Welcome to the

Mathematics Education Major

in the College of Computational, Mathematical, and Physical Sciences

College Advisement Center

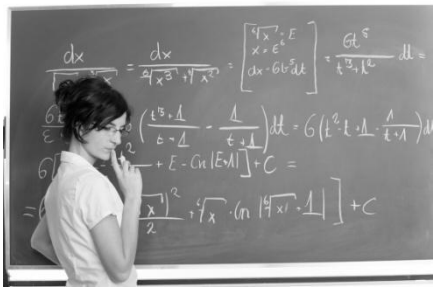
Website: https://science.byu.edu/advisement
Email: cmsadvising@byu.edu
Phone: 801-422-2674
Office: N-181 ESC

Mathematics Education Department

Website: mathed.byu.edu
Phone: 801-422-1735
Office: A180 ESC
Email: office@mathed.byu.edu

Faculty Advisor – Dan Siebert

Email: dsiebert@mathed.byu.edu
Phone: 801-422-1751
Office: A180G ESC



Education Advisement Center

Website: education.byu.edu/advisement
Email: eac.frontdesk@byu.edu
Phone: 801-422-3426
Office: 175 MCKB

Educator: Apply to the program at educator.byu.edu. If you have any technical issues, contact the EPP Help Center at 801-422-1190, https://epp.byu.edu/. You should plan to have the application completely done by the time you finish the MTHED 276 class.

Club – Mathematics Education Association (MEA)

Advisor: Blake Peterson
Email: peterson@mathed.byu.edu
Phone: 801-422-7784
Office: A180F ESC

Learning outcomes can be found here: https://learningoutcomes.byu.edu/Courses/program-courses/694620/Mathematics+Education+BS+/1327

Things to Know

Resources for Graduation Planning

- Flow Charts and Packets can be found here: https://science.byu.edu/advisement/explore-majors-and-minors.
- MAPs can be found in the university catalog.
- 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 the 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/department/faculty/
  - Computer Science: 3361 TMCB, 801-422-3027, cs-office@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: A180 ESC, 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 Careers & Experiential Learning in 1134 WSC and at careers.byu.edu.
- Visit BYU's Career Studio to work on your resume, cover letter, or other professional documents; learn to navigate LinkedIn, Handshake, and CareerShift; receive networking help; practice interview skills.
- 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 or department 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 Networking Class). Class is held for 1 hour each week.

BYU Mathematics Education

Requirements / Prerequisites
2026-2027 Academic Year

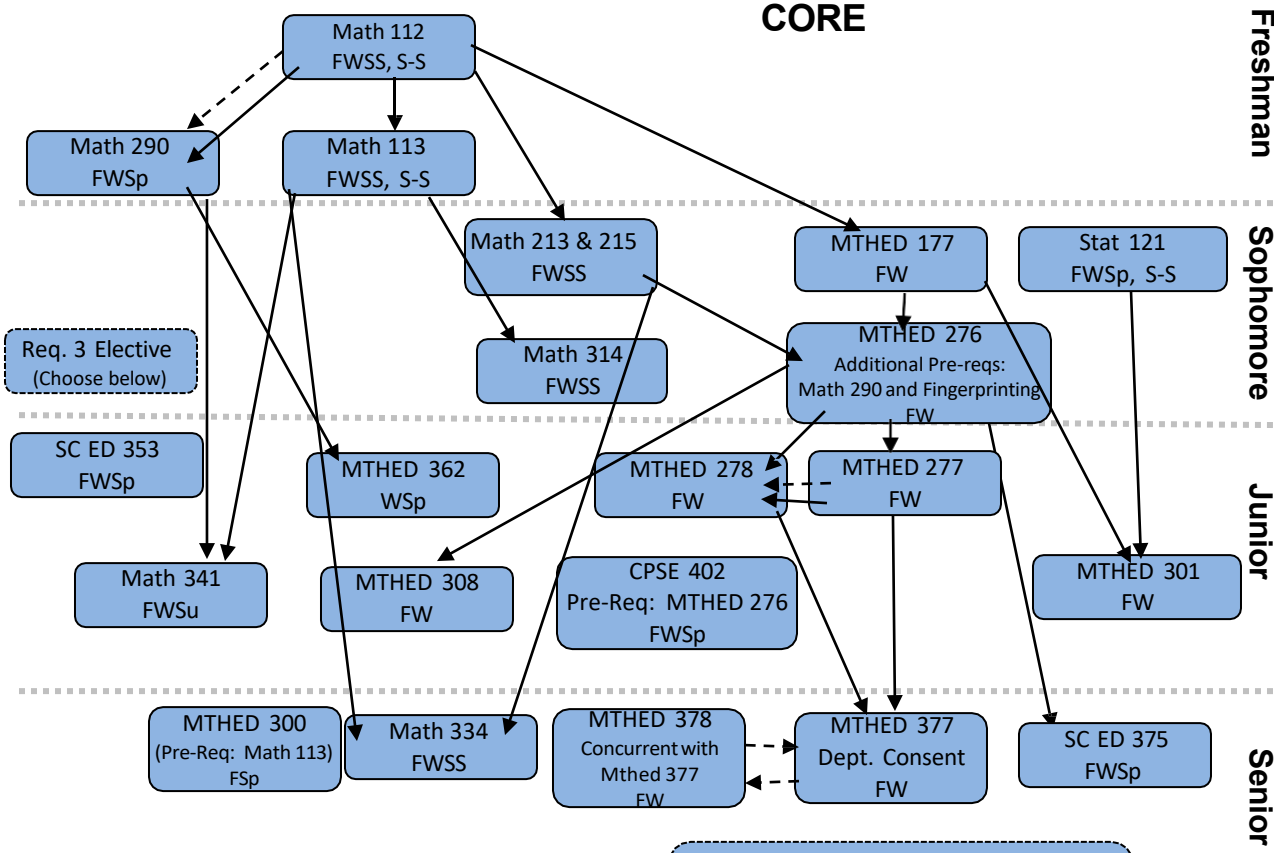
Major (78 Hours)

1. Admission into the Math Education major or minor requires the following **1)** 2.7 minimum high school/college GPA (be in the average of 3.0 for cohort), **2)** fingerprint background check, **3)** a cohort average ACT score of 21.25 (17 minimum) in reading, average cohort score of 21.25 (17 minimum) in math, and an average cohort writing score of 6.60 (5 minimum or completion of the first-year writing requirement) **or** a SAT average cohort reading score of 543.33 (435 minimum), average cohort math score of 532.5 (426 minimum), and an average cohort essay score of 5.30 (4 minimum or completion of the first-year writing requirement). Anyone who has not taken the correct ACT or SAT tests will need to take the Praxis Core tests and receive a 165 (132 minimum) for writing, 162.14 (130 minimum) for math, and 168.06 (134 minimum) for reading.
2. Grades below C in professional education courses or content courses will not be accepted in the teaching major or teaching minor. Maintain minimum 2.7 (3.0 for cohort) GPA to qualify for student teaching.
3. Complete Core Requirements: MTHED 177, MTHED 276, MTHED 277, MTHED 278, MTHED 308, MTHED 377, MTHED 378. Note: FBI Fingerprinting and background clearance must be completed prior to enrollment in MTHED 276.
4. Complete the following: Math 112, Math 113, Math 213, Math 215, Math 290, Math 314, Math 334, Math 341, MTHED 300, MTHED 301, MTHED 362, Stat 121.
5. Requirement 3: Complete one of the following: CS 110, CS 111, CS 180, Math 350, Math 371, Math 380, Math 485, Math 487, PHSCS 310, PHSCS 311, Stat 201, Stat 230.
6. Complete the following Professional Education Component: CPSE 402, SC ED 353, SC ED 375.
7. Complete 12 hours of one of the following: MTHED 476, MTHED 496.

Middle School Mathematics Teaching Minor (29 Hours)—Teach 6th-9th grade

Admission requirements for the Math Education minor are the same as for the major.

1. Grades below C in professional education courses or content courses will not be accepted in the teaching major or teaching minor. Teacher candidates must have a 2.7 total GPA to qualify for student teaching.
2. Complete the following courses: Math 112, Stat 121, MTHED 177, MTHED 306, MTHED 277, MTHED 278, MTHED 301, MTHED 308, MTHED 377, MTHED 378, MTHED 477R



Note: You will need a permission-to-add code to take MTHED 278 concurrently with MTHED 277 which is preferred. (Email Kathy Lee at kathylee@byu.edu).

Student Teaching or Internship
Take MTHED 476 (FW) or MTHED 496 (F)
(Pre-Req: Completion of all Coursework or Dept. approval)

CS 110 FWSS	Math 350 Pre-Reqs: Math 213 & 290 Contact Dept.	Math 485 Pre-Reqs: Math 213 F	PHSCS 311 Pre-Reqs: PHSCS 106 Or 220 F
CS 111 Pre-req: CS 110 or equivalent FWSS	Math 371 Pre-Reqs: Math 290 & 213 FWSp	Math 487 Pre-Reqs: Math 371 W	Stat 201 Pre-Reqs: Math 112 FWSp
CS 180 Pre-req: CS 110 or equivalent FW	Math 380 Pre-Reqs: Math 213, Math 215, C S 180 & Stat 121 (or 201) FW	PHSCS 310 Pre-Reqs: PHSCS 105 or 121 W	Stat 230 Pre-Reqs: Stat 121 or 201 FWSp

Key
- Core class
- Student Teaching/ or internship
- Prerequisite
- Concurrent

F=Fall, W=Winter, Sp=Spring, Su=Summer, S-S=Spring-Summer, SS=Spring & Summer.

Guide only—please consult MyMAP for full requirements.

Please note: When Taught is subject to change.

Updated 5/12/2026

Handshake

At A Glance

Handshake is BYU's own job board. Employers who want to hire BYU graduates or offer internships to current students post their job openings to this website and students can 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 with your netid@byu.edu

1. Download Handshake App

- Select Continue with School
- Type in "Brigham Young University"
- Select School Login
- 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 funcions of the website that have been previoiusly mentioned

2. Complete Your Profile

- 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
- Information from your transcript is already uploaded
- Make your profile discoverable to employers

Remember: Every word in your profile will be searchable by students and employers

3. Apply For Jobs

- Search collections related to your major
- Search for job titles, employers, or skills
- Apply for interesting jobs that meet your skill set

4. Research Companies

- Under the Jobs tab there is an Employers tab
- Use keywords or locations to search for companies that are the right fit for you
- Plan to attend employer info sessions on BYU Campus, connect with employers at Career Fairs or set up informational interviews with them.

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!

5. Explore Fellow Students

- Use the People tab to find peers
- Search for fellow BYU students to view their profiles and job positions
- Attend events

Employers are
5x more likely
to view a profile that has at least one job, skill, and organization.

6. Attend Events

- The Events tab will be your key to finding info sessions interviews, and Career Fairs
- Make sure to save events you are interested in and RSVP so you do not forget to attend
- Spread the word to your friends on social media
- Use Collections to filter results in your major

BYU Career Services
1134 WSC
(801) 422-3000
careers.byu.edu

Career Services studio!

Handshake Proile Rubric

Name: Reviewer: Date:

Meets and/or Exceeds Expectations	Partially Meets Expectations	Does Not Meet Expectations
Profile includes a photo that is professionally appropriate for the student's intended industry.	Profile includes a photo but it is not professionally appropriate.	Profile does not include a photo.
My Journey section includes specific information about the student's skills, experience, and goals. The section is free from grammatical and spelling errors.	My Journey section is vague. Summary contains one or more grammatical/spelling errors.	Student has not written anything in the My Journey section.
Expected graduation date has been added to Education section.		Expected graduation date has not been added to Education section.
Experience section includes at least 2 entries. Each entry includes title, employer, dates, location and a description of the work done.	Experience section includes 2 entries but no description of work is provided.	Experience section contains less than 2 entries.
The Job Hunt, Cities, and Industries fields of the Your Career Interests section are complete.	Fill out entire Career Interests section on profile (especially types of jobs) and where you are interested in living sections (partially).	The Job Hunt, Cities, and Industries fields of the Your Interests section are not complete.
Profile includes at least 3 skills.	Profile includes 1-2 skills.	Profile does not include any skills.
A resume is uploaded to profile and is viewable by employers (public).	A resume is uploaded to the profile but not viewable by employers.	A resume is not uploaded to the profile.

All other fields/categories make your profile more robust, which makes it more likely to be viewed by employers and promote your brand.

CAREER OPPORTUNITIES

Within Education: Majors in mathematics education prepare for careers in molding and shaping the future minds of the world. Majors prepare for jobs high in demand teaching mathematics at the middle and high school levels. The skills learned in math education set students apart in STEM fields, and the teaching skills gained will allow them to facilitate meaningful Mathematics learning. Outside the physical classroom, math education graduates can develop curriculum or educational software, and work in organizations that provide tutoring, online education, or distance learning. Graduates are well positioned to pursue advanced degrees in order to facilitate professional development at the district and state administration levels or to qualify to teach higher education.

Outside of Education: Majors in mathematics education graduate with abroad background in advanced mathematics and mastery of essential communication skills. Graduates who choose to forego the traditional teaching route have found rewarding careers in business, computer programming, information technology, operations research, cryptography, finance and more. Not only are mathematics education graduates prepared to solve problems in these fields using their mathematical background, but the teaching experiences prepare them to be highly effective in communicating solutions to others.