BS Mathematics: 52-54 credits in Major

Department of Mathematics and Statistics - https://www.stcloudstate.edu/mathstat/

BS Mathematics Major Advisors

Students may choose their own advisor from the Mathematics or Mathematics Education faculty. Consult with one of your professors or with the chair of the Department.   Phone 320-308-3001 or mathstat@stcloudstate.edu

First Semester	Second Semester
[1/2]MATH 221 (4cr) [2/3]STAT 239 (3cr) [2]SCSU Liberal Education (9cr) **Total semester credits=16** *Attend the STEM Education Admissions event (every semester!)* *Join the Mathematics Club and Future Educators Club*	[2]MATH 222 (4cr) [1]MATH 271 (3cr) SCSU Liberal Education (9cr) **Total semester credits=16** *Apply to be a mathematics tutor or learning assistant when you successfully complete Math 222.*

Third Semester	Fourth Semester
MATH 321 (4cr) STAT 321 (3cr) [2]CPSY 262 (3cr) ED 300 (3cr) SCSU Liberal Education: Goal 1 (4cr) **Total semester credits= 17** *(Every fall, if eligible) apply for a math scholarship* https://www.stcloudstate.edu/huskiesscholarships/	MATH 312 (4cr) MATH 304 (3cr) [2]SPED 203 (3cr) CPSY 361 (3cr) SCSU Liberal Education (3cr) **Total semester credits= 16** *Attempt the MN NES Essential Academic Skills Test if you haven't met the Basic Skills requirement another way (see page 2 for more detail)*

Fifth Semester	Sixth Semester
[5]MATH 411 (4cr) [4]MATH Elective (3-4cr) ENGL/ED 460 (2cr) HURL 497 (3cr) SCSU Liberal Education or elective (3cr) **Total Semester Credits=15 or 16**	[5]MATH 465 (3cr) [5/6]MATH 432 (4cr) [6]STEM 421 (1cr) [6]ED 421 (2cr) [6]ED 451 (2cr) SCSU Liberal Education or elective (3cr) **Total Semester Credits= 15** *Apply for student teaching during this semester. Watch for signs advertising the Student Teacher Roundup* *Apply to graduate*

Seventh Semester	Eighth Semester
[5/6]MATH 431 (3cr) [4]MATH Elective (3-4cr) [6]STEM 420 (1cr) [6]IM 422 (2cr) [6]ED 431 (2cr) SCSU Liberal Education or elective (3cr) **Total Semester Credits=14 or 15** *Take MTLE Content exam*	MATH 482 (2cr) ED 466 (10 cr) **Total Semester Credits=12** *Take MTLE Pedagogy exam, if not taken in the previous semester* *Submit EdTPA*

EVERY Semester

- ✓ Meet with your advisor
- ✓ Check your Degree Audit Report (DARS)
- ✓ Maintain your GPA (2.75 overall needed to student teach, 2.40 required in major program classes)

This program meets the Minnesota Professional Education Licensing and Standards Board tier-three licensure requirements for beginning teachers of mathematics at the 5-12 level. If students in this major intend to graduate in four years they must:
   a) NOT complete the core or general education in the first two years--they need to take the required mathematics courses.
   b) Not need remedial work in high school math (i.e. need MATH 070, MATH 072).

Revised: April 30, 2020

Notes:

[1] An appropriate score on a placement exam (see https://www.stcloudstate.edu/mathstat/placement/ for current requirements) or successful completion of MATH 115 is required before enrolling in MATH 221 or MATH 271.

[2] MATH 221, MATH 222, and STAT 239 (or STAT 219) will serve as 11 credits of Liberal Education in Goal Area 4: CPSY 262 and SPED 203 will serve as 6 credits in Goal Area 5.

[3] STAT 219, 242, or 353 can replace STAT 239. Note: Neither STAT 242 nor 353 are goal area courses.

[4] MATH electives are MATH 252, 325 or 327, 353, 421, 423, 427, 452, 455, 480, MTHE 441, and STAT 447. Many MATH electives are offered at most once every other year. Contact your advisor or the Department of Mathematics and Statistics for specific course offerings when constructing a specific plan.

[5] MATH 411 and 431 are only offered fall semester. MATH 421, 432 and 465 are only offered spring semester.

[6] MATH 432, STEM 421, ED 421 and ED 451 must be taken concurrently (spring semester), as must MATH 431, STEM 420, IM 422 and ED 431 (fall semester), but the sets of courses can be taken in either order. They should be completed the two semesters prior to student teaching, and each of these blocks has a field experience component. ENGL/ED 460 and SPED 203 must be taken prior to or during these two semesters.

The degree plan is a conservative approach to completing the Liberal Education requirements. Students should meet with an advisor to select courses that satisfy multiple goal areas and requirements. Note that SCSU requires a minimum of 120 semester credits to earn a Bachelor of Science degree. The mathematics teaching program meets the requirement that 40 of these credits must be at the 300 or 400 level.

Admission to Math Teaching major
You are directly admitted into the B.S. Mathematics major when you state your intention to major in mathematics teaching. You are expected to meet with your assigned advisor every semester to plan coursework, receive your registration access code, and ensure that you are meeting program requirements. You must maintain a GPA of 2.40 in your major program courses.

Admission to Teacher Education
As of March 1, 2018 the Teacher Education application is no longer required.

Professional Education Requirements
 ED 300; CPSY 262; CPSY 361; IM 422; HURL 497; ED 451; ENGL 460 or ED 460; SPED 203; ED 421; ED 431; ED 466

Grade Requirements:
Grades of C- or higher are required for all mathematics program courses.
Grades of C (NOT C-) or higher are required for all Professional Education courses.

STEM Admissions Event: All B.S. Mathematics majors must attend a STEM admissions event. These take place near the middle of each fall and spring semester. During this event, you will have a light dinner and conversation with faculty, administrators, and P-12 school partners, then participate in an interview and submit a writing sample.   An email announcing this event will be sent out approximately two weeks prior to the event. You should participate in this event early in your program to complete the interview and writing sample – you are invited to return every semester for the dinner.

Applications for student teaching and graduation:
- Apply for student teaching one full year prior to your intended student teaching date.
- During that semester, you must attend one Student Teacher Roundup meeting in order to complete the application process. Watch for signs around the Education Building to see when these meetings are scheduled.
- For more information on student teaching eligibility, see https://www.stcloudstate.edu/soe/teachereducation/student-teaching.aspx
- Apply for graduation one full year prior to your intended graduation date.

MN TEACHER LICENSURE EXAMINATIONS (MTLE)
There are two sets of MN Teacher Licensure Exams. If basic skills competency has not already been demonstrated, the **Essential Academic Skills** tests should be taken early in the major. The **Math Content and Pedagogy** exams should be taken prior to graduation.
1. The **NES Essential Academic Skills** tests (3 separate exams) assess basic skills in reading, writing, and mathematics. These are no longer required for the teaching license you will earn (a tier-three license), but will be required if you apply to transition to a tier-four license after three successful years of teaching experience. There are several ways to meet this basic skills requirement. See 'Passing Score' at https://www.stcloudstate.edu/teacherlicensure/testing/basic-skills.aspx to see how this requirement can be met. It is in your best interest to take and pass the exams (or meet this basic skills requirement through one of the other methods) before you graduate but you are not required to do so.

2. The second set of MTLE exams (2 separate exams) assess mathematics content and pedagogy.   The mathematics exam should be taken prior to student teaching. The pedagogy exam can be taken just prior to or during student teaching. Both must be **passed** to earn licensure.

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