COURSE PLANNING

WORKSHOP



Nov. 4, 2026

student actuaries michigan

MEET THE BOARD MEMBERS



Naomi Sowa

Social Chair



Eason Lin

Underclassmen Ambassador



Raegan Gothard

President



01

CURRICULUM OVERVIEW

REQUIRED COURSES

(*) min grade of "C minus" required

University Earned Credits **(UEC)**
Minimum Grade Required: 85%

☆ You pick two of these four courses to complete

Cognates Suggested (2 Required)

- **FIN 302** Making Financial Decisions VEE Accounting & Finance)
- **ACC 302** Financial Accounting (VEE Accounting & Finance)
- **STATS 413** Applied Regression Analysis (MAS-I)
- **DATASCI 415** Data Mining and Statistical Learning (Exam SRM/MAS-II)
- **TO 414** Advanced Analytics for Management Consulting (Exam PA)

CORE Courses

- **MA 423 ☆** Mathematics of Finance
- **MA 528 ☆** Casualty Insurance (CAS Exam 5)
- **MA 521 ☆ (UEC)** Life Contingencies Part II (Exam ALTAM)
- **MA 524 ☆** Loss Models II (Exam ASTAM/MAS-II)
- **MA 523 (*)** Loss Models I (Exam FAM/MAS-I)
- **MA 520 (*)** Life Contingencies Part I (Exam FAM)
- **MA 424 (UEC) (*)** Mathematical Interest Theory (Exam FM)

BASIC Courses

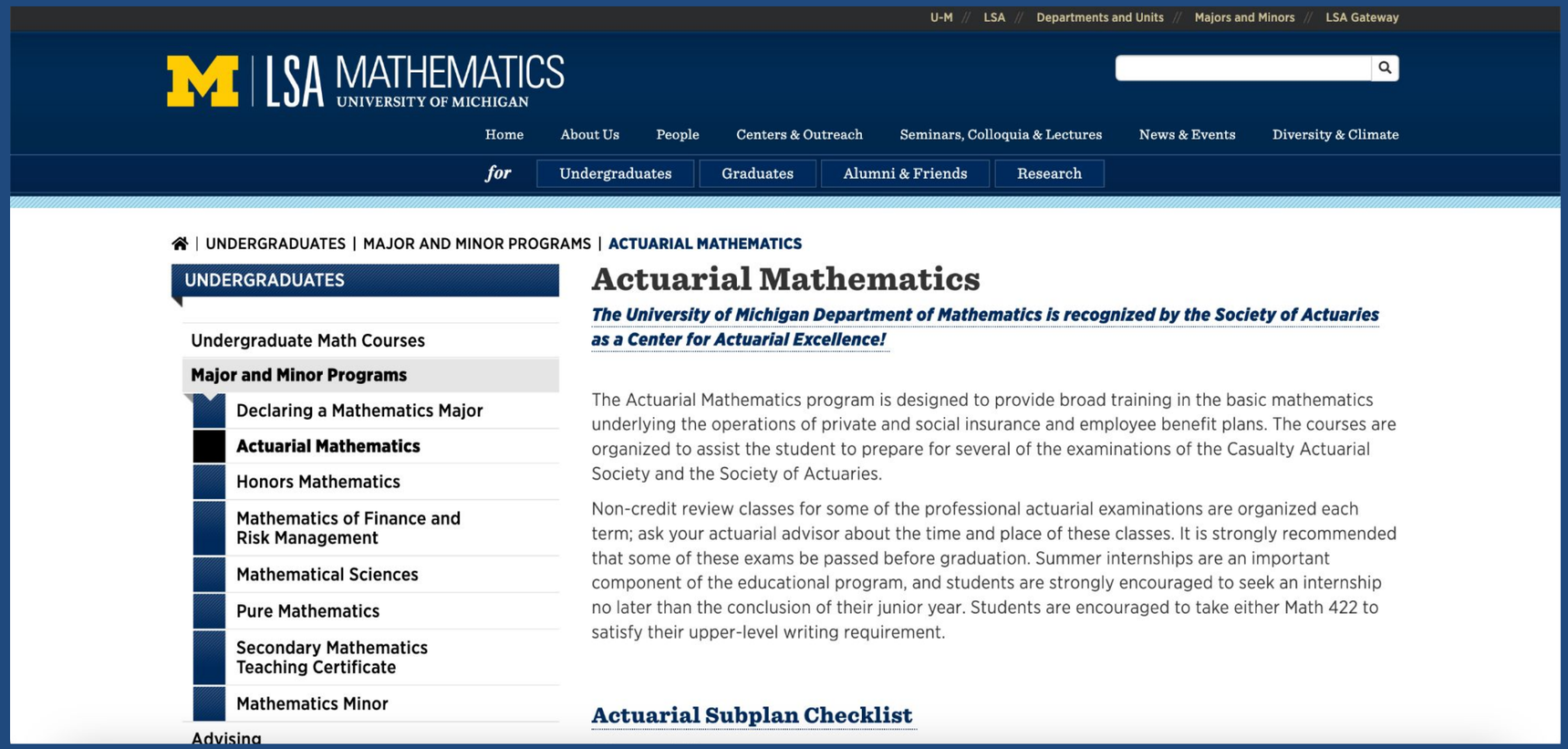
- **MA 316 (*)** Differential Equations OR MA 286
- **MA 351 (*)** Principles of Analysis OR MA 451
- **MA 425 (*)** Introduction To Probability (Exam P)
- **STATS 426 (*)** Introductory Theoretical Statistics (SOA VEE Mathematical Statistics/MAS-I)

Pre-requisites

- **MA 215** Calculus III OR 205/255/285/295
- **MA 217** Linear Algebra OR 296/395
- **ECON 101** Microeconomics (VEE MicroEconomics)
- **ECON 102** Macroeconomics (VEE MacroEconomics)
- **EECS 183** Elementary Programming Concepts (Python/C++)

LSA DEGREE REQUIREMENTS

LINK (note some of this information may not be up to date!)





02

COURSE INFORMATION

COURSE NAME

PROFESSIONAL NAME

DIFFICULTY (5 = hardest)

WORKLOAD (5 = hardest)

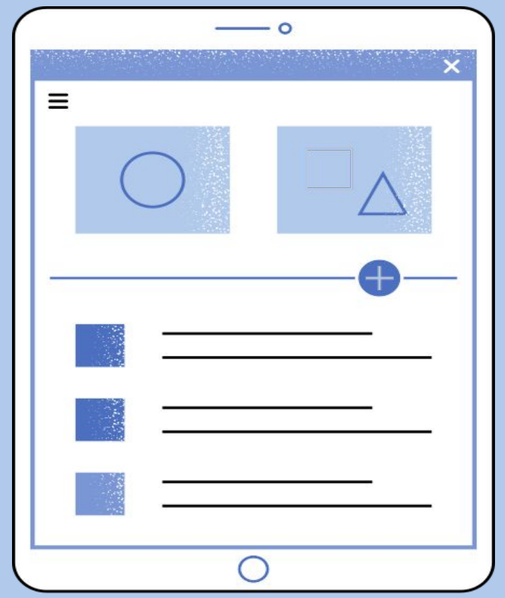
# of CREDITS

PRE-REQS NEEDED BEFORE CLASS

WHEN IT IS OFFERED

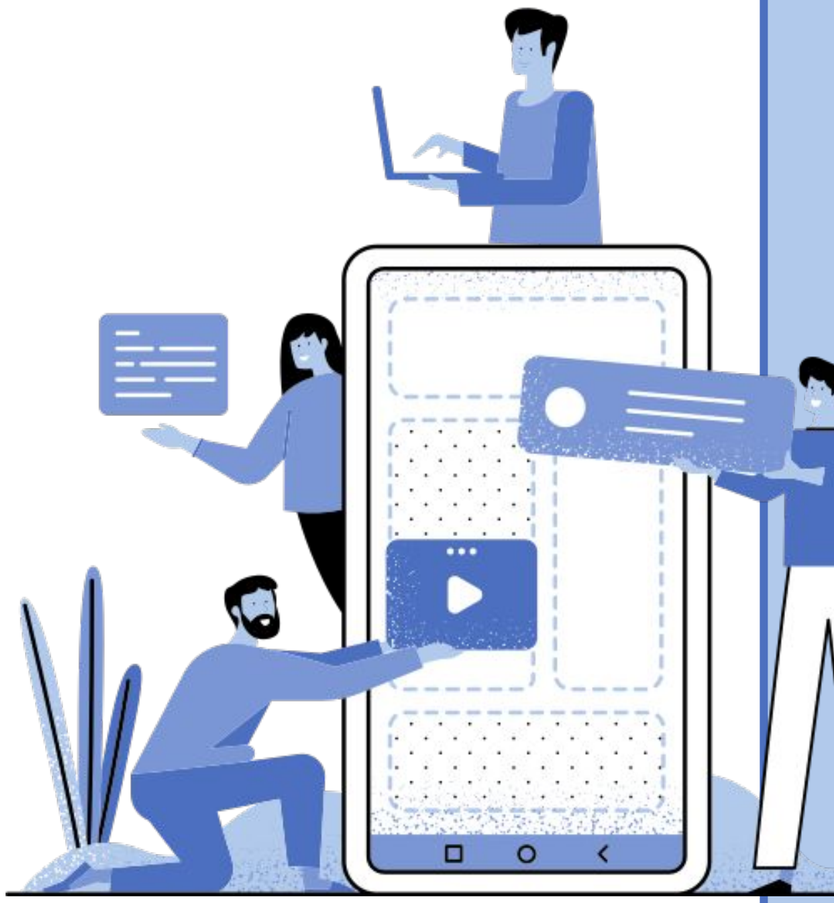
DOES IT COVER ANY EXAMS?

LINK FOR THIS DOCUMENT



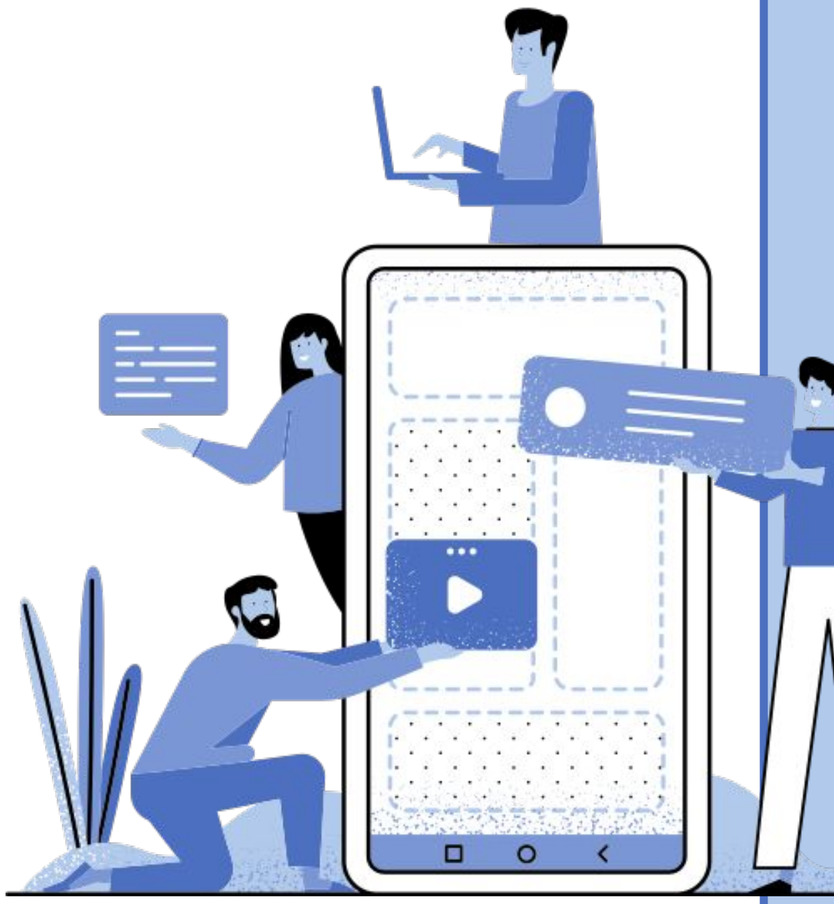
Course Information for Winter 2027

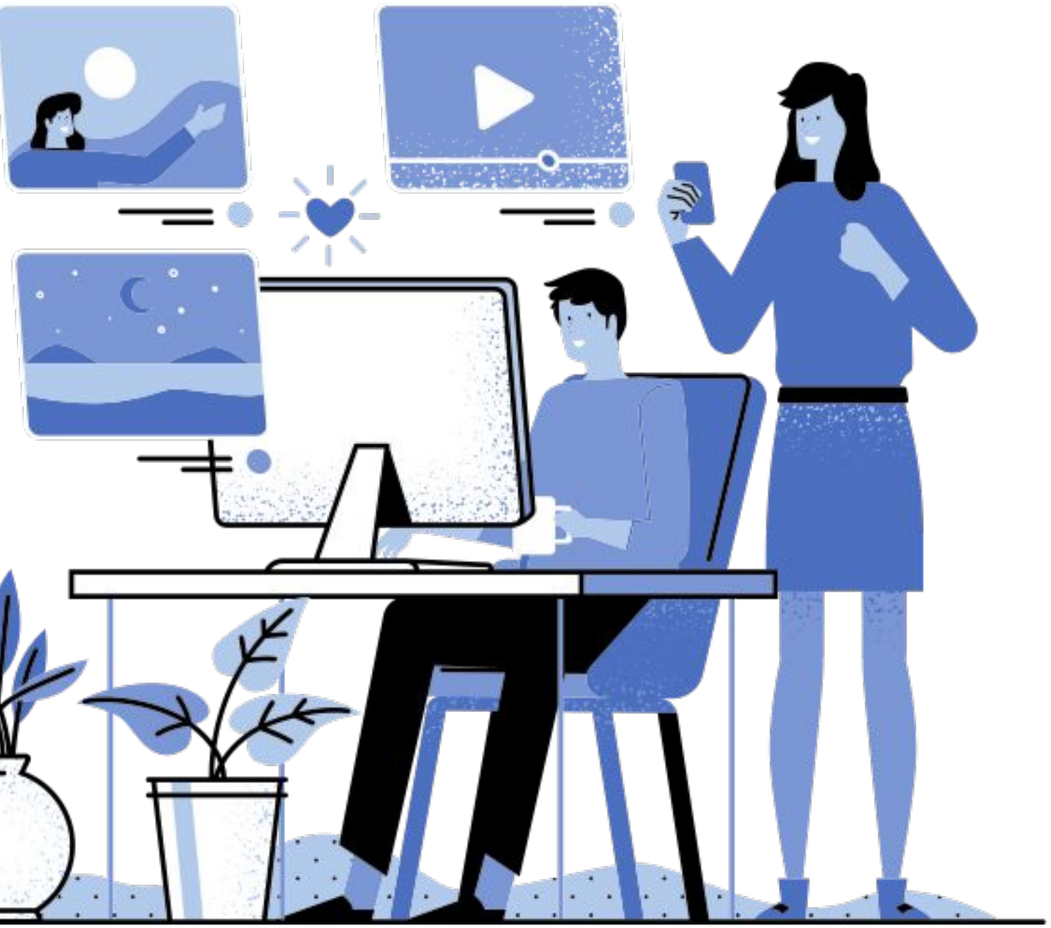
- In addition to EECS 183, there are now other introductory programming courses that satisfy the requirements for math declaration: *COMPFOR 131*, COMPFOR 133, SI 101, ENGR 101
- Students are able to pass/fail prerequisites to the general mathematics major: MATH 205/215/217, EECS 183, COMPFOR 131, COMPFOR 133, SI 101, ENGR 101
  - **Cannot pass fail ECON 101/102 if you use it for VEEs**
- Winter 2027 there will be no MATH 422, however there is MATH 327: Evolution of Mathematical Concepts for the LSA ULWR requirement (and related actuarial courses requirement)
- MATH 424 and MATH 521 are courses with University Earned Credit (UEC). Passing these classes with an 85% or higher will result in a waiver for the Actuarial Exam associated with it



Course Information for Winter 2027

- Similar to previous semesters, Instead of electing to take MATH 217, students may enroll in MATH 214 and take a specific version of MATH 351 with Hanna Bennett
  - Note new this upcoming semester, you will **ONLY** elect the four credit course of MATH 351, not an additional MATH 201 section
- Next semester, MATH 498: Topics in Modern Mathematics, is centered around Machine Learning, which can count toward the Actuarial Mathematics degree requirements as a additional related course





03

TEMPLATE FOR PLANNING

TEMPLATE:

MAKE A COPY OF YOUR OWN

LINK

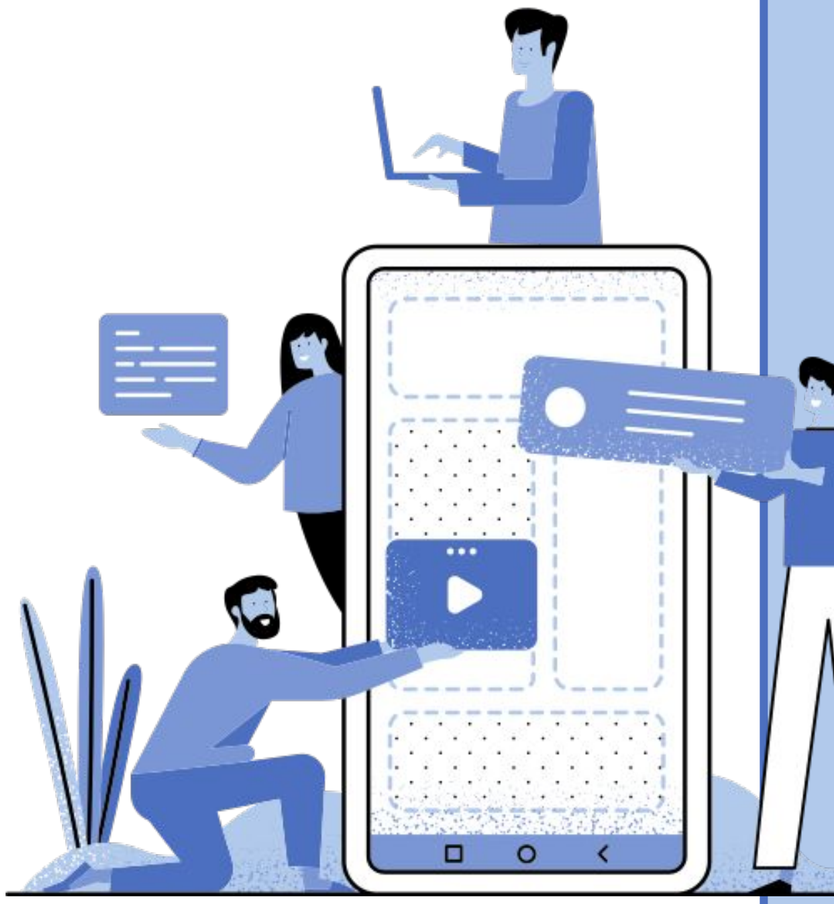
[TEMPLATE] 4-year Course Plan

File Edit View Insert Format Data Tools Extensions Help

kami

Major: Actuarial Math Minor/Major 2						
Schedule						
First Year (20XX - 20XX)						
Fall Semester	Course Type	Credits	Winter Semester	Course Type	Credits	
		0			0	
Second Year (20XX - 20XX)						
Fall Semester	Course Type	Credits	Winter Semester	Course Type	Credits	
		0			0	
Third Year (20XX - 20XX)						
Fall Semester	Course Type	Credits	Winter Semester	Course Type	Credits	

1 Actuarial Major | Course Checklist | 3 Exam Checklist | Networking List | Company Master List



BE SURE TO COPY ALONG ANY COMMENTS LEFT ON THE TEMPLATE



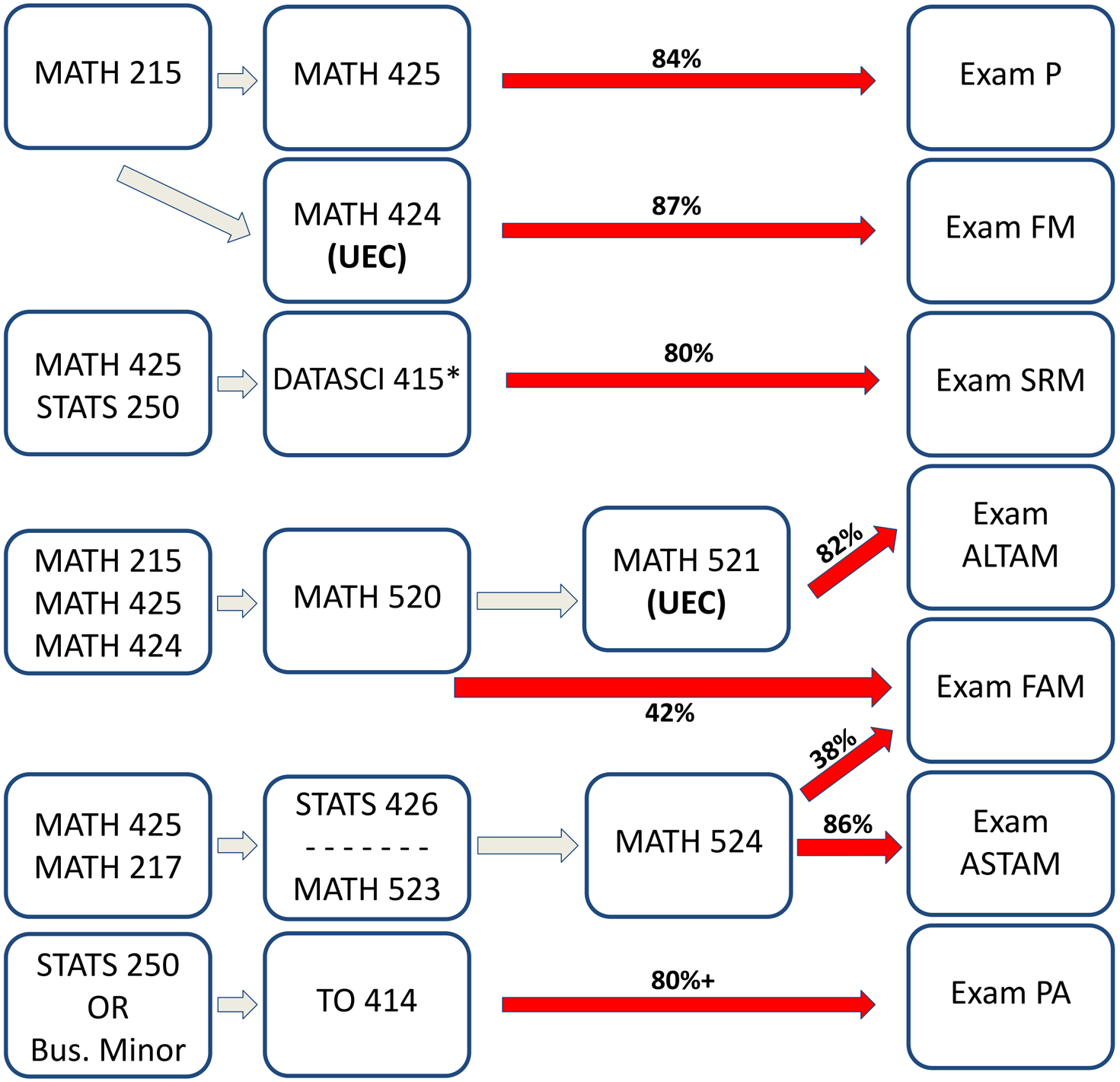
04

EXAM STRATEGY

SOA EXAMS

plan your courses based on exam sittings!

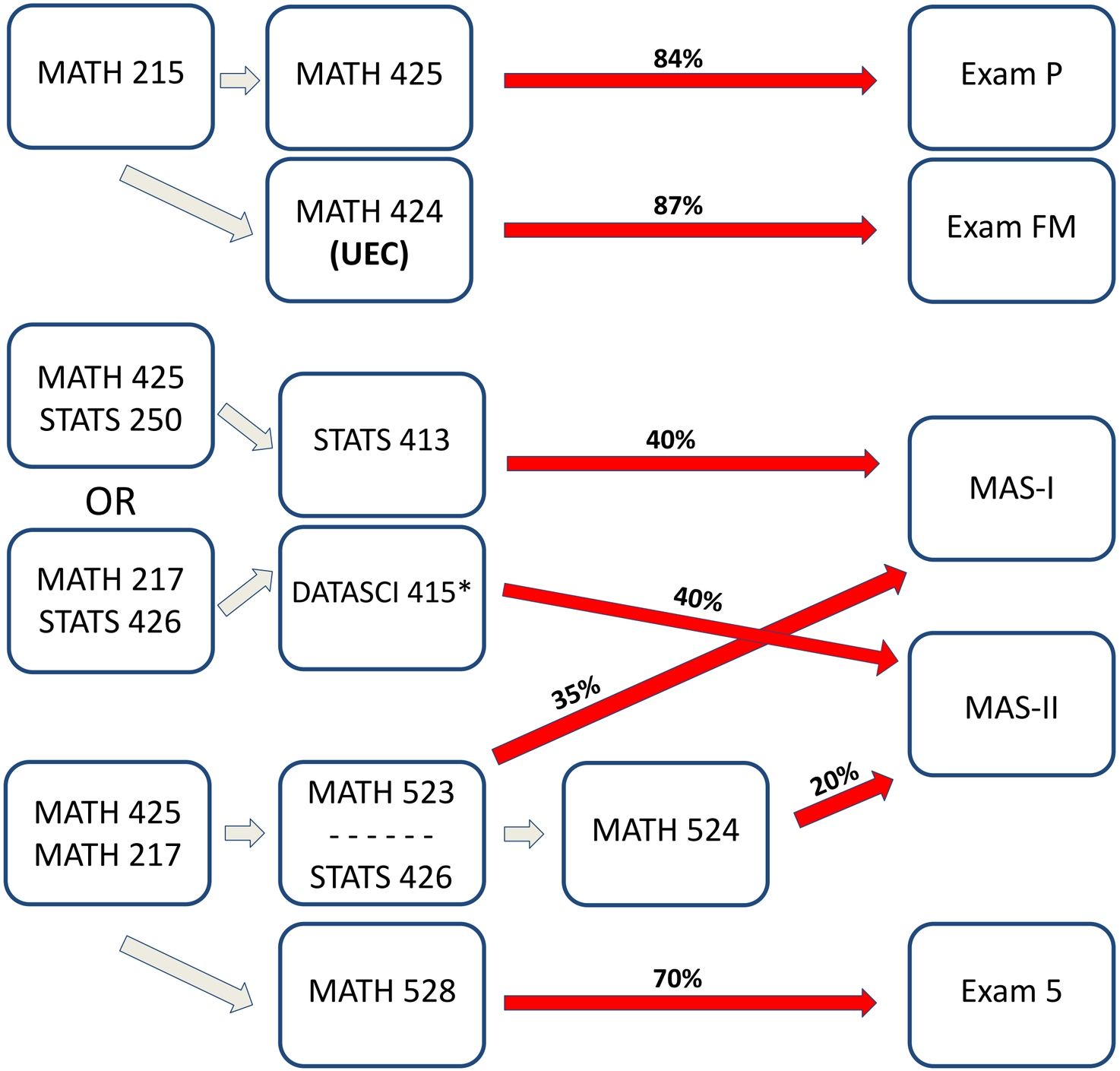
***Formerly STATS 415**



CAS EXAMS

plan your courses based on exam sittings!

**Formerly STATS 415*



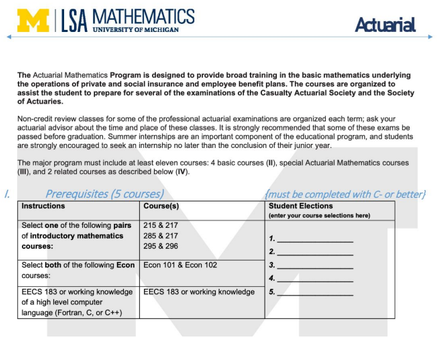
05

RESOURCES



ACTUARIAL SUBPLAN CHECKLIST

Link →



LSA MATHEMATICS
UNIVERSITY OF MICHIGAN
Actuarial

The Actuarial Mathematics **Program is designed to provide broad training in the basic mathematics underlying the operations of private and social insurance and employee benefit plans. The courses are organized to assist the student to prepare for several of the examinations of the Casualty Actuarial Society and the Society of Actuaries.**

Non-credit review classes for some of the professional actuarial examinations are organized each term; ask your actuarial advisor about the time and place of these classes. It is strongly recommended that some of these exams be passed before graduation. Summer internships are an important component of the educational program, and students are strongly encouraged to seek an internship no later than the conclusion of their junior year.

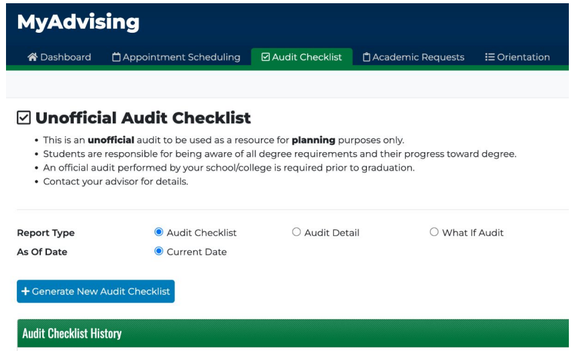
The major program must include at least eleven courses: 4 basic courses (**II**), special Actuarial Mathematics courses (**III**), and 2 related courses as described below (**IV**).

I. Prerequisites (5 courses) (must be completed with C- or better)

Instructions	Course(s)	Student Elections (enter your course selections here)
Select **one** of the following **pairs** of **introductory mathematics courses:**	215 & 217 285 & 217 295 & 296	*1.* _____ *2.* _____
Select **both** of the following **Econ** courses:	Econ 101 & Econ 102	*3.* _____ *4.* _____
EECS 183 or working knowledge of a high level computer language (Fortran, C, or C++)	EECS 183 or working knowledge	*5.* _____

DEGREE AUDIT

Wolverine Access →
Search “Degree Audit” →
Generate New Audit Checklist



MyAdvising

Dashboard | Appointment Scheduling | Audit Checklist | Academic Requests | Orientation

Unofficial Audit Checklist

- This is an **unofficial** audit to be used as a resource for **planning** purposes only.
- Students are responsible for being aware of all degree requirements and their progress toward degree.
- An official audit performed by your school/college is required prior to graduation.
- Contact your advisor for details.

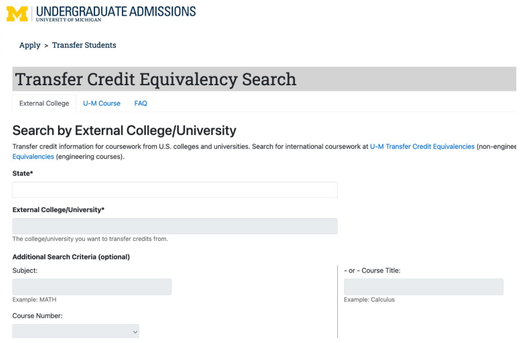
Report Type ◉ Audit Checklist ○ Audit Detail ○ What If Audit
As Of Date ◉ Current Date

+ Generate New Audit Checklist

Audit Checklist History

TRANSFER EQUIVALENCY WEB

Link →



UNDERGRADUATE ADMISSIONS
UNIVERSITY OF MICHIGAN

Apply > Transfer Students

Transfer Credit Equivalency Search

External College | U-M Course | FAQ

Search by External College/University

Transfer credit information for coursework from U.S. colleges and universities. Search for international coursework at U-M Transfer Credit Equivalencies (non-enginee Equivalencies (engineering courses).

State*

External College/University*

The college/university you want to transfer credits from.

Additional Search Criteria (optional)

Subject:

Example: MATH

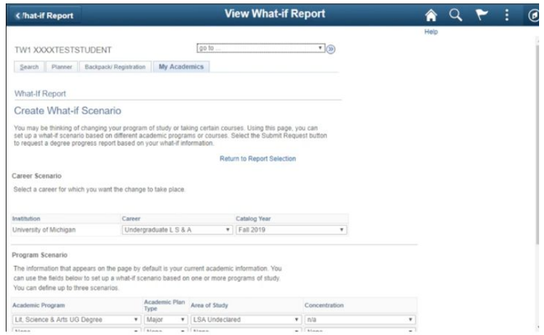
Course Number:

- or - Course Title:

Example: Calculus

WHAT-IF REPORT

Wolverine Access →
Student Business →
Search “What If Report”



What-if Report | View What-if Report | Help

TW1 XXXXTESTSTUDENT | go to ...

Search | Planner | Backpack/ Registration | My Academics

What-If Report

Create What-if Scenario

You may be thinking of changing your program of study or taking certain courses. Using this page, you can set up a what-if scenario based on different academic programs or courses. Select the Submit Request button to request a degree progress report based on your what-if information.

Return to Report Selection

Career Scenario

Select a career for which you want the change to take place.

Institution	Career	Catalog Year
University of Michigan	Undergraduate L S & A	Fall 2019

Program Scenario

The information that appears on the page by default is your current academic information. You can use the fields below to set up a what-if scenario based on one or more programs of study. You can define up to three scenarios.

Academic Program	Academic Plan Type	Area of Study	Concentration
Lit, Science & Arts UG Degree	Major	LSA Undeclared	n/a

TIMELINE

TODAY

Access Template and familiarize yourself with curriculum

EARLY/MID NOVEMBER

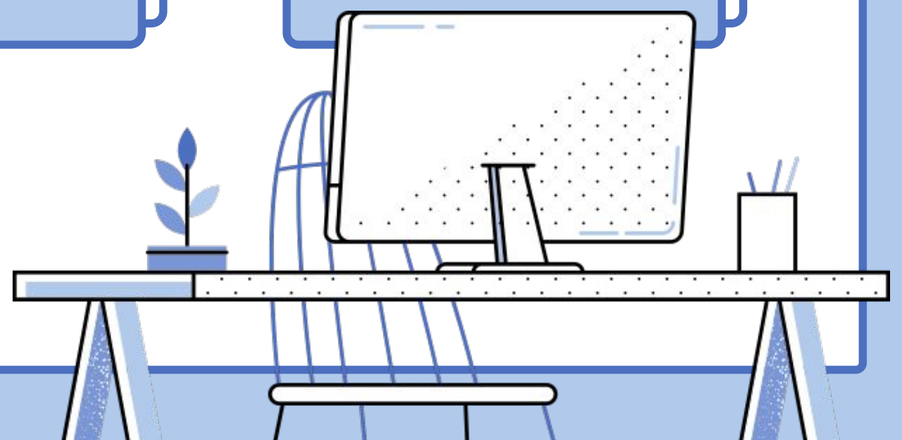
Make your plan!

LATE NOVEMBER

Reach out to SAM members about your plan

EARLY DECEMBER

Course Selection



QUESTIONS?

