MAY 2, 2023
PURDUE 101 OPENS

This self-guided orientation module is located online in Brightspace. New students are automatically enrolled to access Purdue 101 Part 1. Select “Purdue 101 Part 1” from your list of Brightspace courses and begin.

AFTER READING THE ONLINE MODULE, COMPLETE THE STUDENT INFORMATION FORM (SIF)

To complete the Purdue 101 Part 1 online component, you must fill out the student information form (SIF) at the end of the Brightspace module. This will let your academic advisor know you are ready to meet them.

SCHEDULE AN APPOINTMENT WITH YOUR ACADEMIC ADVISOR

A few days after you submit your student information form (SIF), your academic advisor will send an email with directions on how to schedule your first advising appointment. Be on the lookout for that message in your Purdue email account. Most students expect to hear from their advisors within a week of completing the SIF.

MEET WITH YOUR ACADEMIC ADVISOR

Meeting with your advisor is an important step in your Boilermaker journey. One of the things you will do in this appointment is talk through course options and how to register for your first semester of classes.

COMPLETE YOUR COURSE REQUEST FORM

This is the final step in Purdue 101 Part 1, and you will learn more about this step during your advising meeting. Students are highly encouraged to finish Purdue 101 Part 1 as soon as possible: June 10 for summer start and early start students, and June 24 for all students starting in the fall.
**Communication**
- SYNK News – watch for it to hit your inbox
- BoilerConnect – [https://www.purdue.edu/boilerconnect/](https://www.purdue.edu/boilerconnect/)
- Schedule an Appointment
- Success Team
- Reports/Notes Tab
- Conversations Tab
- Always use @purdue email (don’t forward to another account)
- When to schedule an appointment
- Pro Tip: Be our favorite - always give reason for appointment

**FYE Requirements**
- FYE Requirements Overview

**T2M Overview**
- Recap - T2M is way-detailed, we’re on it, and we will share info about the process throughout the year

**Incoming Credit**
- Incoming Credit Overview

**What will fall look like?**
- Shift from high school to college (when to take the AP stuff)
- Shift in responsibility for life in general (Like lunch? Laundry?)
- Shift in responsibility for learning

**Course Requests/Pre-Registration Process**
- There’s a process. We’ll walk you through it.
- Registration Info Document
- Preregistration Advising Agenda

**Preparing For Fall/Next Steps**
- Watch for SYNK News with information about:
  - Learning Community Events
  - Goss Scholars Discord Server

**Primary Academic Advisors**
- Students will have multiple people on their success team with "Advisor" in their title. The Primary Academic Advisor can be a first resource for many questions or concerns.
- We will confirm and introduce students’ primary academic advisor later in the summer.

**Supplemental Advisors (Great resources for specific topics)**
- Honors College Advisors (Honors College students must meet 1 time yearly with Honors Advisor)
- Office of Pre-Professional Advising (Optional for students interested in professional schools like Medical, Dental, Physical or Occupational Therapy, etc)
- Academic Success Center (Optional resource for wide range of topics like time/stress management, study strategies, preparing for final exams, etc)

**Students can expect their Advisor to:**
- Explain college and major requirements.
- Discuss students’ academic performance.
- Assist students with major exploration and interpreting degree requirements.
- Empower students to advocate for themselves.
- Support students with academic issues and personal concerns.
- Provide a safe, inclusive environment.
- Provide detailed knowledge and guidance about the standards and program(s) they advise.
- Guide students through their plan of study and give advice about course requirements.
- Inform students of the required prerequisites for subsequent courses in their program.
- Assist with long- and short-term goal setting.
- Talk with students about their strengths, interests, and abilities.
- Teach students how to analyze information and make well-informed decisions.
- Educate students on various policies and procedures necessary to navigate the University.
- Inform students of their responsibilities in the advising process.
- Refer students to additional campus resources or services as needed.

**Advisors expect students to:**
- Know your advisor’s name, office location, and email address, employ professional communication.
- Inform your advisor if you have an interest in research internships, study abroad, and/or experiential learning so you can plan in a timely manner.
- Check your Purdue email daily.
- Be open to exploring new opportunities that may challenge you.
- Develop realistic short- and long-term educational and career goals.
- Familiarize yourself with the variety of campus resources and services.
- Notify your advisor of any academic difficulties or changes in your program or career interests.
- Prepare for advising appointments by researching course offerings and requirements.
- Continuously review your degree requirements and monitor your academic progress.
- Be informed of Purdue policies and procedures. Be proactive in your education; seek help at the first sign of concern!
Students and Advisors will use BoilerConnect to communicate, schedule appointments and save/share information related to your academics. You can find more detailed info and tutorials on the BoilerConnect landing page:

**Video Instructions**: [https://mediaspace.itap.purdue.edu/media/Scheduling-a-+Appointment+-+Student+View/1_tk0n0dmd](https://mediaspace.itap.purdue.edu/media/Scheduling-a-+Appointment+-+Student+View/1_tk0n0dmd)

**PDF Instructions**: [https://www.purdue.edu/boilerconnect/documents/how%20to%20schedule%20an%20appointment_student2.pdf](https://www.purdue.edu/boilerconnect/documents/how%20to%20schedule%20an%20appointment_student2.pdf)

Please take some time to become familiar with the BoilerConnect options and functionality.

There are 3 "Tabs" on BoilerConnect. The **Academics or Class Information** tab will show your Success Team, which will include your Primary Academic Advisor, along with other advising resources and the instructors for your current term courses. The **Reports** tab will show Notes that your advising team and/or instructors have created with specialized info like your Registration PIN for each term. The **Conversations** tab is a running record of communication sent/received via BoilerConnect.
The SYNK newsletter is the weekly communication of topics important to Goss Scholars students. We will share the SYNK newsletter via email, and also post a copy in our archive on the College of Engineering Honors news page. Please take note of (and hopefully bookmark, file or save) the SYNK newsletter to avoid missing important information or making your advisor cranky.

Featured SYNK topics will include:

- Details about preregistration advising and other academically-focused updates
- Social events for Goss Scholars students
- Reminders about important dates and deadlines
- Information about undergraduate research
- Exclusive professional development opportunities
- Opportunities for academic support
- Nuggets of insight from peer mentors
- Details about the Transition 2 Major (T2M) process, requirements and deadlines
- Honors Contract or course options
- Helpful tips for each milestone of your first year

The SYNK Newsletter will keep you informed of timely topics and opportunities.

### FYE REQUIREMENTS

Put simply, there are 9 requirements all students in engineering at Purdue University must meet before they are admitted to a specific engineering major:

1. Engineering Design I (for Goss Scholars, usually ENGR 16100, or ENGR 13000 or 13300+VIP 17911)
2. Engineering Design II (for Goss Scholars, usually ENGR 16200 or VIP 17912)
3. Calculus I (usually MA 16100 or 16500)
4. Calculus II (usually MA 16200 or 16600)
5. General Chemistry (usually CHM 11500)
6. Physics: Mechanics (for Goss Scholars, either ENGR 16100+16200 or PHYS 17200)
7. FYE Selective (usually CHM 1600 or CS 15900)
8. Oral Communication (usually COM 11400, EDPS 31500, SCLA 10200, COM 21700)
9. Written Communication (usually ENGL 10600, ENGL 10800, SCLA 10100, HONR 19903)

Additional First Year Engineering requirements include:

- Cumulative GPA 2.00 or greater,
- Engineering Admissions Index (EAI) 2.00 or greater (calculation of the EAI is equivalent to the calculation of GPA for courses used to meet all FYE requirements 1-9 above).
- If a student meets a requirement in more than one way, only one will be used to calculate the EAI.
- Students must earn a total of at least 30 credits.
- Students in Goss Scholars can satisfy the FYE requirement for Mechanics (PHYS 17200) by completing both ENGR 16100 and 16200 with a C- or better.

This might break down for Goss Scholars students by the fall/spring semesters as follows:

#### FALL SEMESTER

- ENGR 16100
- MA 16500
- CHM 11500
- WRITTEN COMMUNICATION

#### SPRING SEMESTER

- ENGR 16200
- MA 16600
- CHM 11600 or CS 15900
- ORAL COMMUNICATION

Most Goss Scholars satisfy some FYE requirements with credit earned while they were in high school. Students and advisors work together to craft a fall and spring semester schedule that completes FYE requirements and also allows the student to work toward degree requirements for engineering disciplines as appropriate.

* These requirements were approved by the Engineering Curriculum Committee, on behalf of the faculty of the College of Engineering, on April 22, 2014 (EFD 35-14), with amendments in EFD 70-16 and EFD 09-17. You can find detailed information here: [https://engineering.purdue.edu/ENE/Academics/Undergrad/FYE/FYEReqs](https://engineering.purdue.edu/ENE/Academics/Undergrad/FYE/FYEReqs)
Short story first: When students complete FYE requirements, they are eligible to transition to their engineering degree. We call this process the Transition 2 Major, or T2M. Students who complete all FYE requirements in 2 semesters, finish with an overall GPA of 3.2 as well as an Engineering Admissions Index (EAI, or the GPA for all FYE requirements taken on the Purdue West Lafayette campus), and meet some other fine print requirements are guaranteed their first choice engineering major during the T2M. There is fine print, and Goss Scholars advisors are on top of making sure that you meet the fine print.

Longer story with more fine print if you’re interested: The first year of all Engineering programs at Purdue is common, and incoming students are admitted to First-Year Engineering (FYE) rather than to one of the 17 Engineering degree programs. Once a student has completed the FYE Requirements, he or she is eligible to transition to a degree program through the “Transition to Major,” or T2M, process. Admission to Engineering degree programs may be competitive, especially for programs that are at or above enrollment capacity. Competitive admission is based on GPA, Engineering Admissions Index (EAI), and other factors. Please refer to the Enrollment Management Policy for more details.

Enrollment Management Policy for First-Year Engineering Students (FYE) Transitioning to Professional Engineering Schools/Programs

Selecting a professional engineering school is a critical step in the career development of every FYE student. Students will make this selection with careful and thoughtful career exploration. This policy is intended to facilitate this selection and to provide every student who completes the FYE requirements with a home in a Professional School or Program in the College of Engineering. This enrollment management policy is in effect since Spring 2018:

<table>
<thead>
<tr>
<th>Category</th>
<th>Admission into Professional School or Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guaranteed</td>
<td>1) Admission Requirement - Eligible students must be directly admitted into PESI, PAEI, or Exploratory Studies at PESI as first-time full-time students in the Fall semester and must enroll in ENGR 13100, ENGR 13200, or ENGR 13300 in the first semester on campus.</td>
</tr>
<tr>
<td>First Choice Acceptance*</td>
<td>2) Course Load Requirement - Eligible students must take 2 consecutive semesters as full-time students (defined as at least 2 credits), and must complete a total of at least 20 credits of graded Purdue-West Lafayette coursework from the College of Engineering, the College of Science, or CEE 1300 or 1640.</td>
</tr>
<tr>
<td>Level May GMAT Required</td>
<td>3) Completion Requirement - Eligible students must complete the FYE Program in May (after two consecutive semesters) with no repeated courses in the FYE curriculum. Taking a course at PESI for which the student already has AP (or other exam) credit is acceptable and will not exclude the student from the guarantee.</td>
</tr>
<tr>
<td>Competitive</td>
<td>4) Grade Requirement - Eligible students must earn at least a 3.20 EAI and a 3.20 Cumulative GPA</td>
</tr>
</tbody>
</table>

Competitive First Choice Acceptance Level May GMAT Required = December and August

*Students who meet the following requirements will be guaranteed admission into the Engineering professional degree program. Other choices regardless of space availability.

Policy approved on 11/9/2018
Updated ED 160

INCOMING CREDIT

There are many sources of incoming credit that can potentially satisfy FYE and other university requirements. Some of those sources of credit include:

- Advanced Placement (AP)
- International Baccalaureate (IB)
- Cambridge A-Level
- Transfer Credit from another university
- Credit by Exam at Purdue

There are many great reasons students elect to use credit to satisfy requirements, and many great reasons for students to take the courses on the Purdue West Lafayette campus. The decisions are highly individual, and your academic advisor wants to talk through all the options with you.

Before we can use credit to check off degree requirements, Purdue University must have official transcripts with final grades to award credit (not copied, scanned, faxed or sent from a personal email). Transcripts must be provided by the college or university that administered the coursework. We cannot use high school transcripts to award credit for dual/concurrent credit courses. Coursework taken at a Purdue regional campus or as part of Purdue’s dual credit program is already on your student record (no need to submit a transcript).

Submitting transcripts:

- Through an electronic transcript service (contact the other institution’s registrar office). This is the quickest and most efficient method. Use admissions@purdue.edu for e-transcript services that require an email address. Do not use a Purdue staff member’s individual email address.
- Mailed to Purdue from the institution that administered the course:

  Purdue University
  Office of Admissions
  2550 Northwestern Ave. Suite 1900
  West Lafayette, IN 47906

  - Delivered in person to the Office of Admissions in a sealed envelope on the institution’s stationery.
  - Do not send duplicate copies via different methods.

We encourage students to send in ALL potential credit. This helps you and your academic advisor make solid recommendations with all available info.

Remember: Reporting estimated scores on the common application is NOT the same as sending scores from the testing agency, and your high school transcript is NOT sufficient for dual/concurrent enrollment. We might have mentioned this, but it’s super-important to send your scores and/or transcripts. DOUBLE CHECK!

The transfer credit information on the Admissions website is a good resource for info on incoming credit: admissions.purdue.edu/transfercredit
Our focus is ensuring that students successfully complete FYE requirements, so we will make course recommendations for your fall semester based on that goal. The following pages detail the Oral and Written Communication options. If you have not already completed these requirements, we encourage you to look through the options before your individual preregistration advising appointment, and order them by your preference.

If you have flexibility in your fall semester plan, you might consider adding an optional Engineering seminar. Talk with your advisor during your appointment about seminars you think sound awesome. Keep in mind that the seminars are not required and will not satisfy specific engineering requirements.

### FALL COURSE OPTIONS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMST 10100</td>
<td>AMERICA &amp; THE WORLD</td>
</tr>
<tr>
<td>COM 20400</td>
<td>CRITICAL PERSPECTIVES ON COMMUNICATION</td>
</tr>
<tr>
<td>ENGL 10600</td>
<td>FIRST-YEAR COMPOSITION</td>
</tr>
<tr>
<td>ENGL 10800</td>
<td>ACCELERATED FIRST-YEAR COMPOSITION</td>
</tr>
<tr>
<td>HONR 19903</td>
<td>INTERDISCIPLINARY APPROACHES TO WRITING</td>
</tr>
<tr>
<td>SCLA 10100</td>
<td>TRANSFORMATIVE TEXTS</td>
</tr>
</tbody>
</table>

These courses will satisfy the First-Year Engineering and University Core Curriculum requirements for written communication. If you have not yet satisfied this FYE requirement, please consider ranking your preference for these courses before your preregistration advising meeting.

**AMST 10100 (3 CR) AMERICA & THE WORLD**

This course examines the United States and the country's connections to the broader world. By exploring ideas about social class, economics, citizenship, food, race, gender, music, sexuality, immigration, sports, war, art, nationalism, and freedom, the course takes a comparative and critical approach the question: "what is America, and American, in an increasingly global world?" Students in this course will spend time thinking and writing about their place in an interconnected and constantly evolving world.

**COM 20400 (3 CR) CRITICAL PERSPECTIVES ON COMMUNICATION**

This course provides an introduction to critical thinking and writing about communication. Draws on humanistic and qualitative traditions to help students learn and apply critical approaches to understanding communication.

**ENGL 10600 (4 CR) FIRST-YEAR COMPOSITION**

ENGL 10600 is the standard first-year composition course. Some of the writing will be done using multimedia, and some of it may be composed in short assignments. Writing topics will be closely tied to the course’s theme or approach, and may include personal experiences as well as research-based arguments. Students may also be asked to write on topics that are related to their major fields of study.

**ENGL 10800 (3 CR) ACCELERATED FIRST-YEAR COMPOSITION**

ENGL 10800 is an accelerated composition course. Because it meets two or three times a week, without the regular instructor-student conferencing sessions of ENGL 10600, student success in English 10800 requires (a) more self-efficacy and self-regulation; (b) strong writing skills and/or prior writing experiences, and/or (c) the focused content provided by learning communities. In a nutshell, 108 is 106 without required conferencing.

**HONR 19903 (3 CR) INTERDISCIPLINARY APPROACHES TO WRITING**

This course is a writing-intensive course in which students learn how to find, evaluate, and use credible information, how to express themselves well in a variety of different written genres, and how to write for different audiences. Available only for Honors College students.

**SCLA 10100 (3 CR) TRANSFORMATIVE TEXTS**

Part of the Cornerstone Certificate program, SCLA 101 is based on the fundamental premise that great texts inform and inspire students, encouraging their creative and imaginative capacities, helping students see the world from different perspectives and broadening their worldview. Students will examine a series of texts, seeking to understand the contexts in which they were produced, as well as what these texts mean to us today.
SEMINAR OPTIONS

There are a number of optional seminars available for FYE students. While they do not satisfy any specific degree requirements, they will earn STEM credit, and more importantly are opportunities to explore special interest topics. Most of these seminars are only taught in the fall semester.

ENGR 10301ABC CRN: 14927-019 - Atoms, Bits and Cells
Instructor: Muhammad Mustafa Hussain
Atoms, bits and cells are basic building blocks of the engineering world. In this course, these fundamental building blocks are discussed and how they have been used to develop physical electronics, civil infrastructure, automobiles, power systems, computing, internet, communications, imaging, sensing, environment, space, energy and healthcare technology. In this interactive discussion course, students will learn about how engineering marvels have been developed over the time and how the roots of all these are intertwined through atoms, bits and cells. They will also know about the grand engineering challenges for the future and how they can contribute through insightful discussion and interactive project development in groups to gradually grow leadership ability and entrepreneurial instincts. Interestingly, this course will not use any text (i.e. alphabet), rather images, videos and audios only. This course is open for anyone who is enthusiastic about engineering.

ENGR 10301ECC CRN: 26544-15– Engineering and Climate Change
Instructor: TBD
How and why is the climate changing, and what is engineering’s role in the problem and solutions? This weekly seminar hosted by Professor Donna Riley, Head of the School of Engineering Education, with guest lectures from climate experts at Purdue and beyond, will introduce students to the issue of global climate change as it relates to the field of engineering. Course topics include the science of weather and climate, the varied and disparate impacts of climate change, the politics of the climate debate, and concrete actions individuals, organizations, governments, and intergovernmental entities can take to address climate change. Assignments include weekly discussion posts, a short essay exploring evidence related to a climate science controversy, a problem set using back-of-the-envelope estimation for evaluating climate policy solutions, and a reflection on personal action addressing climate change.

ENGR 10301PLA CRN: 21745-024– Ethics of Making Fake Vomit
Instructor: Ruth Wertz
Is it ethical to produce fake plastic vomit? It’s a ridiculous question, I know. But what if we dig deeper: How and where is this product made? Where do the resources come from? What purpose does this product serve? How long is it supposed to last? Who benefits from its production? Who is harmed? If it is unethical, what can we do about it? Who gets to decide? What if we disagree?” In this course we will explore a range of ethical cases and scenarios, some real and some imagined, to identify and navigate complex and competing perspectives involved in engineering decision-making. Are our professional codes of ethics guiding our decisions the way they should be? You decide.

ENGR 10301LRN CRN: 14930-020, 21736-023 – Keys to Learning
Instructor: Michael Melloch
Most students do not know how to study, and they are often given incorrect advice. There are psychological aspects to being a successful learner. Sleep, exercise, nutrition, and meditation greatly affect our cognitive abilities. In this one-credit hour course all aspects of learning and preparing your brain to function at its peak will be discussed. This will be an ideal course for first-year students, but all students would benefit learning about best study practices, the psychology of learning, and what makes for a brain working at peak efficiency. Attendance will count for 60% of the grade, reflections/feedback 10%, and there will be two exams each worth 15% of the grade.

EDPS 31500 (3 CR) COLLABORATIVE LEADERSHIP: INTERPERSONAL SKILLS
This course focuses on developing professional oral communication skills (i.e., conveying meaning through words, visual aids, and non-verbal elements) and understanding of the role of interpersonal and oral communication skills in areas such as leadership development, professionalism, conflict resolution, interviewing, team building, and ethics.

COM 11400 (HONORS AVAILABLE) (3 CR) FUNDAMENTALS OF SPEECH
COM 11400 comprises the study of communication theories as applied to speech and involves practical communicative experiences ranging from interpersonal communication and small group processes to informative and persuasive speaking in standard speaker-audience situations.

COM 21700 (3 CR) COM 217- SCIENCE WRITING AND PRESENTATION
COM 21700 is a course designed to equip students with skills to effectively express ideas and research through both the written and spoken words. Scientists and engineers must effectively communicate complex, technical information. This course will encourage students to explore and improve their ability to convey scientific ideas in multiple modalities to a wide variety of audiences.

SCLA 10200 (3 CR) TRANSFORMATIVE TEXTS
Like SCLA 10100, SCLA 10200 is part of the Cornerstone Certificate program and is based on the fundamental premise that great texts – whether famous speeches, essays, or poetry as well as film and digital media – inform and inspire students, encouraging their creative and imaginative capacities, helping students see the world from a variety of perspectives and broadening their worldview. In this class, students will collaboratively examine a series of texts (including digital media), seeking to understand the contexts in which these texts were produced as well as what these texts mean to us today. The primary focus of SCLA 10200 is on oral communication.

SCLA 10200 (3 CR) TRANSFORMATIVE TEXTS
Like SCLA 10100, SCLA 10200 is part of the Cornerstone Certificate program and is based on the fundamental premise that great texts – whether famous speeches, essays, or poetry as well as film and digital media – inform and inspire students, encouraging their creative and imaginative capacities, helping students see the world from different perspectives and broadening their worldview. In this class, students will collaboratively examine a series of texts (including digital media), seeking to understand the contexts in which these texts were produced as well as what these texts mean to us today. The primary focus of SCLA 10200 is on oral communication.

ORAL COMMUNICATION

These courses will satisfy the First-Year Engineering and University Core Curriculum requirements for oral communication. If you have not yet satisfied this FYE requirement, please consider ranking your preference for these courses before your preregistration advising meeting.
ENGR 10301BIDC CRN: 11994-SC1: Intro to Manufacturing
Instructor: Matthew Swabey
BIDC, Introduction to Prototyping course explores the field of manufacturing from the perspective of an engineer. This introductory course, geared for beginners, highlights common manufacturing processes utilized within Purdue's Bechtel Innovation Design Center. Among the Center's capabilities are state-of-the-art machines and tooling. Ultimately, after the completion of this course, students should be able to use many of the tools and processes in the Center. Familiarity with engineering communications, methods, materials, and process will give the student a basic skill set in product realization.

ENGR 10301CEM CRN: 11995-002: Leading the Way
Instructor: Brandon Fulk
This course will offer an introduction to the construction industry and the role the construction engineer plays in it. Students will explore the diverse responsibilities and opportunities of Construction Engineering via guest lecturers, current students and panel discussions with industry representatives. The guest lecturers will introduce unique projects and discuss industry trends. The current requirement unique to Purdue's Division of Construction Engineering and Management (CEM), was developed to provide current students with experiential training in conjunction with their academic coursework. The corporate contacts will share their experience and top employers as a FYE student. Undergraduate teaching assistants will serve as mentors to provide feedback, share knowledge and help with your career readiness skills. *CRN 21331 is ONLY for Lilly Scholars across all STEM majors. Students will connect with first cohort of Lilly Scholars, faculty and industry professionals.

ENGR 10301NE CRN: 24710-008, 28761-016, 21331-022 - Professional Practice in ENGR
Instructors: Jennifer Strickland, Patrick Francis
Weekly seminars led by industry partners and professional staff designed to introduce a variety of professional development subject-matters to First-Year Engineering students. Connect with students, faculty and industry professionals. Transition your resume & cover letter from high school to college. Develop a Linkedin profile, elevator pitch and your personal brand. Network with guest speakers and top employers as a FYE student. Undergraduate teaching assistants will serve as mentors to provide feedback, share knowledge and help with your career readiness skills. *CRN 21331 is ONLY for Lilly Scholars across all STEM majors. Students will connect with first cohort of Lilly Scholars, faculty and industry professionals.

ENGR 10301DEF CRN: 30811-018 – Defense and National Security
Instructors: Stephen Beaudoin
The United States Departments of Energy, Defense and Homeland Security play important roles in ensuring the security of our nation. These agencies ensure safety in transportation security environments; organize, deploy and supply our military; maintain stewardship of our nuclear arsenal; and develop and deploy our cybersecurity strategies, among setting the vision for advancing state-of-the-art solutions for pandemics, computing, energy, climate, and other advanced engineering challenges. There is an impending shortage of domestic U.S. talent and future workforce for addressing critical skills in these areas. As result, there are new opportunities for Purdue students to learn more and establish exciting and fulfilling careers in this sector. As part of Purdue's national security priority, we are deepening our relationships with all of these agencies. This one-credit seminar course will feature presentations by Purdue faculty and invited world-class researchers who work for the Departments of Energy, Defense and Homeland Security. These presentations will introduce topics related to the complex intersection of engineering, policy, and government research, and will demonstrate the many exciting opportunities Boilermakers have to work on these initiatives. Guest lectures will include researchers from the Army Research Lab, Sandia National Labs & the Department of Homeland Security.

ENGR 10301S CRN: 21210-021 – Smart Cities & Infrastructure
Instructors: Joe Tort and Sue Khalifah
This course will introduce students to the technology and innovation that impacts the future of our communities. Intended topics include space habitats, electrification of roadways, the design and inspection of infrastructure (using AI, VR, machine learning, etc.), environmental disasters and public health, automation systems for buildings, and more! Speakers from companies such as Johnson Controls, Collins Engineers, Thornton Tomasetti, and others will guest-lecture on how technology and innovation will impact the way we live. Students in this course will develop their personal networks while being presented with resources and opportunities to prepare for exciting careers.

ENGR 10301RSCH CRN: 24545-007 – Introduction to Undergraduate Research
Instructor: John Howarter
This introductory course will serve to enrich First-Year student's professional development and prepare course participants for research opportunities at Purdue and beyond including Summer Undergraduate Research Fellowship Programs.

ENGR 10301TP CRN: 21210-021 – Leading the Way
Instructor: Seungjin Kim
Weekly seminars led by nuclear engineering faculty to introduce a specific topic, problem, or discipline of nuclear engineering to First-Year Engineering (FYE) students. Seminars are designed to help students explore nuclear engineering and/or to assist in their decision of selecting nuclear engineering as a major.
PREREGISTRATION

WHAT TO EXPECT

STEP 1: Check for Holds
- Get into the habit of checking for registration holds before you attempt any type of registration
- MyPurdue > Registration > Do I have any holds?
- Common registration holds (you will resolve multiple times during your time at Purdue)
  - Emergency Contacts
  - Financial Responsibility
  - GPI Experience Survey
  - Respect Boundaries Training
- Info about common registration holds: https://www.purdue.edu/registrar/currentStudents/students/holds.html

STEP 2: Schedule an appointment with your Academic Advisor
- Advising appointments are scheduled through BoilerConnect: purdue.edu/boilerconnect
- Your advisor will create a registration campaign through BoilerConnect. You will receive an email with a link that will allow you to select an appointment. This is the same process you used to sign up for this live session today!

STEP 3: Advising Appointment
- The primary goal of a registration advising appointment is to create a plan of study with your advisor for the upcoming semester and submit a Course Request Form
- You should bring up any concerns you have about the need to repeat coursework from the current term, any goals you have regarding minors, and your intended engineering major
- Separate appointments can be scheduled during non-registration periods to further discuss goals and concerns in more detail
- Keep track of your appointment date! Put it in your phone as a reminder and check your Purdue email (directly) often, since automatic reminders are emailed

STEP 4: Submit a Course Request Form (CRF)
- The course request form is simply that—a request for classes. It might also be helpful to think of the CRF as a wish list that gets submitted to the Registrar’s office.
- Please note that students are not guaranteed to get everything on their CRF
- Your advisor will ask you to submit your CRF during your advising appointment. You will be able to make small modifications afterwards for a designated period of time, such as selecting a general education course from a list of options or selecting preferred sections. Resubmit your CRF after making any modifications.
- This video shows students how to submit a CRF: https://www.youtube.com/watch?v=IDcfa67xV08&list=PL2bI6htUMoClZzhz7fu58cT4hZ2FNe6p8&index=21

SEMINAR OPTIONS

(CONTINUED)

ENGR 19400 CRN: 19992-001, 19993-002 or 24841-003 - Women in Engineering Seminar
Instructor: Suzanne Zurn-Birkhimer
An engaging course to learn about career opportunities for women in engineering and strategies for collegiate success. Guest speakers from a variety of engineering organizations discuss their career paths and engage with the students. The content and activities of the course may be of particular interest to women. Open to all entering engineering students.

MSE 19000 CRN: 14788-001 - Introduction to Materials Engineering
Instructor: David Bahr
An introduction to materials science and engineering. Emphasis on the “processing, structure, properties, performance” relationships that lead to the development of materials for society’s needs.

CE 29900-007 CRN 29128-007 – Next Generation Mobility
Instructor: Darcy Bullock
Technology is quickly transforming the movement of people and goods. The future is exciting, but the transition may be complicated. This course will introduce students to (a) ways in which Smart Mobility will redefine society and (b) methods to make the transition sooner. Topics will include: mobility as a service, the transition to self-driving vehicles, impacts upon transit and pedestrians, safety and infrastructure, smart parking management, freight movement between cities, and efficient trip planning and evacuation.

ME 19900 – How Stuff Works
Instructor: Julia King
An introduction to Mechanical Engineering for First-Year Engineering students interested in exploring a career in ME. The course is student led and involves a mix of presentations from successful alumni about their chosen careers coupled with fun hands-on experiences related to the invited industries leading to a better understanding of the broad career opportunities available to students with an ME degree. Little or no mechanical experience is required. A variety of common products are dissected to learn the underlying engineering design and fabrication fundamentals. Students are also introduced to the standard engineering terminology used in common products.
PREREgISTRATION

(CONTINUED)

STEP 5: Batch Registration
- Once the CRF deadline passes, the Registrar's office will process all submitted CRFs and create schedules for students.
- The Registrar's office will email students their completed schedule on a specified day. Students will only be able to view the schedule. They cannot make changes until Open Registration begins.

STEP 6: Open Registration
- Open Registration is the first day students can make changes to the schedule they received via the batch registration process. Students have a specific time ticket/window in which their access to the Scheduling Assistant opens up.
- Look up your Time Ticket: MyPurdue > Registration > Registration Status & Time Ticket
- Please note that we do not recommend schedule changes based on preferences ("I don't want a 7:30 math course"). When you change sections, you are giving up your seat, so you might lose your seat in a class and someone might snag the seat in the section you were trying to change to. It is RISKY to make schedule changes!
- If you're missing a course or need to add something based on a conversation with your advisor, open registration is just the FIRST day you can start making changes. Please do not think all changes need to be made by the end of the day on Open Registration. You can usually make changes to your schedule through the end of the first week of classes.
- Also, please be considerate as advisors receive hundreds of emails on Open Registration. During Open Registration, please allow 3 business days for a reply.
- Most important...DO NOT PANIC! We are here for you, we will assist you with any scheduling issues you're having.

STEP 7: Deadlines
- Watch your email for important information regarding deadlines from your advisor
- A general rule of thumb is that students have until the end of the first week of the semester to add a course, without needing permission and until the end of the second week of the semester to drop a course, without it showing up on your record
- Please discuss any add/drop decisions with your advisor first!

PREPARING FOR FALL

AND NEXT STEPS

Watch for information via the SYNK newsletter about:
- Goss Scholars Discord Server
- Industrial Roundtable (the largest student-run career fair in the world takes place in early September)
Thank you!

We are very excited to get to know you, and looking forward to working with you through your time in First Year Engineering Honors & Goss Scholars!