, UT 84602

Telephone: (801) 422-6269

ADVISEMENT CENTER INFORMATION

Physical and Mathematical Sciences College Advisement

Brigham Young University N-181 ESC Provo, UT 84602

Telephone: (801) 422-2674

BYU Chemistry BA

Requirements / Prerequisites 2022-2023 Academic Year

Major (57.5 Hours)

- Complete the following: Chem 111, Chem 112, Chem 113, Chem 201, Chem 227, Chem 351M, Chem 352M, Chem 391, Chem 495.
- Complete Chem 354, Chem 381M, Chem 384, Chem 468, Chem 584, and complete either Stat 201 or Math 213 & 215. Or complete Chem 354, Chem 460, Chem 462, Chem 463, Chem 464, Chem 465, and Math 213 & 215.
- Complete the following: Math 112, Math 113, Phscs 121, Phscs 123, Phscs 220
- 4. After consulting with an advisor, complete 3 hours from the following: Chem 355, Chem 381M, Chem 384, Chem 397R, Chem 455, Chem 460, Chem 462, Chem 463, Chem 464, Chem 465, Chem 468, Chem 482, Chem 489, Chem 496R, Chem 498R, Chem 514, Chem 518, Chem 521, Chem 523, Chem 553, Chem 563, Chem 565, Chem 567, Chem 569, Chem 581, Chem 583, Chem 584, Chem 586, Chem 594R, Chem 596R, HONRS 499R, Cell 360, or with approval certain 300-level and above courses in biology, engineering, physics, and statistics

Note: Elective courses must be different than required courses. Chem 355 cannot be taken if Chem 354 was taken for 2 credits. If 354 is taken for 2 credits, one credit may be used for electives.

*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 397R

Pre-req: Chem 111,

Chem 112. & Chem 113

When taught: Contact

Dept

Chem 455

Pre-Reg: Chem 354 or

Chem 353; Chem 201

Chem 460

Pre-Req: Chem 462

Or concurrent

Chem 462

Pre-Reg: Math 213 & 215

Phscs 123: Chem 227

Chem 351 (M), Phscs 220

Permission is required from the faculty member. Contact the department office for specific details.

Cell 360

Pre-Reg: MMBIO 240 or

Chem 481 (M)

FWSp

Chem 355

Pre-Reg: Chem 354

FWSS

Chem 381M

Pre-Req: Chem 351Mi

Chem 384

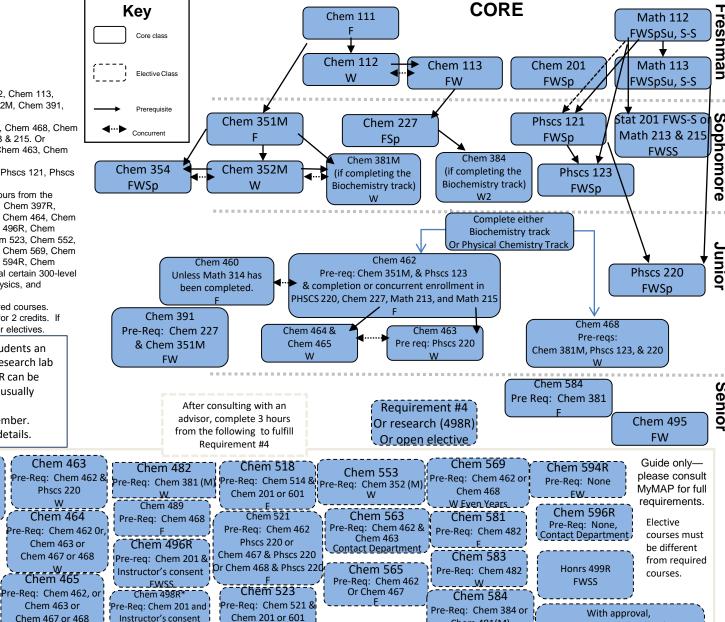
Pre-Req: Chem 227

& 381M or concurrent

Please Note:

When Taught is

subject to change.



Chem 567

Pre-Req: Chem 462 &

463

Contact Department

Chem 552

Pre-Reg: Chem 352 (M)

& Chem 462 & Chem 463

(or Chem 468)

FWSpSu

Chem 514

Pre-Rea: Chem 462 or

Chem 468

Chem 468

Pre-Reg: Chem 381M,

PHSCS 123, PHSCS 220

Chem 481(M)

Chem 586

Pre-Req: Chem 584

certain 300-level and

above courses in biology, engineering,

physics, and statistics may be taken to

satisfy the requirement.

Updated 7/29/2022

ii 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 >>> 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 yor 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

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!

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



BYU CAREER SERVICES careers.byu.edu 1134 WSC (801) 422-3000

Possible Careers with a Chemistry major

(Not a comprehensive list)

Agricultural engineer Agricultural research

Agronomist*
Biotechnologist

Chemical safety engineer

Chemist

Forensic scientist
Histopathologist*
Histotechnologist
Immunologist*
Internist*

Independent consultant

Microbiologist*

Neurological surgeon*

Neurologist*
Nuclear physicist*
Nurse anesthetist*
Nurse assistant
Nurse practitioner*

Obstetrician-Gynecologist* Occupational health nurse Occupational physician*

Optometrist*
Oral pathologist*
Oral surgeon*
Orthodontist*

Orthopedic surgeon*
Osteopathic physician*
Otolaryngologist*

Paleontologist*
Lab Researcher

Pathologist*
Pediatric dentist*
Pediatrician*
Perfusionist

Phlebotomist Physiatrist*

Physical therapist*

Physician*

Physician assistant* Physician executive* Physician scientist* Physiologist* Plastic surgeon* Podiatrist*

Preventive medicine physician*

Prosthetist and orthotist* Public health physician*

Radiologist*
Registered nurse
Respiratory therapist
Sanitation engineer

Sports medicine physician*

Surgeon*

Surgical technologist Thoracic surgeon* Toxicologist* Urologist* Veterinarian*

Veterinary technician

Zoologist*

Companies that have hired our graduates

Neutraceutical, International Schlumberger IBC Advanced Technologies MoxTek NuSkin Millenniata

Intel ThermoFisher Scientific

NIH Beyond Labz

^{*}Usually requires a graduate degree