

Financial Engineering Flowsheet

2026-2027 Catalog

rev. 08/17/2026

Name: _____

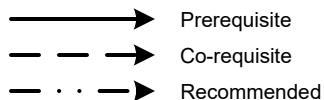
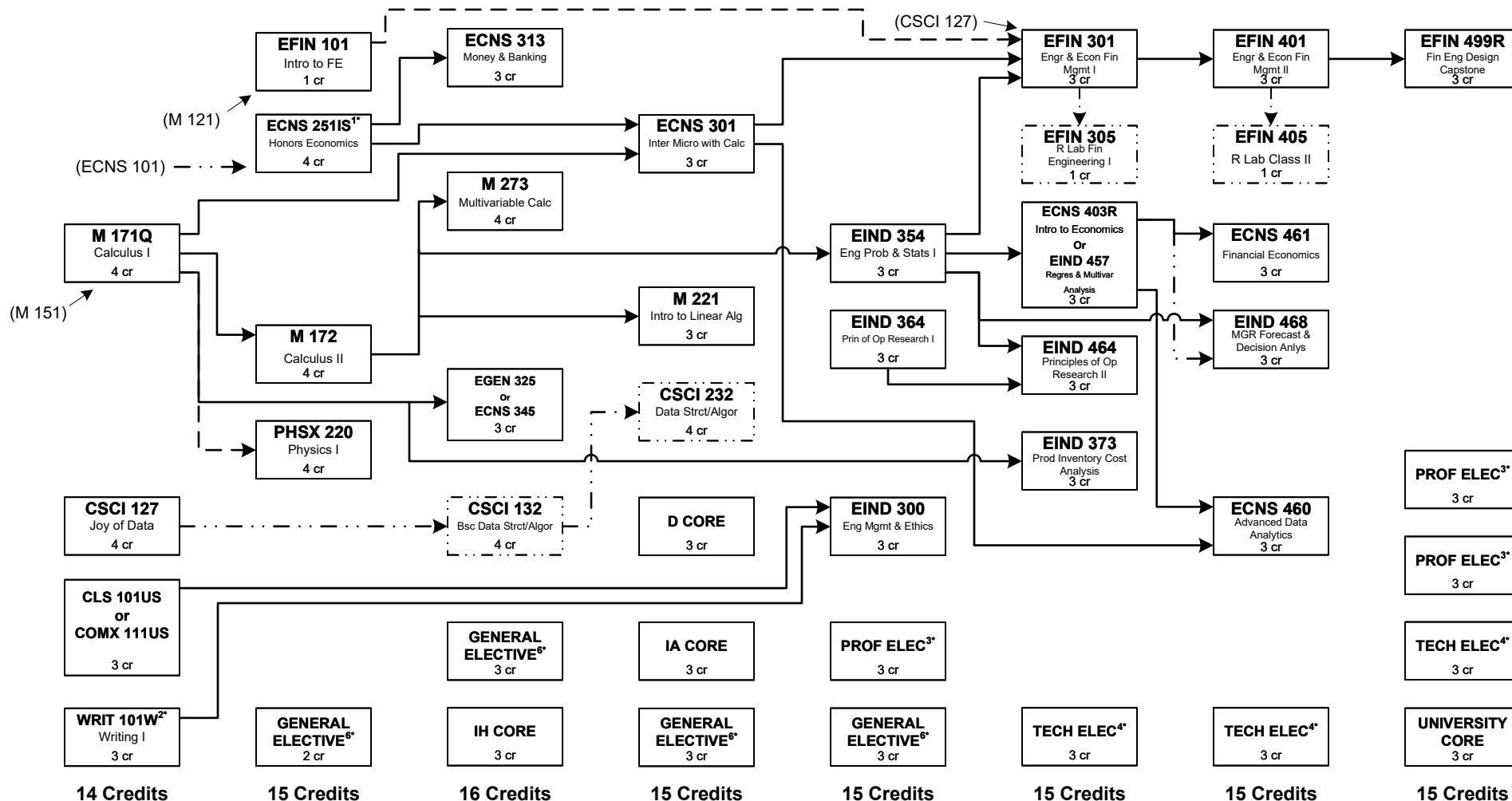
Advising Date: _____

Advising Term: _____ Year: _____

2026-2027

For planning purposes: The MSU catalog displays official degree and prerequisite requirements. Some courses from prior catalogs have been discontinued or replaced. It is recommended that students on catalogs prior to 2022 follow this flowchart to complete their degree requirements.

YEAR 1		YEAR 2		YEAR 3		YEAR 4	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING



- 1 — Priority registration is given to honors and EFIN students. Others considered if space is available. May substitute ECNS 202 and ECNS 204IS
- 2 — Students exempt from MSU writing requirement must still meet the minimum credit requirement for their degree. The additional credits needed should be satisfied by taking college-level free electives as recommended in the M&IE writing exempt policy.
- 3 — See list of eligible Professional Electives on back.
- 4 — See list of eligible Technical Electives on back.
- 5 — Prerequisites for CSCI Technical Elective options.
- 6 — General electives count towards the 120 total credits required to graduate that do not directly count toward this major and may be used to complete minors and additional major degree programs. General electives can be used to complete the Contemporary Issues & Inquiry Natural Science Core required by all university students

MSU Core 2.0 Checklist

To fulfill the Core 2.0 requirements for MSU, in addition to courses required for the degree, EFIN students must complete 3 credits each of Diversity (D), Inquiry-Humanities (IH), Inquiry-Arts (IA) and a Permitted CS/IN Substitution.

Core	Course Code	Cr.	Sem.	Gr.
D				
IH / RH				
IA / RA				
Permitted Sub				

Professional Electives Tracker

9 credits required. Choose from among the following: AGBE 321, AGBE 421, AGBE 445, BFIN 420R, BFIN 435, BFIN 452, BFIN 456, BFIN 458, BFIN 460, BFIN 491, BGEN 361, BMGT 405, ECNS 303, ECNS 310, ECNS 312, ECNS 314, ECNS 316, ECNS 317, ECNS 320, ECNS 332, ECNS 403R, ECNS 432R, ECNS 451, ECNS 490R, ECNS 492, EFIN 498, EGEN 310R, EGEN 492, EIND 425, EIND 434.

Note: May substitute EIND 373 and ECNS 345 or EGEN 325 for BFIN 322 prerequisite, and substitute ECNS 313 for BFIN 357 prerequisite. May not double count ECNS 403R as PE and to satisfy EIND 457 substitution.

Course Code	Cr.	Sem.	Gr.

Technical Electives Tracker

9 credits required. Choose from among the following: CSCI 347, CSCI 440, CSCI 446, CSCI 447, ECNS 309, ECNS 502, ECNS 503, ECNS 504, ECNS 561, ECNS 562, EIND 422, EIND 455, EIND 458, EIND 477, ESOF 322, ESOF 422, ESOF 522, M 274, M 441, STAT 408, STAT 421.

Course Code	Cr.	Sem.	Gr.

Note: 500 level courses may not double count towards an undergraduate program and a graduate program.

Common Minors/Certificates/Master's

Because of the interdisciplinary nature of the major, EFIN students can often complete a minor with only a few additional courses if professional and technical electives are chosen carefully. Requirements for some common minors, graduate certificates, and master's programs are listed below. The relationship to EFIN major courses is indicated as follows:

(R) - required course for EFIN majors

(PE) - professional elective

(TE) - technical elective

See MSU catalog for official requirements.

Economics Minor

Must complete an additional 9 credits of upper-level electives above Fin. Eng. major requirements (excludes AGBE 353).

Grad. Cert. in Applied Economic Analysis

ECNS 501, ECNS 502, ECNS 561, and ECNS 562.

May not double count courses as TE.

Engineering Management Minor

May obtain minor without additional courses if student takes:

1. ECNS 345 or EGEN 325 (R)
2. EIND 434 (TE),
3. EIND 457 (R even springs) or EIND 455 or EIND 458 or EIND 477 (TE),
4. Two of: BGEN 361, ECNS 309, or EIND 425 (PE).

Accelerated Master's Program in IE

Fin Eng. + Eng. Man. minor students are eligible.

Computer Science Minor (non-teaching)

May obtain minor by taking:

1. CSCI 132 and CSCI 232
2. Three CSCI courses as TEs.
3. Two additional CSCI courses (any level).

Contact School of Computing for substitution approval on a case-by-case basis

Mathematics Minor (non-teaching)

May obtain minor by taking:

1. M 274, M 441, and STAT 421 as TEs.
2. One additional upper-level math/stat course.

Contact Depart. of Mathematical Sciences for approval and verification of coursework.

Data Science Minor

May obtain minor by taking:

1. CSCI 132 and CSCI 232.
2. STAT 337.
3. Three upper-level electives as TEs.

FE students may substitute STAT 337 for EIND 354. EIND 457 or ECNS 403 may count as one upper-level DS elective. Contact School of Computing for substitution approval on a case-by-case basis and verification of coursework.

Finance Minor

May obtain minor by taking:

1. BMIS 211 and ACTG 201.
2. Three upper-level BFIN courses (PE).

Contact College of Business Office of Student Services for approval and verification of coursework.

International Business Minor

May obtain minor by taking:

1. BGEN 210 or EGEN 330.
2. BGEN 242D
3. BMKT 325 or BFIN 322 or EGEN 330.
4. BFIN 452 (PE) and either BMKT 441 or BMGT 464.
5. Three approved electives with geographic or subject matter focus.

Contact College of Business Office of Student Services for approval and verification of coursework.

Agricultural Business Minor

May obtain minor by taking:

1. AGBE 321 (PE) and AGBE 345 (R).
2. One upper-level AGBE/ECNS course (PE).