


**LYLES SCHOOL OF
CIVIL ENGINEERING**

**SOPHOMORE
ORIENTATION,
ADVISING &
REGISTRATION**


2021-22 March 2021

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Department Heads



Dr. Rao S. Govindaraju
Bowen Engineering Head
and Professor of Civil
Engineering



Dr. Garrett Jeong
Associate Head and
Professor of Civil
Engineering

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ABOUT CIVIL

**60+ Faculty
9 Concentrations**

- Architectural Engr
- Construction
- Environmental
- Geomatics
- Geotechnical
- Hydraulics/Hydrology
- Materials
- Structures
- Transportation
- ...and General

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Meet Your Advisors



HAMP 1141F
496-2379
mlah@purdue.edu

Marty Lah

Undergraduate Program Administrator

- Honors – Honors Contract vs. Courses
- Study Abroad – semester or year long
 - Maymester (2-3 week) most popular
 - GEARE Program
 - Global Studies Minor

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Meet Your Advisors



HAMP 1141D
496-2161
jjesiek@purdue.edu

Julie Jesiek

Undergraduate Program Administrator

- Plan of Study Approvals
- My Purdue plan exceptions
- CE Scholarships
 - Approximately 100 scholarships/year
 - Apply online at <http://eng.purdue.edu/CE/scholarship-app>

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Program Administration Manager



HAMP 1141E
496-2157
heathk@purdue.edu

Kathy Heath

- COOP Program
- Summer Internships
- Summer Undergraduate Research Fellowship Program - SURF
- CE Summer Global Program
- Full-time Employment

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Join Co-op for the Win!

- As a co-op student, you will be given **quality assignments** that challenge you with increasing levels of difficulty with each work session.
- Be among the first to get **full-time job offers**, as most co-op positions lead to full-time offers upon graduation.
- Co-op students often receive **higher full-time salary offers** upon graduation than those who didn't participate!
- The **NEW Flex Program** allows you to **switch companies** after 2 sessions, completing an additional 2 or 3 sessions with a different company.
- As a co-op student, you will earn a **substantial salary** while acquiring your education!

Contact Kathy Heath for more information!
Hampton 1141 Phone (765) 494-2157 heathk@purdue.edu

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Industry Opportunities & Career Placement

Employers are looking for you...create your account today!

- Full-time Employment
- Internship
- Co-op

<https://engineering.purdue.edu/CE/Careers/IndustryOpps>

Also Check out the CE Blog for job information and more:
<http://purduece.blogspot.com/>

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Student Organizations

Get Involved:

<https://engineering.purdue.edu/CE/Academics/Organizations>

Students Clubs in Civil Engineering such as:

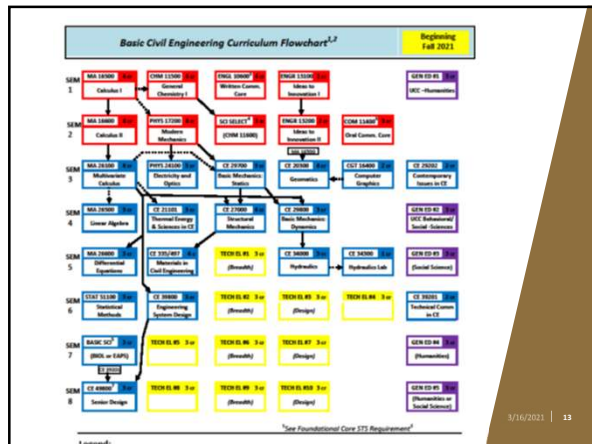
- American Society of Civil Engineers (ASCE)
- Civil Engineering Student Advisory Council (CESAC)

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Path Toward Your BSCE Degree

- MyPurdue Plan will show degree progress with Civil requirements and you can make your own degree plan
- Decide your concentration or specialty area
- Move to Faculty advisor after finishing CE 27000 or CE 29800

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Beware of Pre-requisites

- For example CE27000, Structural Mechanics requires both CE29700 Basic Mechanics: Statics and MA26100 Multivariate Calculus
- CE 49800 Senior design (taken in last semester) has CE39800 Engineering System Design and CE39201 Technical Communication as pre-requisites

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Technical Electives

Select one of nine emphasis areas in CE

- Architectural Engr
- Construction
- Environmental
- Geomatics
- Geotechnical
- Hydraulics and Hydrology
- Structural
- Transportation
- Or you can also choose to remain with a General program of study

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Minors and Certificates

Minors and Certificate information is linked in the catalog: <http://catalog.purdue.edu/>

- Entrepreneurship and Innovation Certificate
- Innovation & Transformational Change Minor
- GEARE Certificate or Global Engineering Minor
- Cornerstone Certificate
- Many minors available including: management, construction graphics (BIM), economics, foreign language, sustainability engineering, etc.

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Innovation and Transformational Change Minor

UNDERGRADUATE MINOR
OPEN TO ALL MAJORS

INNOVATION & TRANSFORMATIONAL CHANGE

Learn world-class methods and techniques to transform society's most pressing challenges into opportunities to make a significant impact.

Start a minor while meeting elective requirements for your major!

24 CREDITS

Choose your own path. Some require 90 credits & 4 essays.

LEARN MORE
<https://engineering.purdue.edu/innovation/students/minor>

QUESTIONS
innovation@purdue.edu

GET STARTED!
ENGR 30500-IND-1 is required
Fundamentals of Innovation Theory & Practice Honors
OPEN TO HONORS AND NON HONORS STUDENTS

FALL 2021

Explore contemporary socio-technical challenges using innovative problem-solving techniques from management, design, engineering, and the social sciences.

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General Education Elective Policy

General Education Electives must be selected from the following:

- Social Sciences
AGEC, ANTH, COM, ECON, HDFS, POL, PSY, SLHS, SOC
- Humanities
AAS, AD, AMST, ARAB, ASAM, ASL, CHNS, CLCS, CMPL, DANC, ENGL, LC, FR, GER, GREK, HEBR, HIST, IDIS, ITAL, JWST, JPNS, LALS, LATN, LING, MARS, MUS, PHIL, PTGS, REL, RUSS, SCLA, SPAN, THTR, WGSS

Note: Most courses in these subjects are allowable, provided the course is open to CE students and isn't focused primarily on professional training, natural science or mathematics. All courses are subject to approval when submitting the CE Plan of Study.

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General Education Policy

- 15 credit hours + CE 29202 and CE 39201
- Minimum 6 credit hours must be taken in Social Sciences subjects; 1 course must be from Foundational Behavioral/Social Science
- Minimum 6 credit hours must be taken in Humanities subjects; 1 course must be from Foundational Behavioral/Humanities
- Minimum 6 credit hours must be taken from courses: at the 300-level or above or have a prerequisite (Non-Introductory) in the same subject

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University Core Curriculum

- Every student must complete the Foundational Learning outcomes
- Majority of core is within the FYE course requirements, review after enter CE to see what is remaining
- Science Technology & Society (STS) Foundational Core is typically fulfilled by taking EAPS 10000, 10400 or 12000 for your Basic Science Elective (CE ABET requirement for another science elective)
- If you use BIOL 11000 for your science selective (or other Basic Science not on the STS list such as EAPS 11100 - Geology) you may meet the STS requirement either via another General Education/Technical Elective that is on the STS list such as POL 22300 Introduction to Environmental Policy or EPICS.

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Core Course Grade Policy

- Must earn a grade of C- or better for all blue courses on the flowchart; this is "the core".
- Grade of C- or better is required to use the course as a prerequisite.
- A student shall be dismissed from the School of Civil Engineering after 3 attempts to complete a core course where each attempt resulted in a grade of D+, D, D-, F, W or WF.
- You have been informed of the CE Core Course Policy by attending the Civil Orientation meeting.
- Also, Purdue allows only 3 enrollments in any course.

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Additional Grade Policies

Civil Engineering Index

- Minimum 2.0 GPA is required in CE classes and overall
- Includes all CE-designated courses, or any direct equivalent course used to satisfy a CE-designated course

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Transfer Credit Limit Policy

Maximum 10 credits allowed as approved transfer from another university or regional campus for upper level technical courses.

- All CE core courses at the 30000+ level
 - CE 49700/33100, 34000, 34300, 39201, 39800, 49800
- All Technical Electives
- Impacts 43 credits total

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A Word of Caution

Please note: 18 credit hours for Fall 2021 is a large load. Lab time for CGT 16400 and CE 20300 is not included within the 18 credit hours. Some options for you include the following courses in Summer 2021

- CGT 16400 Computer Graphics *is taught online in Summer 2021.*
- CE 29202 Contemporary Issues in CE *is taught online in Summer 2021.*
- PHYS 24100 Electricity & Optics *is taught online in Summer 2021.*
- *Wait to take PHYS 24100 until later.*
- *Take CE 21101 Thermal/Energy Sciences for CE instead of PHYS 24100.*
- *Take a General Education course instead of PHYS 24100 in Fall 2021.*

Also PHYS 24100, CE 20300, and CE 21101 can be interchanged within Semesters 3 and 4 plus summer

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Shiva Haghighi Student Success Center– HAMP 1115

Additional Support, Lyles TA for CE29700 Statics, CE29800 Dynamics, and CE34000 Hydraulics. Instructors for these courses should provide information and hopeful we can open back up the physical room in the near future...

SI sessions were available last year for CE 29700 and CE 29800 and may continue for this upcoming year as well.

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CE29900 Intro Courses

We are offering two - 1 credit courses this fall that may be applied for Technical Elective credit (max of 3 cr.). Learn more about an area emphasis or specific topic. Beneficial if undecided about an area or if topic is of interest to you.

- CE29900 Smart Mobility (First 8 weeks) – 1 credit
- CE29900 Intro to Water Engineering (First 5 weeks) – 1 credit

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Summer 2021 Courses

- Visit <http://www.purdue.edu/thinksummer/> for a complete list of all summer courses.
- Courses typically offered:
 - General Education Electives – Humanities or Social Science electives
 - Math courses
 - Basic Science Elective – specific EAPS or BIOL courses
 - PHYS 24100
 - Study Abroad – Maymester CE 49700 or other engineering approved program counts for a Technical Elective (3 cr.) (next year?)
 - CGT 16400 Computer Graphics
 - CE 29202 Contemporary Issues in CE

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Julie Jesiek & Marty Lah use Boiler Connect

<https://purdue.campus.eab.com>

We will send out campaigns after the meeting for additional advisement as needed.

Marty has appointments on Webex:

<http://purdue.webex.com/meet/mlah>

Julie has appointments on Zoom:

<https://purdue-edu.zoom.us/j/4894158475>

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Contacts

Kathy Heath – Program Administration Manager

- HAMP 1141E
- 494-2157
- heathk@purdue.edu

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Contacts

Julie Jesiek – Undergraduate Advisor

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- 494-2161
- jjesiek@purdue.edu

Marty Lah – Undergraduate Advisor

- HAMP 1141F
- 496-2379
- mlah@purdue.edu

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CE Scholarships

Apply for 2021-22 Civil Engineering
Scholarships on-line at:
<http://eng.purdue.edu/CE/scholarship-app>
Deadline: **April 5, 2021**

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Next Advising Steps

- Make sure you accept your conditional CODO into CE in myPurdue
- Look for the Advisor CRF to be sent to you by email with course recommendations for Fall by April 5th.
- Submit courses in CRF based on our recommendations by April 12 before 5pm deadline
- We will send out campaign request for 15 minute advising appointments later this week (optional if have additional questions etc.)
- Open registration April 22nd

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QUESTIONS?

Civil Engineers are entrusted by
society to create a sustainable world
and enhance the global quality of life
(ASCE Vision for Civil Engineering in 2025)

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