

CyberAI: Scholarship for Service (SFS)

Info Session Fall 2026

Michigan Technological University | College of Computing



**Michigan
Technological
University**

Project Team and Contact

Questions? sfs@mtu.edu | mtu.edu/sfs



Yu Cai

PI

Professor, College of
Computing



Jean Mayo

co-PI

Professor, Computer Science



Todd O. Arney

co-PI

Associate Teaching Professor,
Applied Computing



Bo Chen

co-PI

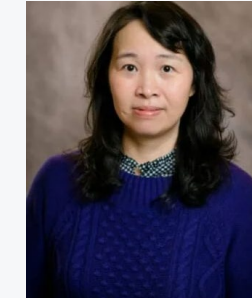
Associate Professor, Computer
Science



Chris Hohnholt

Co-PI

Pavlis Honors College



Sarah Tan

Project evaluator

Program Development
Specialist, FRI

Project coordinator: Minnan Fei

Contact: sfs@mtu.edu Web: mtu.edu/sfs

What is new for CyberAI SFS?

From CyberCorps SFS to an integrated cybersecurity + AI workforce pathway

- Michigan Tech is transitioning its former CyberCorps SFS program to a new CyberAI SFS program.
- The new focus is cybersecurity, AI, and data-driven systems for government missions.
- The planned cohort will support 11 students in an accelerated B.S. + M.S. pathway, subject to NSF funding and SFS requirements.
 - Two-year MS is possible with approval
- Applications for Fall 2026 opens now.

Info session: Sept. 10, 2026

Submission deadline: Oct. 1, 2026.

Selection announcement: Dec. 1, 2026.

Students start in Spring27 or Fall27

- Website: mtu.edu/sfs
- Questions: sfs@mtu.edu

11

planned CyberAI scholars

2 years

full-ride support

4 + 2

cyber + AI courses

BS + MS

degrees

CyberAI SFS at a Glance

The core promise, pathway, and obligations

FOCUS

Cybersecurity + AI + Government Service

SUPPORT

Two years of full-ride support

EXPERIENCE

**Mentoring, research, internships,
competitions**

WHEN TO APPLY

**Students with junior standing preparing for senior year + one-year M.S. pathway.
Or students with senior standing preparing for two-year MS pathway.**

CITIZENSHIP

U.S. citizen or lawful permanent resident.

PATHWAY

**B.S. + Accelerated M.S.
Two-year MS is also possible**

CURRICULUM

**At least four cyber + two AI courses.
In addition to BS and MS requirements**

SERVICE

**Government internship
Post-graduation government employment for
two years**

CyberAI SFS Recruitment Plan

Recruitment

Year	Student Cohort (new plan)
AY26-27	Start recruitment
AY27-28	Cohort 1: 6 BS+MS
AY28-29	Cohort 2: 5 BS+MS. Cohort 1 graduate
AY29-30 (extension 1)	Cohort 2 graduate
AY30-31 (extension 2)	

Old Michigan Tech CyberCorps SFS

The new CyberAI SFS pathway builds on a strong program history

Started in 2011, Michigan Tech's CyberCorps SFS program has supported cybersecurity workforce preparation for government service.

20

students enrolled

16

graduates; all found jobs

0

still looking with tentative
offers

4

active students

Three will graduate in May 2027, one in Dec. 2027.

CyberAI Scholarship Benefits

Financial support plus structured professional development

FINANCIAL SUPPORT

- Full-time tuition and education-related fees.
- Annual stipend: \$27,000 undergraduate; \$37,000 graduate.
- Professional development allowance up to \$6,000 per academic year for travel, conferences, and certifications.

PROGRAM SUPPORT

- Personalized academic advising and faculty mentoring.
- Career preparation for internships and government placement.
- Learning community with research, outreach, competitions, and professional development.

Scholar Obligations

What scholars commit to during and after the scholarship period

- Work after graduation for a federal, state, local, or tribal government organization in cybersecurity, AI, or both.
- Complete service for a period equal to the length of scholarship support.
- Participate in required government internship opportunities during scholarship summers.
- Maintain good academic standing and make satisfactory progress toward the approved B.S. + M.S. degree plan.
- Complete required SFS documentation and participate in advising, mentoring, professional development, research, outreach, and competitions.

Eligibility Requirements

Core eligibility conditions for CyberAI SFS consideration

- Be a U.S. citizen or lawful permanent resident.
- Meet selection criteria for U.S. federal employment; internships and jobs may require background investigations and security clearances.
- Have strong academic performance, normally including at least a 3.0 undergraduate GPA.
- Be a current full-time student in an approved computing B.S. degree in the College of Computing.
- Demonstrate motivation and commitment to government service in cybersecurity, AI, or related areas.

Participating Degree Programs

Most B.S. computing degree programs in the College of Computing are eligible

B.S. PROGRAMS

- Cybersecurity
- Computer Science
- Software Engineering
- Information Technology
- Data Science
- Artificial Intelligence

M.S. OPTIONS

- Cybersecurity
- Computer Science
- Data Science

- Exceptional students from other undergraduate majors may be considered with strong preparation and public-service commitment.

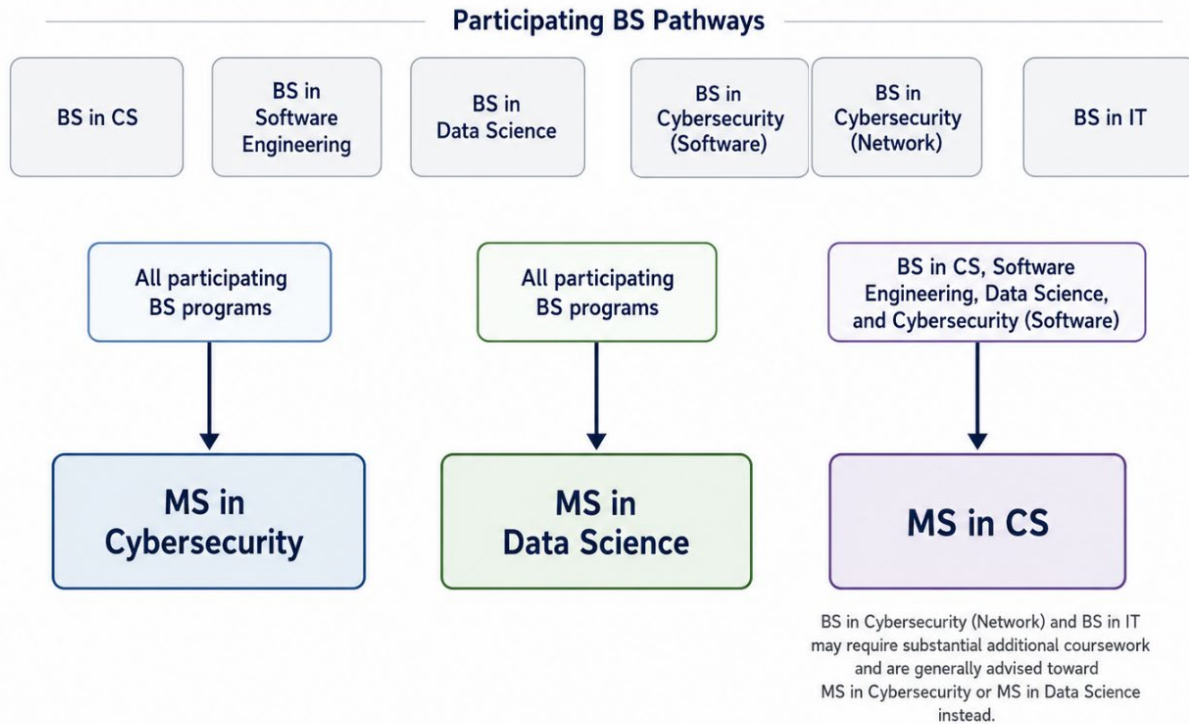
Scholars may choose any B.S. + M.S. combination subject to prerequisites, course sequencing, and project director approval.

Academic Pathway

Designed primarily for junior-standing students

Viable BS-to-MS Pathways in the CyberAI SFS Program

Pathways are determined through prerequisite review, faculty advising, and individualized degree planning.



PRIMARY PATHWAY

- Junior year: apply and plan the senior + M.S. pathway.
- Senior B.S. year: first year of SFS support.
- M.S. year: second year of SFS support.

OTHER APPLICANTS

- Senior-standing students may apply and plan a two-year M.S. degree, especially when bridge courses are needed.
- High school, freshman, and sophomore students should prepare through cybersecurity and AI activities and apply in a future year.

CyberAI Pathway Viability

Viability Matrix

BS pathway	MS Cybersecurity	MS Data Science	MS Computer Science
BS Computer Science	Direct	Direct	Direct
BS Software Engineering	Direct	Direct	Direct
BS Data Science	Attention: add cybersecurity foundations	Direct	Attention: add CS theory/systems breadth
BS Cybersecurity - Software Security	Direct	Attention: add statistics and data foundations	Conditional: bridge-heavy; not default
BS Cybersecurity - System and Network Security	Direct	Attention: add statistics and data foundations	Conditional: very bridge-heavy; not default
BS Information Technology	Direct	Attention: add statistics and data foundations	Conditional: very bridge-heavy; not default

Example Pathway: MS Data Science

— Viable pathways

Core Courses (4 courses)

- BA 5200 - Information Systems Management and Data Analytics
- MA 5790 - Predictive Modeling
- UN 5550 - Introduction to Data Science
- Choose one
 - CS 4801 - Foundations of Machine Learning
 - CS 5841 - Deep Learning
 - EE 5841 - Machine Learning

Students without sufficient math background (Cyber and IT) should first take **MA5701 (Statistical Methods)**, **MA3740 (Statistical Programming)**, **BA5200**, and **UN5550**.

After completing these courses, **MA5790** and **CS4801** (with instructor approval) become available, then opening access to the full pathway, particularly the SAT courses.

All courses mentioned will count toward the MS in Data Science.

UN5550 can replace Data2201 in pre-reqs.

Still need 4 Cyber + 2 AI courses. Need to select more Cyber courses in electives.

Example Pathway: MS Cybersecurity

— Viable pathways

Core Courses (4 courses)

- CS 4471/5471 Computer Security or SAT 5111 Security and Privacy
- CS 4723 Network Security
- CS 4001/5001 National Cybersecurity Policy and Law
- CS 5350 Modern Cryptography or MA 3203 Introduction to Cryptography

Students without sufficient security background (DS) should first take **SAT4812 Cybersecurity II** (with instructor approval), **SAT5111**, **CS5001**, and **MA3203**.

After completing these courses, then **CS4723** and the full pathway.

SAT4812 will be a bridge course and won't count towards MS Cyber.

Still need 4 Cyber + 2 AI courses. Need to select more AI courses in electives.

Example Pathway: MS Computer Science

— Viable pathways

The MS CS has somewhat complex core and breadth requirements.

It is open to BS CS and BS SE students at Michigan Tech, but may require substantial bridge coursework for students from other majors.

Mainly for BS CS and BS SE students, with selection of 4 cybersecurity courses and 2 AI courses.

CyberAI Curriculum Model: 4 Cyber + 2 AI

A compact 4 + 2 structure supported by experiential learning

4

approved
cybersecurity courses

2

approved AI-related
courses

+

research, internships,
mentoring, professional
development

FIVE CORE COMPETENCIES

- Foundational cybersecurity knowledge and skills.
- Foundational AI knowledge and skills.
- Applying AI techniques to cybersecurity challenges.
- Securing AI-enabled systems.
- Operating effectively in government and mission-driven environments.

MS Degree Rules

Choose at least four approved cybersecurity courses

Rules

- Accelerated MS degrees: May double count up to 9 credits between BS and MS. Can be any 9 overlapping 4000 level credits.
- Senior rule: Take 5000 courses during senior year, for flat tuition
<https://www.mtu.edu/registrar/students/registration/policies/senior-rule/>
A student so enrolled and carrying 6 credits or more in 5000 level courses may carry no more than 16 credits of course work per semester.
- No more than 12 credits of 4000 and 3000 courses. And 3000 courses must be MS approved courses.
- Maintain grade of B or above
- Total 30 credits (10 courses) for MS
- Check course substitutions for dual-listed courses between BS and MS.
For example, SAT4520/5520 ML in Cybersecurity can only be taken once. Ask before you register.

Approved Cybersecurity Courses: Examples

Choose at least four approved cybersecurity courses

SYSTEMS AND SOFTWARE

- Computer Security; Network Security; Development of Trusted Software; Advanced Topics in Computer Security
- Dependable and Secure CPS-IoT; IoT; Industrial Control Systems; Automotive Systems Security.
- Software processes, model-driven development, systems performance analysis, embedded software foundations

SECURITY PRACTICE AND POLICY

- National Cybersecurity Policy & Law; Modern Cryptography; Digital Forensics.
- Penetration Testing; Security and Privacy; Blockchain Fundamentals.
- Machine Learning in Security; Cybersecurity I/II; Information Governance and Risk Management.

Additional courses may be added with project team approval.

Approved AI Courses: Examples

Choose at least two approved AI-related courses

AI AND DATA SCIENCE

- Foundations of Data Science; Introduction to AI Applications; Artificial Intelligence.
- Foundations of Machine Learning; Deep Learning; Natural Language Processing.
- Data Mining; Advanced Data Mining; Data Visualization; Big Data Analysis.

APPLICATIONS AND RESPONSIBLE AI

- AI Theory and Applications; Human-Robot Interaction; AI Tools and Applications.
- AI in Healthcare; Machine Learning for Drug Discovery; AI Engineering Applications.
- AI Ethics; AI & Emerging Technologies for Business; Business Intelligence and Analytics.

Additional courses may be added with project team approval.

Learning Community, Mentoring, and Professional Development

A structured support system for scholarship success

- Faculty mentors, peer mentors, external mentors, Pavlis Honors College, Career Services, alumni, and government partners.
- Individual Development Plan covering coursework, research, experiential learning, outreach, professional development, internship preparation, and career goals.
- Regular meetings with faculty mentors and advisors to review progress and refine plans.
- Activities include research, competitions, conferences, certifications, outreach, communication, teamwork, leadership, ethics, and career readiness.

Candidate Selection

A selective process focused on completion and placement potential

PROCESS

- The scholarship is highly selective and subject to grant funding availability.
- Initial application review → interview → additional eligibility/background information → final selection.
- The program goal is strong completion, graduation, and qualifying government placement outcomes.

SELECTION CRITERIA

- SFS eligibility and ability to meet government employment requirements.
- Academic performance and potential.
- Relevant cyber, AI, data science, research, internship, project, competition, certification, or outreach experience.
- Motivation for CyberAI, public service commitment, professionalism, communication, leadership, and teamwork.

Application Materials

Prepare a complete application before using the submission button

- Acknowledgement of U.S. citizenship or lawful permanent resident status. No need to upload passport or government-issued ID at this stage.
- Resume of no more than two pages, including GPA, awards, honors, technical skills, work experience, certifications, leadership, and service.
- Transcripts from all colleges and universities attended; unofficial copies are acceptable at this stage.
- Personal statement of no more than two pages or short video of no more than ten minutes.
- Initial degree plan listing current B.S. program, desired M.S. options, expected B.S. graduation date, tuition status, and initial M.S. course thoughts. You may work with your academic advisor to draft a preliminary version. If you are admitted, we will work with you to refine the plan.
- Names and contact information for two reference providers; letters are not required at this stage.

How to Apply

Use the current CyberAI SFS webpage for the official application process

- Visit mtu.edu/sfs and use the yellow CyberAI application submission button when applications open.
- Review eligibility, degree pathway, and course expectations before submitting.
- Prepare your initial degree plan early; the project team will help refine it if you are admitted.
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Q & A

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