INDUSTRIAL ENGINEERING: SYSTEMS ENGINEERING AND ANALYTICS, M.S.

This is a named option course-based program within the Industrial and Systems Engineering M.S. (http://guide.wisc.edu/graduate/industrial-systems-engineering/industrial-engineering-ms).

The program in Systems Engineering and Analytics (https://www.engr.wisc.edu/app/uploads/2017/02/SEA-Web-1.pdf) will train students to recognize, identify, analyze, and solve decision problems arising in the efficient operations of engineering systems. The program focuses on methods and models for data analytics and data-driven decision-making.

IS THIS PROGRAM RIGHT FOR YOU?

Analytics, and the ability to effectively utilize data, is quickly becoming an important component in engineering decision making. There is a strong need in the marketplace for people who use analytical tools to transform data into insights for making better decisions. The Systems Engineering and Analytics option within the UW–Madison graduate program in Industrial and Systems Engineering offers students the opportunity to pursue graduate training in this important and emerging area, under the auspices of the foremost experts in their field, in one of the world’s top-ranked departments of industrial and systems engineering. (We were ranked 8th in the latest US News and World Report rankings). The flexible curricula in Systems Engineering and Analytics enable students to tailor their degree program to suit their particular needs and career objectives.

After completing your degree, you will be able to analyze, process, and build conclusions based on the data you collect in the design, testing, and operations phases of engineering and design processes.

The program includes training in optimization models and methods, applied industrial analytics, simulation modeling and analysis, and courses wherein these analytical and computational tools are applied in an engineering systems setting. These learned skills are now highly sought after in manufacturing, transportation, finance, healthcare, and other industrial sectors.

WHAT YOU LEARN

- Acquire mathematical, scientific, and engineering principles in analytics.
- Utilize data-driven methodologies to formulate, analyze, and solve advanced engineering problems.
- Evaluate relevant analytical, computational, engineering tools to address advanced systems engineering problems.
- Solve real-world problems using computer-assisted, data-driven decision making technologies.

If questions, please contact COE Grad Admissions at iegradadmission@engr.wisc.edu; Subject Line: IE Grad Admissions and I Sy E Seniors please contact Pam Peterson, prpeterson@wisc.edu, with questions. Please see admission requirements under the Apply Now tab below.

ADMISSIONS

Please consult the table below for key information about this degree program’s admissions requirements. The program may have more detailed admissions requirements, which can be found below the table or on the program’s website. Graduate admissions is a two-step process between academic programs and the Graduate School. Applicants must meet the minimum requirements (https://grad.wisc.edu/apply/requirements) of the Graduate School as well as the program(s).

Once you have researched the graduate program(s) you are interested in, apply online (https://grad.wisc.edu/apply).

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall Deadline</td>
<td>December 15</td>
</tr>
<tr>
<td>Spring Deadline</td>
<td>October 1</td>
</tr>
<tr>
<td>Summer Deadline</td>
<td>The program does not admit in the summer.</td>
</tr>
<tr>
<td>GRE (Graduate Record Examinations)</td>
<td>Required.*</td>
</tr>
<tr>
<td>English Proficiency Test</td>
<td>Every applicant whose native language is not English or whose undergraduate instruction was not in English must provide an English proficiency test score and meet the Graduate School minimum requirements (<a href="https://grad.wisc.edu/apply/requirements/#english-proficiency">https://grad.wisc.edu/apply/requirements/#english-proficiency</a>).</td>
</tr>
<tr>
<td>Other Test(s) (e.g., GMAT, MCAT)</td>
<td>n/a</td>
</tr>
<tr>
<td>Letters of Recommendation</td>
<td>3</td>
</tr>
</tbody>
</table>

* UW-Madison Industrial Engineering undergrads and applicants with prior institutional approval are waived from the GRE requirement.

APPLICATION DEADLINES

- **Fall**: Dec. 15th
- **Spring Admission**: Oct. 1st

ADMISSIONS

Applicants must first meet all of the requirements of the Graduate School.

- Applicants must also meet department specific requirements as outlined below:
  - BS degree in engineering or related area or equivalent
  - Mathematical Statistics Course (for example, STAT 312 Introduction to Theory and Methods of Mathematical Statistics II)
  - Introduction to Programming Course (for example, COMP SCI 301 or COMP SCI 220 Data Programming I)
  - Non-native English speakers must have a Test of English as a Foreign Language (TOEFL) score of 580 (written), 243 (computer-based test), or 92 (Internet version).
  - The Graduate Record Examination (GRE) is *required for this masters programs in I Sy E. Information on taking the GRE exam can be found here (https://www.ets.org/gre). Please note: Applicants should plan to take their exam by December 1 to allow scores to be sent and processed.
FOR UW STUDENTS ONLY:

1. UW–Madison undergraduate students applying to this program must submit a UW transcript, but it may be an unofficial transcript.
2. UW-Madison undergraduate students may apply 6 approved credits towards their Masters of Science in Industrial Engineering.* ***

*Coursework earned five or more years prior to admission to a master's degree or coursework earned ten or more years prior to admission to a doctoral degree is not allowed to satisfy requirements.

FOR UW I SY E STUDENTS ONLY:

1. Three letters of recommendation are NOT required for students completing their I Sy E bachelor's degree at UW. Please note that the application system will still require you to list three individuals as recommenders. You are welcome to list Jim Luedtke, Pam Peterson, and Maria Zarzalejo to bypass this requirement.
2. I Sy E undergrads and applicants with prior institutional approval are waived from the GRE requirement.

HOW TO APPLY

1. Fill out an online application (https://apply.grad.wisc.edu/Account/Login?ReturnUrl=%2f) through the Graduate School website and pay the application fee (https://grad.wisc.edu/admissions/faq).
2. List three recommenders and their contact information as part of the online application. An email will be sent to the recommender, asking that they submit their letter online using the Graduate School’s recommendation form. Applicants can log back into their online application to re-send the email request if the recommender loses the email. Letters of recommendation must be submitted electronically.
3. Submit a Statement of Purpose (https://grad.wisc.edu/prospective/prepare/preparation) with your online application.
4. GRE Exam Information (https://www.ets.org/gre): The course-only option does require the GRE exam to be taken by prospective students as part of the application but note there are no specific scoring guidelines for the exam as the GRE is only one part of the consideration for admission into the program. Please note: Applicants should plan to take their exam by Dec. 1st to allow scores to be sent and processed.
5. TOEFL Exam Information: Ask ETS (https://www.ets.org) to submit your TOEFL scores to the UW–Madison Graduate School (Institution Number 1846). If you have your scores sent to UW–Madison, they will be available online to all the departments to which you have applied. The institution code, therefore, is the only number needed. For more information please visit the Graduate School Requirements (https://grad.wisc.edu/admissions/requirements)page. Please note: Exam information must be valid at the start date of the semester that you are applying for (nonexpired).
6. Electronically submit one copy of your official transcript with your application. Unofficial copies of transcripts will be accepted for review but official copies are required for admitted students.

NOTE: PLEASE DO NOT SEND MATERIALS/DOCUMENTS TO THE I Sy E DEPARTMENT OR GRADUATE SCHOOL UNTIL YOU ARE RECOMMENDED FOR ADMISSIONS. ALL DOCUMENTS SHOULD BE UPLOADED WITH YOUR APPLICATION.

*Application deadlines are strictly enforced and ALL application materials including transcripts, letters and TOEFL scores MUST be included and submitted by the application deadline. Please note our office does not provide feedback to applicants as to their potential for admission - please review both the I Sy E department and Graduate School requirements for admission and if you feel you meet the necessary criteria for applying, please do so.

QUESTIONS?

Check out the Admissions FAQ (https://grad.wisc.edu/admissions/faq) or contact us at iegradadmission@engr.wisc.edu.

FUNDING

GRADUATE SCHOOL RESOURCES

Resources to help you afford graduate study might include assistantships, fellowships, traineeships, and financial aid. Further funding information (https://grad.wisc.edu/funding) is available from the Graduate School. Be sure to check with your program for individual policies and processes related to funding.

PROGRAM RESOURCES

Financial assistance, such as TA, PA, or RA positions from the university or the department is not recommended given the accelerated structure and timeline of the program.

If you would like to pursue funding on your own, the following sites could be helpful:
- Graduate School Funding Resources (https://grad.wisc.edu/studentfunding/)
- Graduate School Costs and Funding (https://grad.wisc.edu/studentfunding/currentstudents)
- Tuition & Fees (https:// registrar.wisc.edu/tuition_&_fees.htm)

REQUIREMENTS

MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum academic progress and degree requirements (http://guide.wisc.edu/graduate/#policiesandrequirestext), in addition to the program requirements listed below.

NAMED OPTION REQUIREMENTS

MODE OF INSTRUCTION

<table>
<thead>
<tr>
<th>Face to Face</th>
<th>Evening/Weekend</th>
<th>Online</th>
<th>Hybrid</th>
<th>Accelerated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Mode of Instruction Definitions

Evening/Weekend: These programs are offered in an evening and/or weekend format to accommodate working schedules. Enjoy the advantages of on-campus courses.
and personal connections, while keeping your day job. For more information about the meeting schedule of a specific program, contact the program.

**Online:** These programs are offered primarily online. Many available online programs can be completed almost entirely online with all online programs offering at least 50 percent or more of the program work online. Some online programs have an on-campus component that is often designed to accommodate working schedules. Take advantage of the convenience of online learning while participating in a rich, interactive learning environment. For more information about the online nature of a specific program, contact the program.

**Hybrid:** These programs have innovative curricula that combine on-campus and online formats. Most hybrid programs are completed on-campus with a partial or completely online semester. For more information about the hybrid schedule of a specific program, contact the program.

**Accelerated:** These on-campus programs are offered in an accelerated format that allows you to complete your program in a condensed time-frame. Enjoy the advantages of on-campus courses with minimal disruption to your career. For more information about the accelerated nature of a specific program, contact the program.

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**CURRICULAR REQUIREMENTS**

**Requirements Detail**

<table>
<thead>
<tr>
<th>Minimum Credit Requirement</th>
<th>Minimum Residence Credit Requirement</th>
<th>Minimum Graduate Coursework Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 credits</td>
<td>15 credits</td>
<td>Half of degree coursework (15 credits out of 30 total credits) must be completed graduate-level coursework; courses with the Graduate Level Coursework attribute are identified and searchable in the university’s Course Guide (<a href="https://registrar.wisc.edu/course-guide/">https://registrar.wisc.edu/course-guide/</a>).</td>
</tr>
</tbody>
</table>

**Overall:** 3.00 GPA required.

**Other Grade Requirements:** Grades of C and D received by a candidate in any graduate course will not be counted as credit toward the degree. These grades will be counted in the graduate GPA.

**Assessments and Examinations:** None.

**Language Requirements:** No language requirements.

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**REQUIRED COURSES**

As stated above, of the required credits, all must be at the 300 level or higher, at least 6 credits may be at the 300 level, at least 15 must be at the graduate level, at least 18 credits must be in the Industrial and Systems Engineering Department, and at least 16 credits must be taken as a graduate student in residence at UW-Madison.

Below is a typical curriculum for those pursuing an M.S. in Industrial Engineering with a course option in Systems Engineering and Analytics. Please note the Systems Engineering and Analytics program is a customizable program and students should work out other course options with their faculty advisor.

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**PLANNING GRIDS:**


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**Fall Potential Courses:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>I SY E 313</td>
<td>Engineering Economic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 412</td>
<td>Fundamentals of Industrial Data Analytics</td>
<td>3</td>
</tr>
<tr>
<td>I SY E/COMP SCI/ MATH 425</td>
<td>Introduction to Combinatorial Optimization</td>
<td>3</td>
</tr>
<tr>
<td>I SY E/M E 510</td>
<td>Facilities Planning</td>
<td>3</td>
</tr>
<tr>
<td>I SY E/M E 512</td>
<td>Inspection, Quality Control and Reliability</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 515</td>
<td>Engineering Management of Continuous Process Improvement</td>
<td>3</td>
</tr>
<tr>
<td>I SY E/COMP SCI/ E C E 524</td>
<td>Introduction to Optimization</td>
<td>3</td>
</tr>
<tr>
<td>I SY E/COMP SCI/ MATH/STAT 525</td>
<td>Linear Optimization</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 601</td>
<td>Special Topics in Industrial Engineering</td>
<td>1-3</td>
</tr>
<tr>
<td>I SY E 605</td>
<td>Computer Integrated Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 624</td>
<td>Stochastic Modeling Techniques</td>
<td>3</td>
</tr>
<tr>
<td>I SY E/MATH/OTM/ STAT 632</td>
<td>Introduction to Stochastic Processes</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 645</td>
<td>Engineering Models for Supply Chains</td>
<td>3</td>
</tr>
<tr>
<td>I SY E/PSYCH 653</td>
<td>Organization and Job Design</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 699</td>
<td>Advanced Independent Study</td>
<td>1-5</td>
</tr>
<tr>
<td>I SY E/INFO SYS 722</td>
<td>Computer-Based Data Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Spring Potential Courses:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>I SY E 313</td>
<td>Engineering Economic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 412</td>
<td>Fundamentals of Industrial Data Analytics</td>
<td>3</td>
</tr>
<tr>
<td>I SY E/M E 512</td>
<td>Inspection, Quality Control and Reliability</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 516</td>
<td>Introduction to Decision Analysis</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 517</td>
<td>Decision Making in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>I SY E/COMP SCI/ E C E 524</td>
<td>Introduction to Optimization</td>
<td>3</td>
</tr>
<tr>
<td>I SY E/COMP SCI/ MATH/STAT 525</td>
<td>Linear Optimization</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 575</td>
<td>Introduction to Quality Engineering</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 601</td>
<td>Special Topics in Industrial Engineering</td>
<td>1-3</td>
</tr>
<tr>
<td>I SY E 612</td>
<td>Information Sensing and Analysis for Manufacturing Processes</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 615</td>
<td>Production Systems Control</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 620</td>
<td>Simulation Modeling and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>I SY E/M E 641</td>
<td>Design and Analysis of Manufacturing Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

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*Industrial Engineering: Systems Engineering and Analytics, M.S.*
I SY E/M E 643 Performance Analysis of Manufacturing Systems 3
I SY E 699 Advanced Independent Study 1-5

Summer Potential Courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>I SY E 313</td>
<td>Engineering Economic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 516</td>
<td>Introduction to Decision Analysis</td>
<td>3</td>
</tr>
<tr>
<td>I SY E/COMP SCI/ E C E 524</td>
<td>Introduction to Optimization</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 575</td>
<td>Introduction to Quality Engineering</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 601</td>
<td>Special Topics in Industrial Engineering</td>
<td>1-3</td>
</tr>
<tr>
<td>I SY E/MATH/OTM/ STAT 632</td>
<td>Introduction to Stochastic Processes</td>
<td>3</td>
</tr>
<tr>
<td>I SY E 699</td>
<td>Advanced Independent Study</td>
<td>1-5</td>
</tr>
<tr>
<td>I SY E 702</td>
<td>Graduate Cooperative Education Program</td>
<td>1-2</td>
</tr>
</tbody>
</table>

POLICIES

GRADUATE SCHOOL POLICIES

The Graduate School's Academic Policies and Procedures (https://grad.wisc.edu/acadpolicy) provide essential information regarding general university policies. Program authority to set degree policies beyond the minimum required by the Graduate School lies with the degree program faculty. Policies set by the academic degree program can be found below.

NAMED OPTION-SPECIFIC POLICIES

GRADUATE PROGRAM HANDBOOK

The Graduate Program Handbook (https://www.engr.wisc.edu/app/uploads/2016/02/ISYE_New_Grad_Handbook-12.pdf) is the repository for all of the program's policies and requirements.

PRIOR COURSEWORK

Graduate Work from Other Institutions

With program approval, students are allowed to count no more than 9 credits of graduate course work from other institutions. Coursework earned five or more years prior to admission to a master’s degree is not allowed to satisfy requirements.

UW–Madison Undergraduate

UW-Madison students completing their bachelor's degree in the Industrial and Systems Engineering department may count up to 6 credits of coursework numbered 300 or above toward the degree with prior program approval. Coursework earned five or more years prior to admission to a master’s degree is not allowed to satisfy requirements.

UW–Madison University Special

Allowed up to 15 credits numbered 300 or above toward graduate residence credit requirement and graduate degree credit requirement. If the courses were numbered 700 or above they may count toward the minimum graduate coursework (50%) requirement. Coursework earned five or more years prior to admission to a master’s degree is not allowed to satisfy requirements.

PROBATION

The Graduate School regularly reviews the record of any student who earned grades of BC, C, D, F, or Incomplete in a graduate course (300 or above), or grade of U in research credits. This review could result in academic probation with a hold on future enrollment or in being suspended from the Graduate School.

ADVISOR / COMMITTEE

Per Graduate School policy, every graduate student MUST have a faculty advisor. A faculty advisor provides the graduate student with academic guidance regarding their course selection and research oversight in their thesis or project. Graduate students should always seek advice from their advisor and other faculty in their interest area prior to enrolling for courses.

CREDITS PER TERM ALLOWED

Enrollment of 12 credits is highly recommended.

TIME CONSTRAINTS

12-16 month program: Students may finish in a 12-month timeline by enrolling in the summer session. If a student wishes to complete a summer internship, a student may finish their degree in an additional Fall semester. However, the program must be completed within 16 months.

Master's degree students who have been absent for five or more consecutive years lose all credits that they have earned before their absence. Individual programs may count the coursework students completed prior to their absence for meeting program requirements; that coursework may not count toward Graduate School credit requirements.

OTHER


PROFESSIONAL DEVELOPMENT

GRADUATE SCHOOL RESOURCES

Take advantage of the Graduate School’s professional development resources (https://grad.wisc.edu/pd) to build skills, thrive academically, and launch your career.

PROGRAM RESOURCES

THE INDIVIDUAL DEVELOPMENT PLAN (HTTPS://GRAD.WISC.EDU/PD/IPD)

An Individual Development Plan helps with self-assessment, planning, and communication:

• An IDP can help you communicate your professional development and career planning needs and intentions to others including your mentor, which can lead to helpful advice and resources.
You can use the IDP to make sure you and your mentor’s expectations are clearly outlined and in agreement so that there are no big surprises, particularly at the end of your training.

The current job market is challenging and research has shown that individuals who perform structured career planning achieve greater career success and satisfaction.

The onus to engage in the IDP process is on you – although your mentor, PI, or others may encourage and support you in doing so. The IDP itself remains private to you, and you choose which parts to share with which mentors. Through the IDP process, you may decide to identify various mentors to whom you can go for expertise and advice.

**ENGINEERING CAREER SERVICES (HTTPS://ECS.WISC.EDU)**

**Julie Rae, Assistant Director for Graduate Student Career Services**

GRADUATE students in all Engineering programs

- Resumes & Cover Letters  [https://ecs.wisc.edu/students/resumes-and-cover-letters/](https://ecs.wisc.edu/students/resumes-and-cover-letters/)
- Job Search Strategies
- Job Offers & Negotiation  [https://ecs.wisc.edu/students/offers-and-negotiation/](https://ecs.wisc.edu/students/offers-and-negotiation/)
- CPT for Graduate Students  [https://ecs.wisc.edu/students/co-op-and-internship/](https://ecs.wisc.edu/students/co-op-and-internship/)
- Student appointments:  Click Here  [http://go.wisc.edu/ecs-grad-appt](http://go.wisc.edu/ecs-grad-appt) to schedule an appointment with ECS.


**UW WRITING CENTER (HTTP://WRITING.WISC.EDU)**

**Location:** 6171 Helen C. White Hall

**Tel:** (608) 263-1992

The UW Writing Center provides free of charge face-to-face and online consultations that focus on a number of different writing scenarios (i.e. drafts of course papers, resumes, reports, application essays, cover letters, theses, etc). Writing Center instructors will not edit or proofread on their own in order to become a better, more confident writer.

### PEOPLE

**Faculty Directory**

**FACULTY**

**PROFESSORS**

- Oguzhan Alagoz ([https://directory.engr.wisc.edu/ie/Faculty/Alagoz_Oguzhan](https://directory.engr.wisc.edu/ie/Faculty/Alagoz_Oguzhan))
- Vicki Bier ([https://directory.engr.wisc.edu/ie/Faculty/Bier_Vicki](https://directory.engr.wisc.edu/ie/Faculty/Bier_Vicki))
- Pascale Carayon ([https://directory.engr.wisc.edu/ie/Faculty/Carayon_Pascale](https://directory.engr.wisc.edu/ie/Faculty/Carayon_Pascale))
- Ananth Krishnamurthy ([https://directory.engr.wisc.edu/ie/Faculty/Krishnamurthy_Ananth](https://directory.engr.wisc.edu/ie/Faculty/Krishnamurthy_Ananth))
- John Lee ([https://directory.engr.wisc.edu/ie/Faculty/Lee_John](https://directory.engr.wisc.edu/ie/Faculty/Lee_John))
- Jingshan Li ([https://directory.engr.wisc.edu/ie/Faculty/Li_Jingshan](https://directory.engr.wisc.edu/ie/Faculty/Li_Jingshan))
- Jeff Linderoth ([https://directory.engr.wisc.edu/ie/Faculty/Linderoth_Jeffrey](https://directory.engr.wisc.edu/ie/Faculty/Linderoth_Jeffrey)) (Department Chair)
- Robert Radwin ([https://directory.engr.wisc.edu/ie/Faculty/Radwin_Robert](https://directory.engr.wisc.edu/ie/Faculty/Radwin_Robert))
- Leyuan Shi ([https://directory.engr.wisc.edu/ie/Faculty/Shi_Leyuan](https://directory.engr.wisc.edu/ie/Faculty/Shi_Leyuan))
- Raj Veeramani ([https://directory.engr.wisc.edu/ie/Faculty/Veeramani_Raj](https://directory.engr.wisc.edu/ie/Faculty/Veeramani_Raj))
- Shiyu Zhou ([https://directory.engr.wisc.edu/ie/Faculty/Zhou_Shiyu](https://directory.engr.wisc.edu/ie/Faculty/Zhou_Shiyu))

**ASSOCIATE PROFESSORS**

- Laura Albert ([https://directory.engr.wisc.edu/ie/Faculty/Albert-mclay_Laura](https://directory.engr.wisc.edu/ie/Faculty/Albert-mclay_Laura))
- Jim Luedtke ([https://directory.engr.wisc.edu/ie/Faculty/Luedtke_James](https://directory.engr.wisc.edu/ie/Faculty/Luedtke_James))
- Doug Wiegmann ([https://directory.engr.wisc.edu/ie/Faculty/Wiegmann_Douglas](https://directory.engr.wisc.edu/ie/Faculty/Wiegmann_Douglas))

**ASSISTANT PROFESSORS**

- Alberto Del Pia ([https://directory.engr.wisc.edu/ie/Faculty/Delpia_Alberto](https://directory.engr.wisc.edu/ie/Faculty/Delpia_Alberto))
- Kaibo Liu ([https://directory.engr.wisc.edu/ie/Faculty/Liu_Kaibo](https://directory.engr.wisc.edu/ie/Faculty/Liu_Kaibo))
- Carla Michini ([https://directory.engr.wisc.edu/ie/Faculty/Michini_Carla](https://directory.engr.wisc.edu/ie/Faculty/Michini_Carla))
- Xin Wang ([https://directory.engr.wisc.edu/ie/Faculty/Wang_Xin](https://directory.engr.wisc.edu/ie/Faculty/Wang_Xin))
- Nicole Werner ([https://directory.engr.wisc.edu/ie/Faculty/Werner_Nicole](https://directory.engr.wisc.edu/ie/Faculty/Werner_Nicole))
- Gabriel Zayas-Caban ([https://directory.engr.wisc.edu/ie/Faculty/Zayas-caban_Gabriel](https://directory.engr.wisc.edu/ie/Faculty/Zayas-caban_Gabriel))

**AFFILIATE FACULTY**

- Barbara Bowers ([https://directory.engr.wisc.edu/ie/Faculty/Bowers_Barbara](https://directory.engr.wisc.edu/ie/Faculty/Bowers_Barbara))
- Elizabeth S. Burnside ([https://directory.engr.wisc.edu/ie/Faculty/Burnside_Elizabeth](https://directory.engr.wisc.edu/ie/Faculty/Burnside_Elizabeth))
- Molly Carnes ([https://directory.engr.wisc.edu/ie/Faculty/Carnes_Mary](https://directory.engr.wisc.edu/ie/Faculty/Carnes_Mary))
- Peter Chien ([https://directory.engr.wisc.edu/ie/Faculty/Chien_Peter](https://directory.engr.wisc.edu/ie/Faculty/Chien_Peter))
- Gregory DeCroix ([https://directory.engr.wisc.edu/ie/Faculty/Decroix_Gregory](https://directory.engr.wisc.edu/ie/Faculty/Decroix_Gregory))
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