

# Advising resources for math faculty

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## Useful links

[CLAS Faculty Advisor resources page](#) • [CLAS Advising Center](#) • [University advising page](#)  
[Math advising main page](#) • [Goals for math advising](#) • [Tips for talking with advisees](#)  
[Math Advising Frequently Asked Questions](#) - for odd advising situations (updated frequently)  
[Navigate](#) - Central location for finding student information and [recording advising notes](#)

## Key dates for reaching out to advisees and templates for correspondence

- First week of each semester - Welcome students, encourage them to meet with you
- When student becomes an advisee (if in the middle of a semester)
- Early March, before [registration](#) - Encourage to meet with you to make a plan
- [Sample introductory and registration planning emails](#)

## Faculty resources for math major advising

- **Advisee list:** [Navigate](#) → Login. You'll see an advisee list on the front page; click on any one to get detailed information.
- **Email all advisees (templates):** [Banner](#) → GVSU Faculty/Staff Additional Student information → Advisee list. Send an email to all advisees from the bottom of this page.
- Advisees Blackboard page: [Blackboard](#) → "Organizations", there is an organization for your advisees. You can email advisees from here, but make the organization available first (top right → Organization Settings).
- [Math major advising checklists](#) (department) - list of requirements for each emphasis
- [Math major 4-year plans](#) (CLAS Advising Center) - suggested student schedules
- [Math course offering plan](#) - be aware of classes only offered once per year or less, especially MTH 360, 405, and 498.
- [Math policies site](#) for other useful information
- [Math major newsletter](#) website (archive of past newsletters is on the bottom of the page)
- Good minor options for math majors:
  - Mathematical statistics and STA 425: preparation for actuary, risk analyst, forecasting careers
  - Applied statistics: preparation for biostatistics, statistical surveying, business analyst careers
  - Business: preparation for business analyst, credit analyst, financial analyst, supply chain analyst type careers
  - Computer science: preparation for programming, data science, information analyst careers
  - Data science: preparation for data science and data analyst careers
  - Digital studies: Using and understanding ethics of digital tools
  - Engineering science: preparation for process engineer, project engineer, quality engineer careers

- STEM ethics: philosophical grounding of ethical behavior aimed at STEM majors

### **Career & Internship Opportunities**

- [GVSU Career Center](#): Free resume advice (current students and alumni) and interview guidance (online tool for interview practice; scholarship for unpaid, for-credit internships)
- [Career Fairs and networking events](#): free for all students and alumni
- [US 301](#) (Internship and Job Search Strategies) is a good class for students to consider
- [MTH 490](#) (Mathematics Internship Seminar) can earn credit for a “mathy” internship
- [Handshake](#): job posting board; local, national and international opportunities
- [Career Opportunities for Math Majors handout](#): A list of web sites/pages with career information relevant for math majors

### **Students Research Opportunities**

- [Office of Undergraduate Research & Scholarship](#) & [Programs they fund](#)
- [Math undergraduate research guide](#) for students, including faculty research interests
- Undergraduate research fair (early October)
- List of [REUs and similar programs](#)

### **Getting students to take one more math course**

- [Math minor guides](#): How students in various majors can easily add a math minor. Students in catalog year 2018 or earlier have slightly different requirements, ask David Clark for details.
- Common substitutions for students adding a [math major](#); [math minor](#). These can help make it easier for students to add a major or minor based on their current major.

### *Math courses that can be easy for students in other majors to add*

- Computer Science majors: MTH 204 - Linear Algebra 1, MTH 205 - Linear Algebra 2, MTH 360 - Operations Research, MTH 465 - Automata and Theory of Computation (cross-listed as CIS 465).
- Engineering majors: MTH 205 - Linear Algebra 2, MTH 305 - Mathematical Modeling, MTH 401 - Mathematics for Physical Sciences, MTH 402 - Complex Variables (for electrical engineers). Encourage engineers interested in a math minor to take MTH 204+MTH 304 instead of MTH 302 – their advising center will approve this substitution.
- Stats majors: MTH 205 - Linear Algebra II, MTH 360 - Operations Research
- Science majors: MTH 304 - Differential Equations, MTH 204 - Linear Algebra I

### **Other resources for students**

- [Academic Success coaching and workshops](#) through GVSU
- [Academic skills resources](#)
- “[How to study](#)” video series from Samford University
- [University Counseling Center](#)
- [Support for basic needs](#) (e.g. food, housing, health, financial support)