MME New Student Orientation

Thursday, September 5

4.30 to 6 pm, Todd 116

Hosted by:

Jow Ding, Associate Director

Andrea Butcherite, Academic Advisor

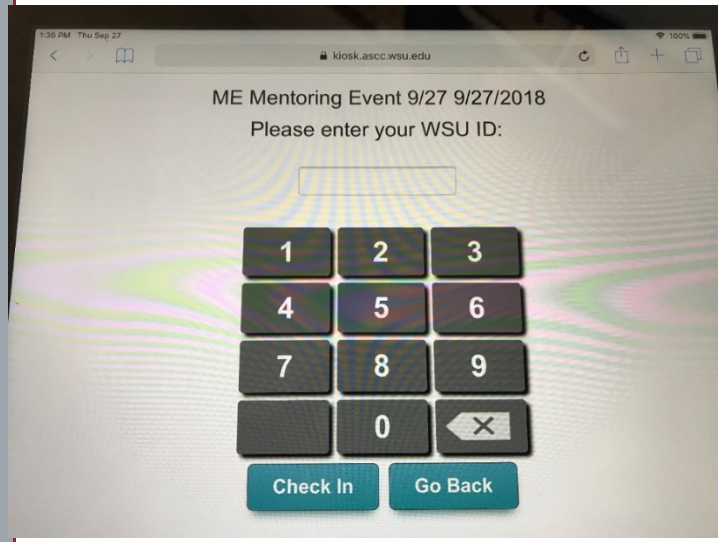
Megan Comstock, Academic Advisor

Amy Johnson, Academic Advisor

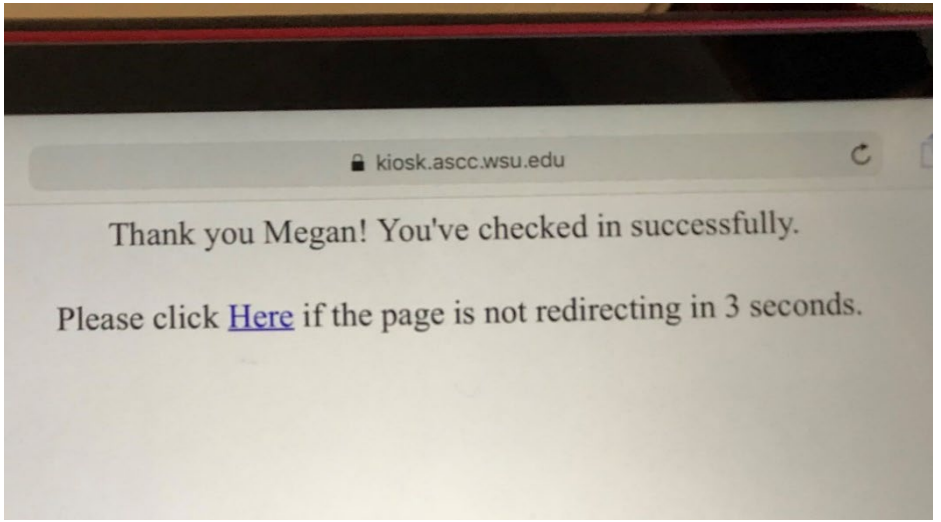
HOUSE KEEPING

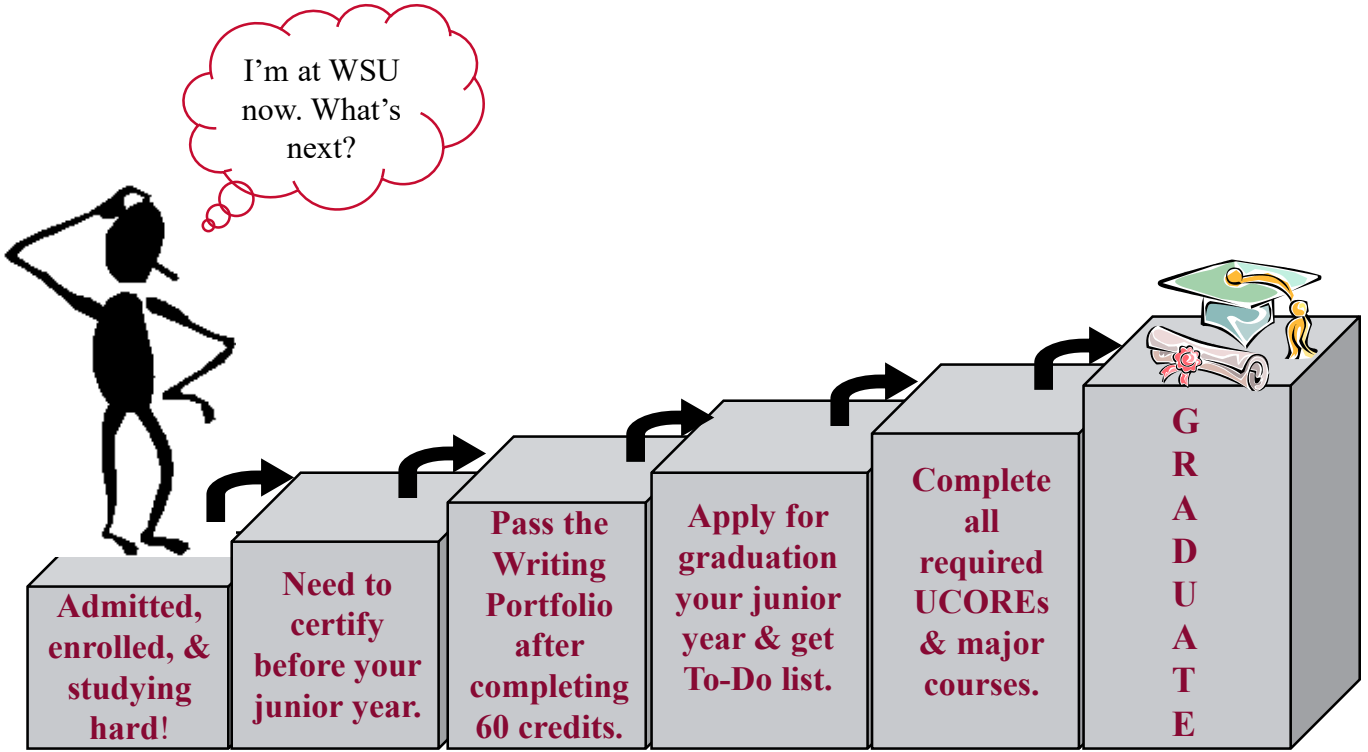
Make sure you check in on the iPad.
Use your Student ID#.

Leading Zero not required



Confirm your name:



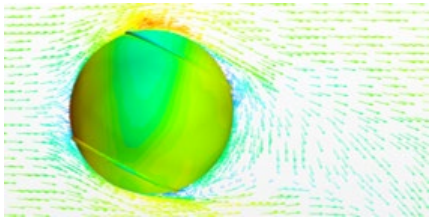

I'm at WSU now. What's next?
Admitted, enrolled, & studying hard!
Need to certify before your junior year.
Pass the Writing Portfolio after completing 60 credits.
Apply for graduation your junior year & get To-Do list.
Complete all required UCOREs & major courses.
GRADUATE

Outline

- Introduction by Indranath Dutta, Director
- Introduction to the Associate Director for Undergraduate Program: Dr. Konstantin Matveev
- Introduction to the Academic Advisors
- Academics (presented by Megan Comstock)
  1. MME Advisors and the Advising Process
  2. Schedules of Study for ME and MSE (websites)
  3. Course Planning & Meeting with Advisors
  4. Resources Available: Tutoring Service, Career Service, Scholarship (websites)
  5. Academic Integrity
  6. Cougar Health Service: Crisis Support
- Safety (presented by Prof. Bob Richards)
- Student Clubs (presented by Monika Jones)
- VCEA Career Mentoring and Career Services (presented by Sandi Brabb)
- Students' experience (presented by Daniel Goto and Maya Nakasone)
- Preparation for an engineering career (Gene Jones, BSME 1980)
- Q & A

Dr. Konstantin Matveev

- Associate Director for Undergraduate Studies at MME School
- Professor
- Teaches classes in Thermo-fluids and Experimenta
- Carries out research on fast boats, UAV, energy sy



Undergraduate Studies Committee

- We deal with curriculum, advising, accreditation, etc.
- My main goal is to ensure that our graduating students get well-paying jobs in engineering, including high-tech companies
- Currently, we offer technical elective courses in ME areas of manufacturing, thermo-fluids, autonomous control
- In Fall 2020 we expect to have formal concentrations in these areas of ME at the junior/senior level and make MSE curriculum more engineering-focused

Undergraduate Studies Committee

- From Fall 2020, we expect that certification process will go away
- To maintain major in ME or MSE, milestones will be introduced:

  - Must get C or better in all STEM courses required for MME degree and in all pre-reqs for MME courses

  - Maintain 2.6 average GPA in STEM courses

  - Any STEM course can be repeated only once

  - Students failing these requirements will have one probationary semester to correct the situation

- Already certified students will not be affected by these changes

- Fell free to stop by at my office Sloan 225C if you have any concerns

MME Academic Advisors

Andrea Butcherite
Academic Coordinator
Pullman students 34-67

abpatterson@wsu.edu
509-335-2767
Sloan 209

Megan Comstock
Academic Coordinator
Pullman students 68-99

meganc@wsu.edu
509-335-8582
Sloan 205

Amy Johnson
Academic Coordinator
Pullman students 00-33

amy.johnson4@wsu.edu
509-335-7386
Sloan 207

Advising is...

- A collaborative relationship
- An academic resource
- A service to you as a student
- An educational process
- A commitment between student and advisor

Advising Mission

Academic advising builds collaborative, student-centered relationships that support achievement of personal development and academic success.

The Advisor's Role:

Acknowledge:

- Each student is different
- FERPA

Support:

- Academic Development
  - University requirements
  - Education/Academic Planning
  - Support academic exploration
    - Your academic goals
- Student Development
  - Recognize Strengths
  - Suggest areas for growth
  - Connect to resources

Professional Development:

- Guidance toward career
- Connect to opportunities
- Share info on Engineering careers

The Student's Role:

Acknowledge:

- You are unique
- Your rights [FERPA]
- Responsible

Engage:

- Ask questions
- Active learning skills
- Be prepared
- Research programs of study
- Participate
- Accept Responsibility

Learn:

- How to use my.WSU
- MME requirements
- WSU Campus
- WSU Resources

As academic advisors, our number one priority is to ensure you have access to the resources you need to make the best decision for yourself.

If you find yourself in a situation that is beyond your control, come see us immediately!

WSU Academic Regulations:

https://registrar.wsu.edu/academic-regulations/

The student has the ultimate responsibility for meeting all graduation requirements.

108. STUDENT RESPONSIBILITY FOR GRADUATION

The student has the ultimate responsibility for meeting all graduation requirements. The student plans the program of study each semester in consultation with the advisor. The degree requirements listed in the catalog and in the advisement report are binding. Colleges may substitute or waive college-level requirements for individual students. Departments may substitute or waive departmental requirements for individual students.

Schedules of Study

ME and MSE

Course Matrix

ME COURSE MATRIX

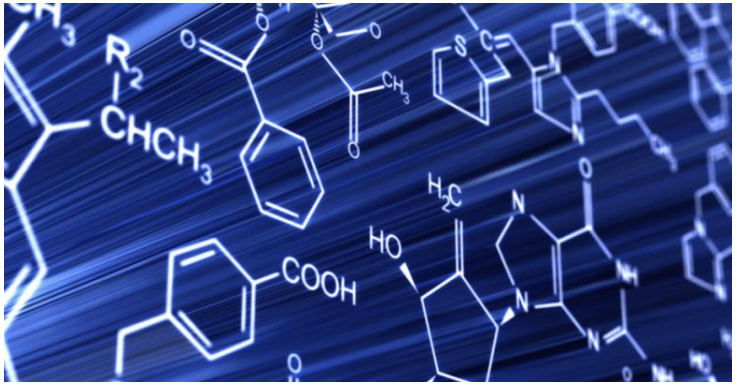
Mechanical Engineering 2018-2019
Undergraduate Curriculum

1st Year	FALL 16 Credits	◈ MATH 171 [3-3-4] (C)* Calculus I {ALEKS Placement = 83%}	◈ CHEM 105 [3-3-4] (C) * Principles of Chemistry I {ALEKS Placement = 80%}	ENGR 120 [1-3-2] Innovation in Design {Calc. I Ready}	ENGL 101 [3-0-3] College Composition {Writing Placement}	[ARTS] [3-0-3] {Any course under 'ARTS' from UCORE[1] }
	SPRING 16 Credits	◈ MATH 172 [3-3-4] (C) * Calculus II {MATH 171 or c//}	CHEM 106 [3-3-4] * Principles of Chemistry II {CHEM 105}	ME 116 [0-6-2] (C) * Engineering CAD & Visualizations {Calc. I Ready}	HISTORY 105 [3-0-3] Roots of Contemporary Issues	[BSCI] [3-0-3] Any course under 'BSCI' from UCORE[1]
2nd Year	FALL 16/18 Credits	MATH 220 [2-0-2] (C) * Linear Algebra {MATH 171}	MATH 273 [2-0-2] (C) * Calculus III {MATH 172}	◈ PHYSICS 201 [3-3-4] (C) * Physics for Scientists & Engineers {MATH 171, MATH 172 or c//}	◈ CE 211 [3-0-3] (C) * Statics {MATH 172 or c//, PHYSICS 201 or c//}	EE 221 [2-0-2] * Numerical Computing for Engineers /CPT_S 121 [3-3-4] * Program Design & Development C/C++ {see catalog}	ECONS 102 [3-0-3] Macro-Economics {ALEKS Placement = 40%}
	SPRING 16 Credits	MATH 315 [3-0-3] (C) * Differential Equations {MATH 273, MATH 220 or c//}	PHYSICS 202 [3-3-4] (C) * Physics for Scientists & Engineers {PHYSICS 201}	CE 215 [3-0-3] * Mechanics of Materials {CE 211}	ME 212 [3-0-3] * Dynamics {CE 211}	ME 216 [0-6-2] * Integrated CAD Design {ME 116, CE 215 or c//}	ME 220 [0-3-1] * Materials Lab {CE 215 or c//}
3rd Year	FALL 18 Credits	STAT 370 [3-0-3] * Statistics for Engineers {MATH 172}	EE 261 [3-0-3] (C) * Electrical Circuits I {MATH 315 or c//, PHYSICS 202}	MSE 201 [3-0-3] * Materials Science {CHEM 105, PHYSICS 201 or c//}	ME 301 [3-0-3] * Fundamentals of Thermodynamics {PHYSICS 201}	ME 303 [3-0-3] * Fluid Mechanics {ME 212}	ME 313 [2-3-3] * Engineering Analysis {MATH 315 or c//, CE 215, ME 116, EE 221 or CPT_S 121}
	SPRING 18 Credits	ENGL 402 [3-0-3] Technical Writing {Junior Standing [60 credits]}	EE 262 [0-3-1] * Electrical Circuits Lab I {EE 261 or c//}	ME 304 [3-0-3] Heat Transfer {ME 301, ME 303, MIE}	ME 306 [1-3-2] Thermal & Fluids Lab {ME 301, ME 303, STAT 370 or c//, MIE}	ME 310 [2-0-2] Manufacturing Processes {MSE 201, MIE}	ME 311 [0-3-1] Manufacturing Processes Lab {ME 310 or c//, MIE}	ME 316 [3-0-3] Mech. Comp. Analysis & Design {CE 215, ME 216 or c//, ME 220 or c//, MIE}	ME 348 [3-0-3] Dynamic Systems {ME 212, ME 313, MIE}
4th Year	FALL 15 Credits	[DIVR] [3-0-3] Any course under 'DIVR' from UCORE[1]	ME 401 [2-3-3] Mechatronics {EE 262, ME 348, MIE}	ME 405 [3-0-3] Thermal Systems Design {ME 304, MIE}	ME 415 [3-0-3] Engineering Design {ME 310 or c//, ME 311 or c//, ME 316 or c//, MIE}	ME Technical Elective [3-0-3] ME or MSE (400-500) or BE 425 See List Below[2]
	SPRING 12 Credits	[HUM] [3-0-3] Any course under 'HUM' from UCORE[1]	ME 406 [1-6-3] Experimental Design Lab {ENGL 402 or c//, ME 220, ME 304, ME 306, ME 348, MIE}	ME Technical Elective [3-0-3] ME or MSE (400-500) or BIO_ENG 425 See List Below[2]	ME 416 [1-6-3] Mechanical Systems Design {ME 304, ME 348, ME 415, MIE}	

MSE COURSE MATRIX

Materials Science and Engineering 2018-2019
Undergraduate Curriculum

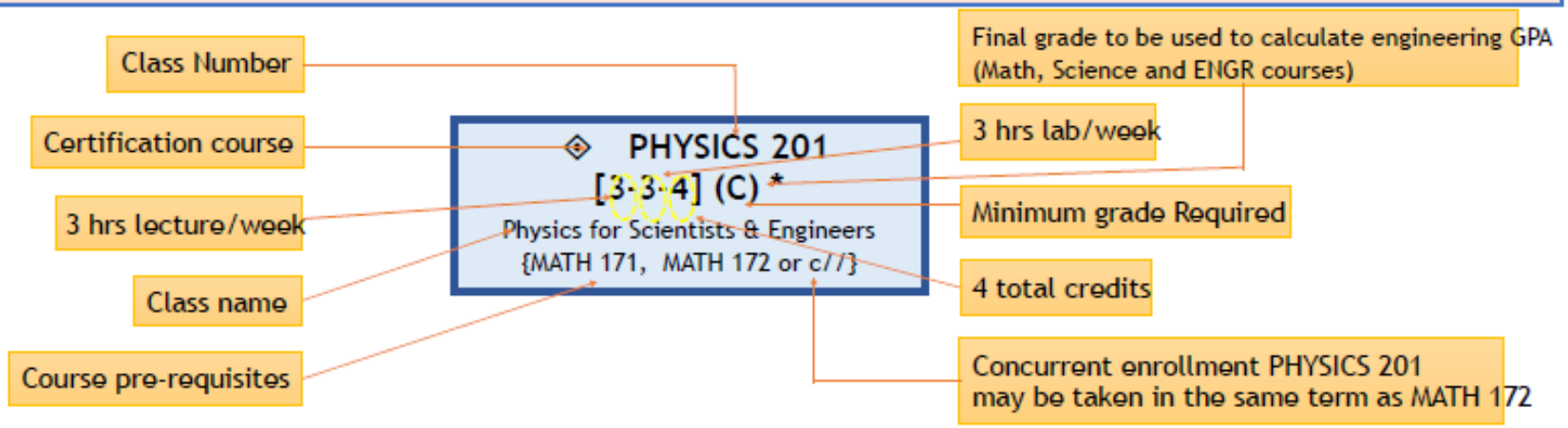
1st Year	FALL 16 Credits	◈ MATH 171 [3-3-4] (C)* Calculus I (ALEKS Placement = 83%)	◈ CHEM 105 [3-3-4] (C) * Principles of Chemistry I (ALEKS Placement = 80%)	MSE 110 [2-0-2] Innovation in Design (Calc. I Ready)	ENGL 101 [3-0-3] College Composition (Writing Placement)	[ARTS] [3-0-3] (Any course under 'ARTS' from UCORE[1])
	SPRING 18 Credits	◈ MATH 172 [3-3-4] (C) * Calculus II (MATH 171)	◈ CHEM 106 [3-3-4] (C) * Principles of Chemistry II (CHEM 105)	◈ PHYSICS 201 [3-3-4] (C) * Physics for Scientists & Engineers (MATH 171, MATH 172 or c//)	HISTORY 105 [3-0-3] Roots of Contemporary Issues	[BSCI] [3-0-3] Any course under 'BSCI' from UCORE[1]
2nd Year	FALL 17 Credits	MATH 220 [2-0-2] (C) * Linear Algebra (MATH 171 or c//)	MATH 273 [2-0-2] (C) * Calculus III (MATH 172)	PHYSICS 202 [3-3-4] (C) * Physics for Scientists & Engineers (PHYSICS 201)	CE 211 [3-0-3] (C) * Statics (MATH 172 or c//, PHYSICS 201 or c//)	MSE 201 [3-0-3] * Materials Science (CHEM 105, PHYSICS 201 or c//)	[HUM] [3-0-3] Any course under 'HUM' from UCORE[1]
	SPRING 15/17 Credits	MATH 315 [3-0-3] (C) * Differential Equations (MATH 273, MATH 220 or c//)	[DIVR] [3-0-3] * 'DIVR' from UCORE[1]	CE 215 [3-0-3] * Mechanics of Materials (CE 211)	EE 221 [2-0-2] * Numerical Computing for Engineers /CPT_S 121 [3-3-4] * Program Design & Development C/C++ (see catalog)	ECONS 102 [3-0-3] Macro-Economics (ALEKS Placement = 40%)	ME 220 [0-3-1] * Materials Lab (CE 215 or c//)
3rd Year	FALL 17 Credits	STAT 370 [3-0-3] * Statistics for Engineers (MATH 172)	ME 310 [2-0-2] Manufacturing Processes (MSE 201, MIE)	MSE 302 [3-0-3] * Electronic Materials (CHEM 105, PHYSICS 202 or c//)	MSE 316 [3-0-3] <FALL>* Thermodynamics & Kinetics of Materials (MSE 201)	MSE 320 [1-6-3] <FALL>* Materials Structure-Properties Lab (MSE 201 or c//)	MSE 402 [3-0-3]<FALL>* Polymeric Materials (MSE 201)
	SPRING 15 Credits	EE 261 [3-0-3] (C) * Electrical Circuits I (MATH 315 or c//, PHYSICS 202)	EE 262 [1-6-1] * Electrical Circuits Lab I (EE 261 or c//)	MSE 321 [3-0-3]<SPRING>* Materials Characterization (MSE 201)	MSE 323 [1-3-2]<SPRING> Materials Characterization Lab (MSE 321 or c//)	MSE 401 [3-0-3]<SPRING>* Metallic Materials (MSE 201)	MSE 403 [3-0-3] Ceramic Materials (MSE 201)
4th Year	FALL 12 Credits	ME 416 [1-6-3] Mechanical Systems Design (Certified Major in MME)	ME 413 [3-0-3]<FALL>* Mechanics of Solids (CE 215, MSE 201)	MSE 425 [0-9-3] Senior Thesis I (MSE 320, MSE 323, Certified MSE)	ENGINEERING & SCIENCE ELECTIVE [3-0-3] * BIOLOGY 301, BIO ENG 481, CE 341, EE 214, ME 116 and ME 216 combined, ME 212, 301, 303, 304, 313, 316, 348, 449, 461, 472, CHEM 331, 332, 345, 347, PHYSICS 303, 304, 463, MBIOS 303, any 400 or 500-level MSE, or any 500-level ME (except Integrated Capstone course in MSE)		
	SPRING 12 Credits	ENGL 402 [3-0-3] Technical Writing (ENGL 101, Junior Standing (60 credits))	MSE ELECTIVE [3-0-3] Any 400 or 500 level MSE Course	TECHNICAL ELECTIVE [3-0-3] Upper-division CE, CHE, CHEM, CPTS, EE, MATH, MSE, ME, PHYSICS, or STAT course (except ME 416)	ENGINEERING & SCIENCE ELECTIVE [3-0-3]* See Above		



Understanding the courses and plan through credit, pre-reqs, and certification requirements!

KEY

◈ = Certification Course; * = Grade calculated for ENGR GPA; [ ] = Lecture Hours - Lab Hours - **Total Credits**
( ) = Minimum Grade Required; { } = Course pre-requisites; c// = Concurrent Enrollment; MIE = Certified Major in Mechanical Engineering; <FALL> = Course typically offered during Fall; <SPRING> = Course typically offered during Spring



Where to access the course matrix?

- WSU MME website: https://mme.wsu.edu/

  Academics→ Undergraduate→ Mechanical Engineering (or Material Science Engineering) → Curriculum

ME https://mme.wsu.edu/undergraduate/mechanical-engineering/

MSE https://mme.wsu.edu/undergraduate/materials-science-and-engineering/

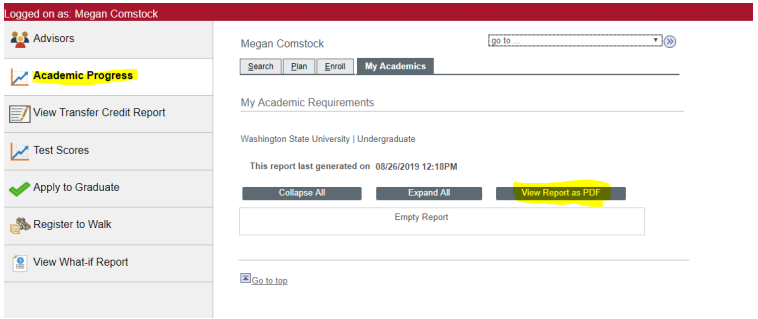
Course Planning

Finding and Meeting with your Academic Advisor

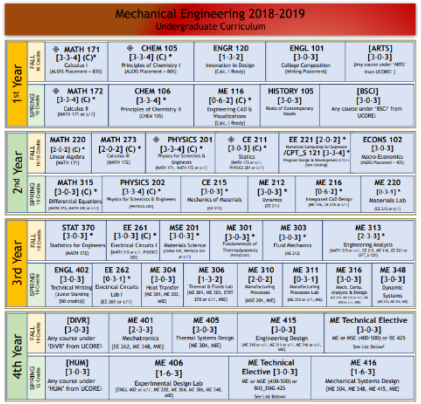
Registration

Course Planning Tools

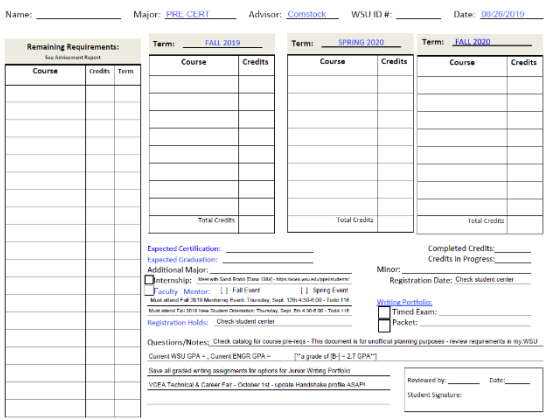
Advisement Report



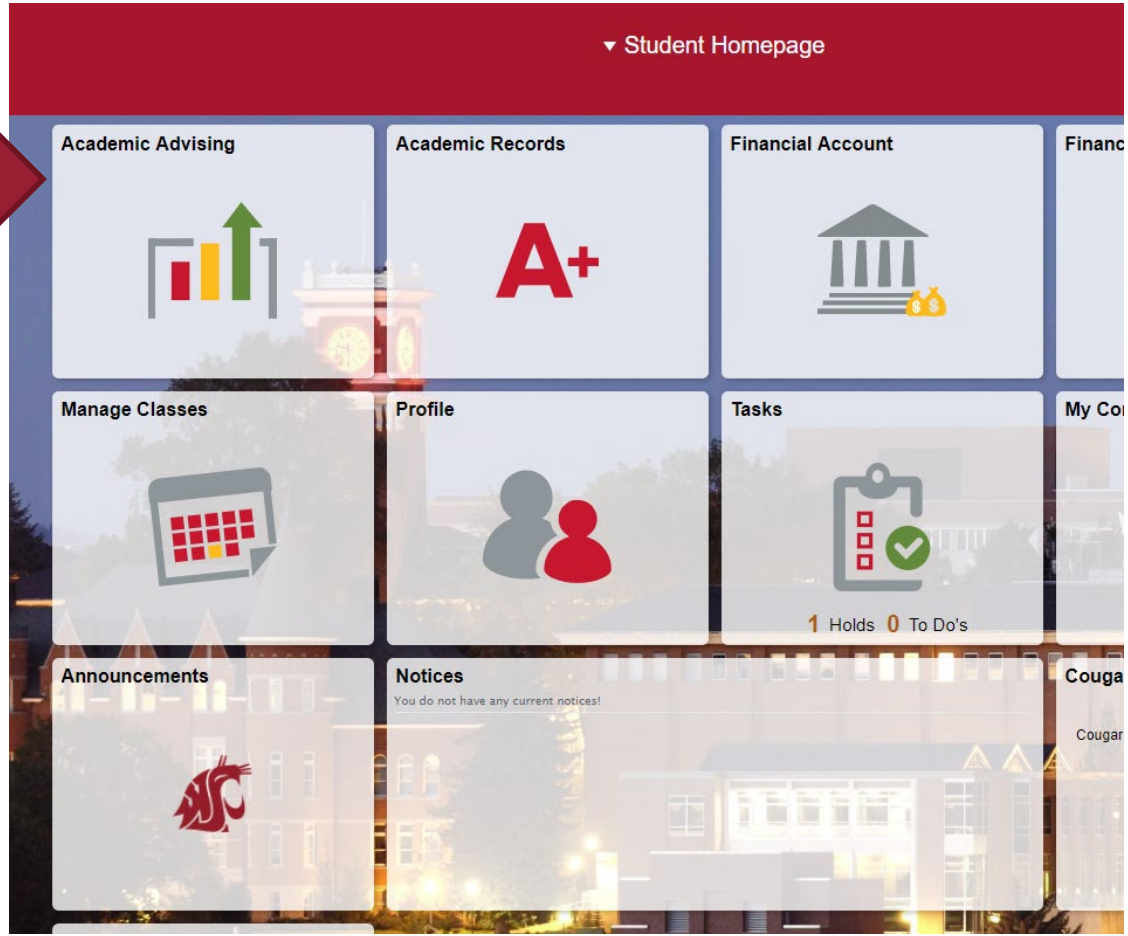
Course matrix



Advising sheet

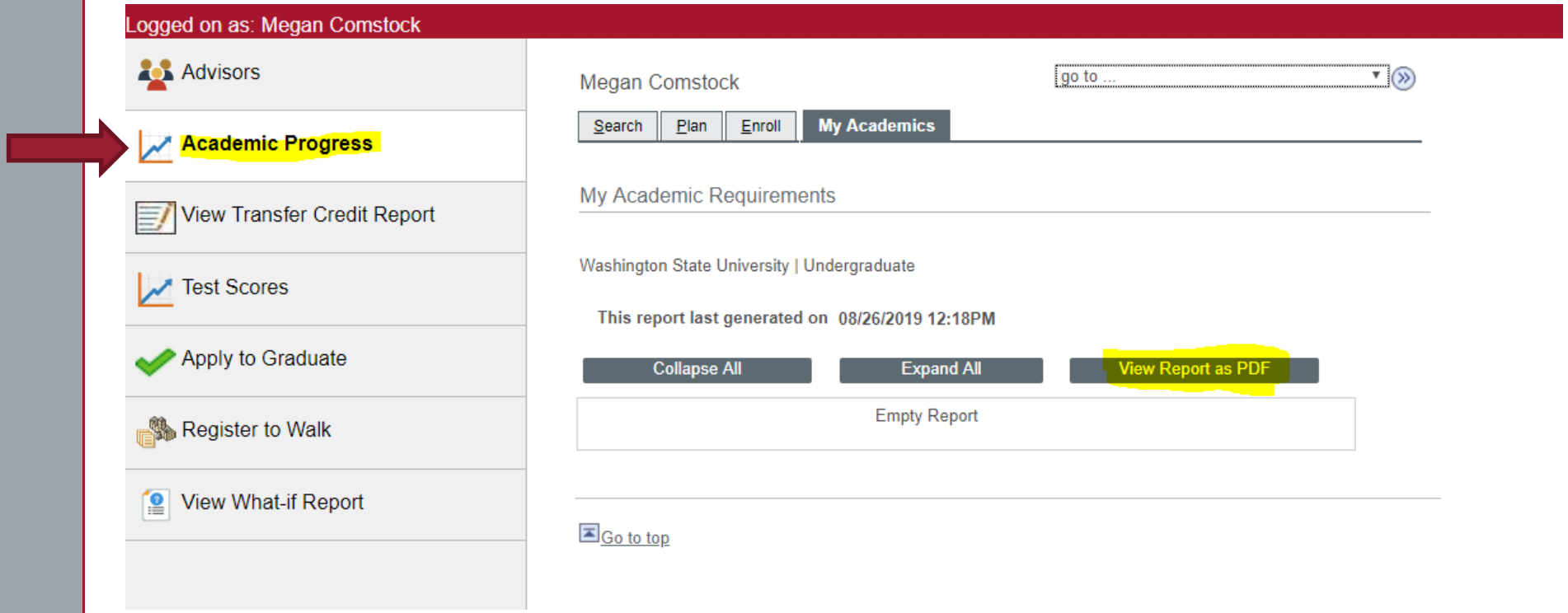


ADVISEMENT REPORT



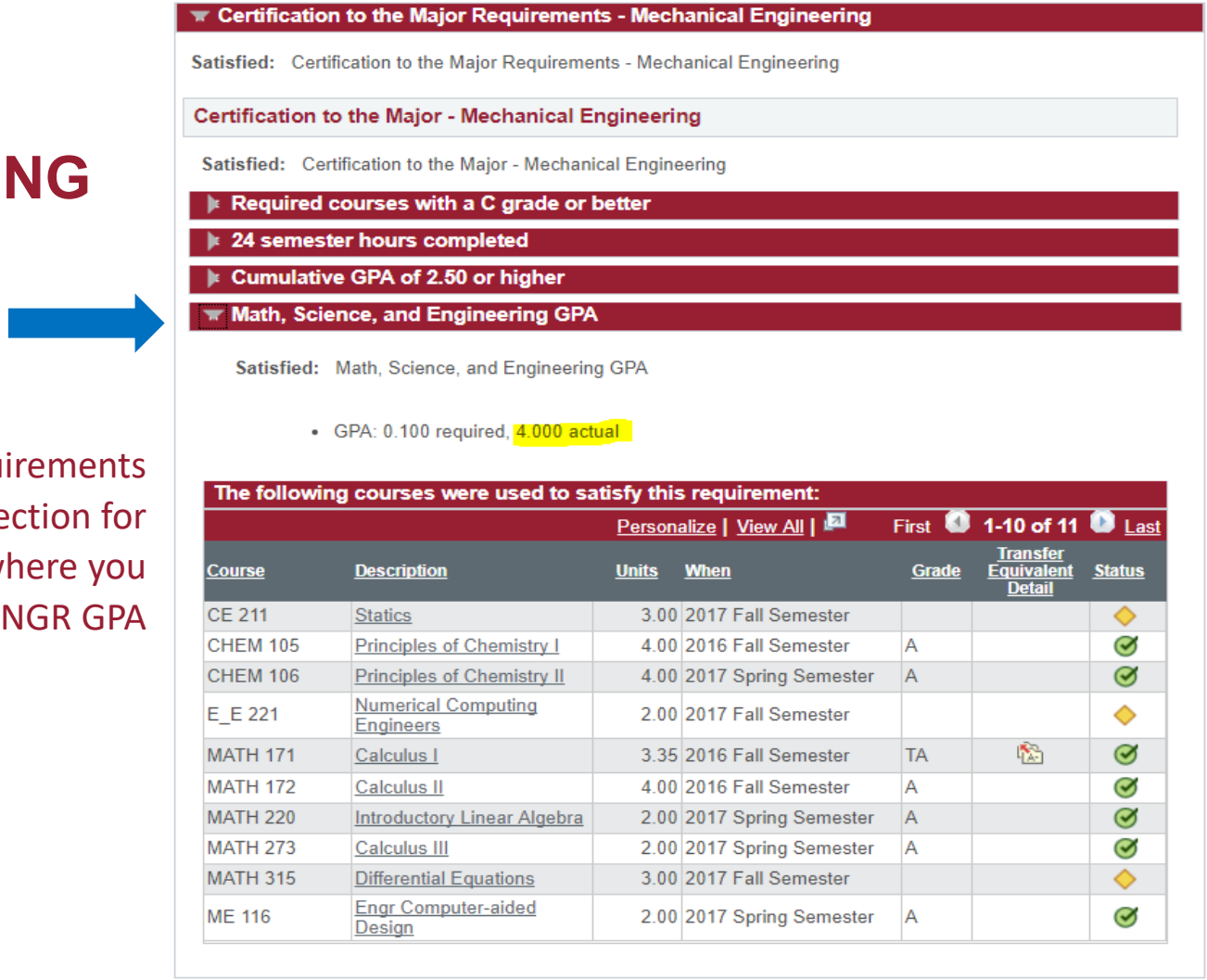
my.WSU
Student Center
Click on tile for:
Academic Advising

- From the menu on the left – click Academic Progress
- Compare completed courses with Course Matrix
- Fill out advising sheet



ENGINEERING GPA

The Academic Requirements includes a section for certification, this is where you can find your ENGR GPA



Certification to the Major Requirements - Mechanical Engineering

Satisfied: Certification to the Major Requirements - Mechanical Engineering

Certification to the Major - Mechanical Engineering

Satisfied: Certification to the Major - Mechanical Engineering

Required courses with a C grade or better

24 semester hours completed

Cumulative GPA of 2.50 or higher

Math, Science, and Engineering GPA

Satisfied: Math, Science, and Engineering GPA

- GPA: 0.100 required, 4.000 actual

The following courses were used to satisfy this requirement:

Personalize | View All | First 1-10 of 11 Last

Course	Description	Units	When	Grade	Transfer Equivalent Detail	Status
CE 211	Statics	3.00	2017 Fall Semester			
CHEM 105	Principles of Chemistry I	4.00	2016 Fall Semester	A		
CHEM 106	Principles of Chemistry II	4.00	2017 Spring Semester	A		
E_E 221	Numerical Computing Engineers	2.00	2017 Fall Semester			
MATH 171	Calculus I	3.35	2016 Fall Semester	TA		
MATH 172	Calculus II	4.00	2016 Fall Semester	A		
MATH 220	Introductory Linear Algebra	2.00	2017 Spring Semester	A		
MATH 273	Calculus III	2.00	2017 Spring Semester	A		
MATH 315	Differential Equations	3.00	2017 Fall Semester			
ME 116	Engr Computer-aided Design	2.00	2017 Spring Semester	A		

Advising Sheet:

Fill out to the best of your ability and bring to your advising appointment

Make a list of requirements that are not satisfied

Name: _____ Major: PRE-CERT Advisor: Comstock WSU ID #: _____ Date: 08/26/2019

Remaining Requirements:
See Advisement Report

Course	Credits	Term

Term: FALL 2019

Course	Credits
Total Credits	

Term: SPRING 2020

Course	Credits
Total Credits	

Term: FALL 2020

Course	Credits
Total Credits	

Map out your academic plan

Expected Certification: _____
Expected Graduation: _____
Additional Major: _____
Completed Credits: _____
Credits in Progress: _____
Minor: _____
Registration Date: Check student center

☐ Internship: Meet with Sandi Brabb [Dana 138a] - https://vcea.wsu.edu/ppel/students/

☐ Faculty Mentor: [ ] Fall Event [ ] Spring Event

Must attend Fall 2019 Mentoring Event: Thursday, Sept. 12th 4:30-6:00 - Todd 116

Must attend Fall 2019 New Student Orientation: Thursday, Sept. 5th 4:30-6:00 - Todd 116

Registration Holds: Check student center

Writing Portfolio:
☐ Timed Exam: _____
☐ Packet: _____

Questions/Notes: Check catalog for course pre-reqs - This document is for unofficial planning purposes - review requirements in my.WSU

Current WSU GPA = , Current ENGR GPA = [**a grade of [B-] = 2.7 GPA**]

Save all graded writing assignments for options for Junior Writing Portfolio

VCEA Technical & Career Fair - October 1st - update Handshake profile ASAP!

Reviewed by: _____ Date: _____

Student Signature:

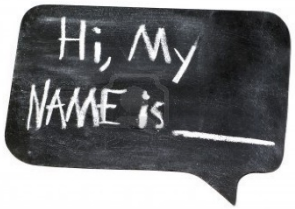
Finding and Meeting with Advisors

Who is my MME Advisor?

Check your student center in my.WSU

Advisor	OFFICE	ID#
Amy Johnson	Sloan 207	00-33
Andrea Butcherite	Sloan 209	34-67
Megan Comstock	Sloan 205	68-99

- Set up an appointment through Advising Navigate
- **Be on time!**
- Come prepared with the advising sheet & a list of questions
- Remember to introduce yourself!



Registration

- Registration: Be ready for your registration time!
  - Date and times should be available the week of October 7th
- Priority Registration begins November 4th
- Meet with your advisor before November 1st
- Take care of any registration holds
  - There are 24 ways WSU can prevent students from registering
- Place courses in your Shopping Cart
- Validate Enrollment

https://registrar.wsu.edu/

https://registrar.wsu.edu/academic-calendar/

myWSU FAQs for Students

- How do I add classes to my shopping cart using the Classic View in myWSU?
- How do I enroll in classes?
- How do I drop a class?
- How do I swap a class?
- How do I view my position on the wait list?
- I get an error message saying 'Requisites not met' when I try to register for a class. What exactly does that mean?
- How to Apply for Graduation
- Where can I find course abbreviations for Schedule Surfer?
- How to View Unofficial Transcripts?
- How do I order an official transcript as a PDF?
- How do I change a credit or instructor variable credit class?
- How do I view my grades?
- How do I set up Third Party Access?

CERTIFICATION - THROUGH FALL 2019

Minimum Requirements for ME

- MATH 171
- CHEM 105
- MATH 172
- PHYSICS 201
- CE 211

Grades and GPA:

A	4.0
B	3.0
C	2.0
F	0.0
~~	
B-	2.7
B+	3.3

Minimum Requirements for MSE

- MATH 171
- CHEM 105
- MATH 172
- CHEM 106
- PHYSICS 201

ME Certification

To be competitive: GPA > 2.7

MSE Certification

To be eligible: GPA > 2.50

Must earn at least a C in each course required for certification.

Jr. Writing Portfolio

Two steps to complete:

1- Timed Writing Exam

2- Three samples of your best work, with instructor signature

They can be submitted separately in different semesters, or all at once.

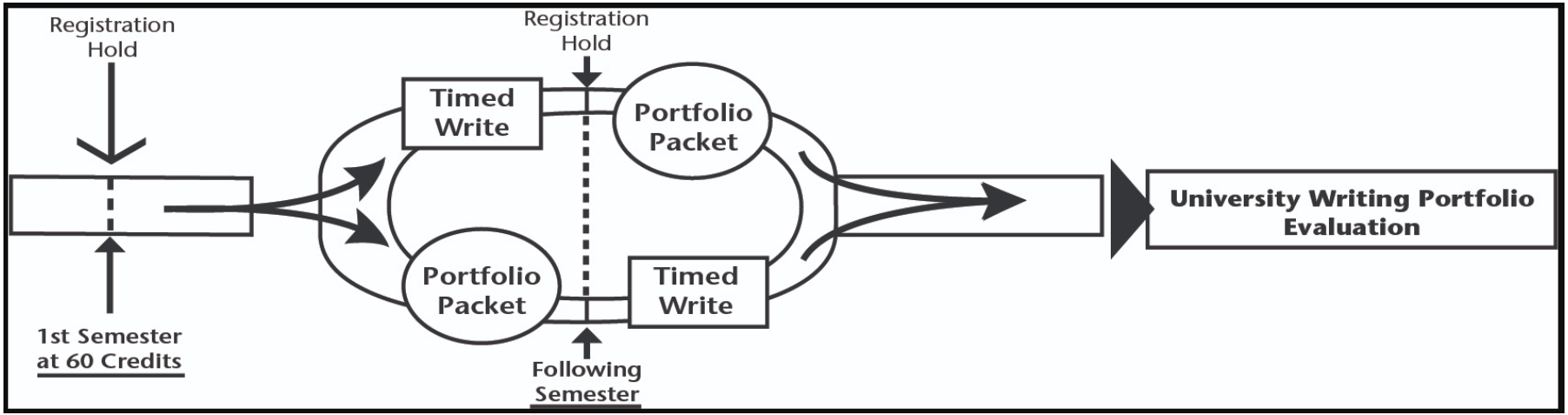
When to complete- any time! This can be done before junior year, but by junior year (60 credits+) if not resolved you will receive a HOLD that would impact ability to enroll in classes.

PLAN AHEAD! Save work!

And other helpful hints to prepare ahead of time.

Things I wish I knew as a student in regards to the Jr. Writing Portfolio…

- PLAN AHEAD! Not only saving work but collect signatures along the way.
- Blackboard submissions do not save forever, keep records and print off the writing material if submitted online.
- In case of computer errors, keep a back up or a physical copy.



You can benefit from utilizing the resources available to you.
Be successful in and out of the classroom.
Prepare for graduation with a career in mind.

Fall VCEA Technical Career Fair – Oct. 1st 10:00-3:00

Fall term is a heavy recruiting season for summer internships

Spring Career Expo [ASCC] – February

Tutoring, Career Services, Scholarships

- TUTORING
  - VCEA Tutoring Center (DANA 152): https://vcea.wsu.edu/tutors/
  - Math Learning Center (Cleveland 130): http://math.wsu.edu/mlc/
  - Writing Center (CUE 303): https://writingprogram.wsu.edu/undergraduate-writing-center/
- VOILAND INTERNSHIPS AND CAREER SERVICES
  - Sandi Brabb, Dana 138: https://vcea.wsu.edu/ppel/students/
- SCHOLARSHIPS:
  https://vcea.wsu.edu/scholarships/
  - Watch for email from your advisor about scholarship opportunities

Year-Round Academic Resources

Winter Session – Study Abroad – Summer Session - Internships

Study Abroad

Internships

Internships are typically a one-time work (10-12 weeks) experience related to a student's major or career goal, often completed in the summer. Normally, an internship does not interfere with college classes, but due to the shorter duration, less training is accomplished.

Internships can be paid or unpaid and the student may or may not receive academic credit for performing the internship.

Professional Practice & Experiential Learning

Speed up your academic career by earning three credits online during WINTER SESSION.

Earn three credits online during Winter Session!

3-week courses: December 14, 2019 – January 5, 2020

6-week courses: December 2, 2019 – January 12, 2020

Registration begins in April. Register early, and access your online course starting **November**!

ACADEMIC INTEGRITY

- Academic Regulation 46, Penalty for Academic Dishonesty.
- Not sure if it is a violation of the academic integrity policy? Talk to your TA or instructor.
- Bottom Line: Do **your own work** and give credit where it's due (cite sources clearly and properly).

Apply for graduation!

- When
  - MME expects students to apply earlier than the university deadline to assist with enrollment of senior courses.
  - **Plan to apply the term after you complete 90 credits.**
- How
  - Online through my.WSU
  - https://graduations.wsu.edu/applying-for-graduation/

RESOURCES FOR STUDENTS

- Cougar Health Services
- Crises Resources
- Access Center
- Center for Civic Engagement
- Center for Community Standards
- Center for Fraternity and Sorority Life
- Gender Identity/Expression and Sexual Orientation Resource Center [GEISORC]
- International Programs
- Multicultural Student Services
- Office of the Dean of Students
  - AWARE Network
- Office of the Ombudsmen
- Residence Life
- Student Involvement
- Women's Center
- WSU Psychology Clinic
- Office of Civil Rights Compliance and Investigation

Cougs help Cougs!

CULTURE OF SAFETY

CLASSES, CLUBS, LABS

WSU Safety Incidents

Slips, Trips & Falls 128

Ergonomic Injuries 105

Struck by Objects 53

Cuts 50

CLASS SAFETY

ME 306
Thermal Fluid
Lab

Class Safety
Training

CLUB SAFETY

WAZZU Racing

Club Safety Officer

LAB SAFETY

Undergraduate Research

Faculty Mentor
School Safety Training

School of Mechanical & Materials Engineering Student Clubs

- Aeronautics and Astronautics Aerospace Club (AIAA)
- American Society of Mechanical Engineering (ASME)
- Cougar CAD Club
- Humanitarian Engineering at Washington State (HEWS)
- Material Advantage (ASM)
- Materials Research Society (MRS)
- Robotics Club
- Society for the Advancement of Material and Process Engineering (SAMPE)
- Society of Automotive Engineers – Formula Car (FSAE)

For more information on MME clubs, https://mme.wsu.edu/clubs/
For more information on all VCEA clubs, go to https://vcea.wsu.edu/student-clubs-and-professional-societies/.

American Institute of Aeronautics & Astronautics

AIAA

President: Bryson Jaipean
Advisor: Dr. Jake Leachman

General Meetings:
Mondays & Fridays - Dana 51
@ 5:30 p.m.

For more information:
hub.wsu.edu/aerospace

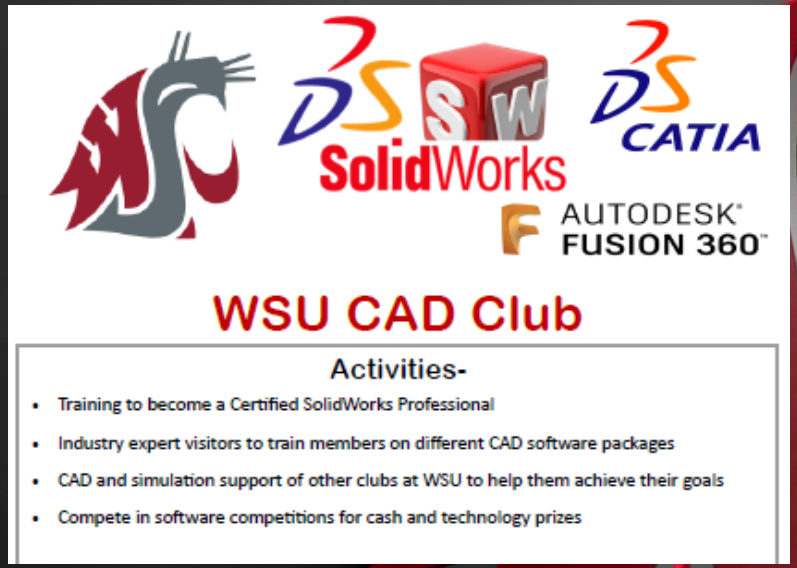
American Society of Mechanical Engineers

President: Kayla M. Schumacher
Advisor: Dr. Roland Chen
General Meetings: Tuesdays @ 6 p.m. in Dana 242

Website: http://asme.wsu.edu/
Facebook: https://www.facebook.com/groups/157740581016552/

The mission of the American Society of Mechanical Engineers (ASME) is to provide an opportunity for students to begin their professional careers by joining a professional engineering society andto inform students of recent developments in the field of mechanical engineering through publications, field trips and meetings; to promote fellowship.

COUGAR CAD CLUB



President: Sean Dimmer

Advisor: Dave Torick

For more information:

https://orgsync.com/173229/chapter

Humanitarian Engineering at Washington State

What is HEWS?

The purpose of Humanitarian Engineering at Washington State (HEWS) is to design, test, and develop solutions to global community issues. Members should expect to apply their creative/engineering skills in order to help their global community as a whole, and to learn and grow as students of Washington State University. Work done within the club will help students to expand their current skillset to include design, manufacturing techniques, communication, etc., all while giving them the tools to help those in need.

What Are We Working On?

Currently our club is working with a charity in Kampala, Uganda to build a brick extruder. We plan to finish our design and prototyping by the end of the Fall 2018 semester, so that we can prepare for fabrication and implementation. We are also upscaling a project that was started last year for the Whitman County Humane Society, which involved retrofitting their outer kennel doors to open to the outside without having to enter the kennels.

Who Can Join?

We accept anyone, from any background or major. Just because HEWS is focused around engineering doesn't mean we don't need economic analysis, graphic design, outreach, or other important roles filled in our club. Contact us to learn about how to get involved!

President

Dylan Prichard

360-701-7491

dylan.prichard@wsu.edu

Vice President

Sean Dimmer

425-246-1128

sean.dimmer@wsu.edu

Humanitarian Engineering @ Washington State

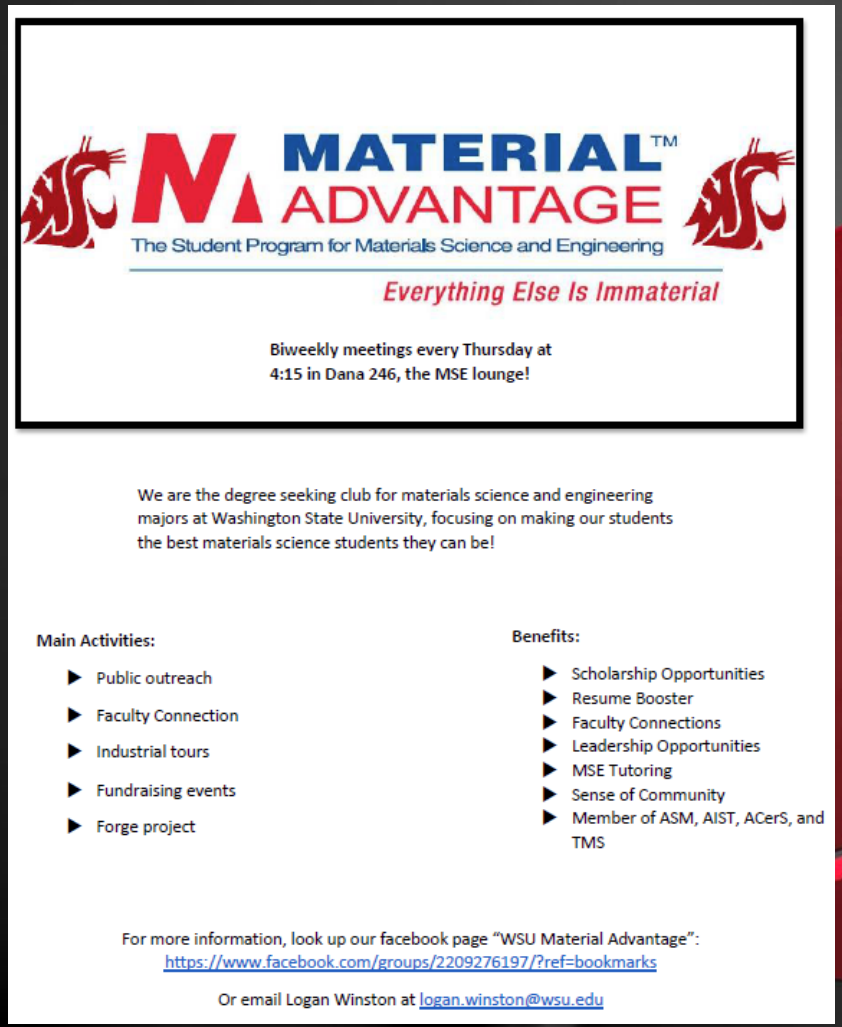
HEWS

President: Samuel Parkman

Advisor: Dave Torick

For more information:

https://orgsync.com/159738/chapter



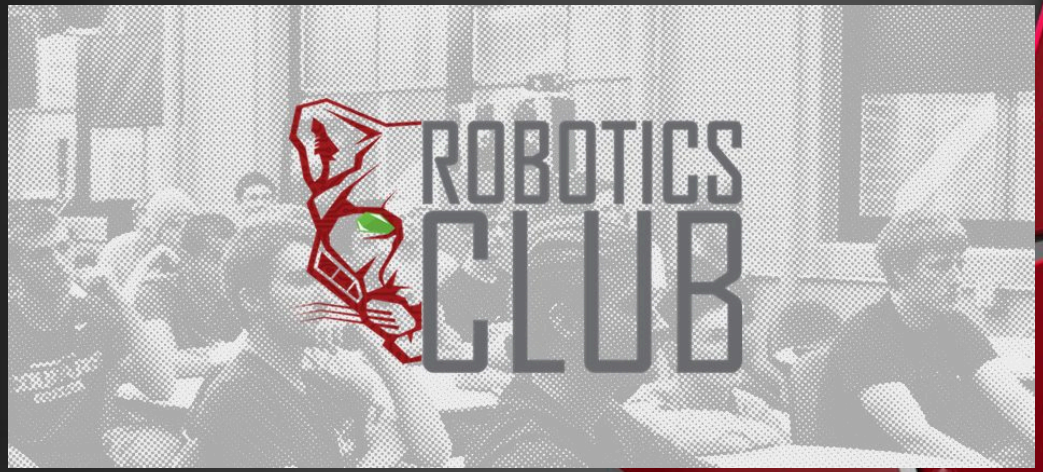
Material Advantage ASM/AIME/MA

Co-Presidents: Caitlin Grover & Jessie Schweitzer

For more information:

https://www.facebook.com/groups/2209276197/

https://orgsync.com/38879/chapter



President: TBD
Advisor: Dr. John Swensen

For more information:
http://robotics.eecs.wsu.edu/
https://www.facebook.com/wsu.robotics/
https://orgsync.com/78787/chapter

Members

We are mostly undergraduate and graduate students in CS, EE, CpE & ME, but we also have members from other majors as we are open to all WSU students who are interested in robotics.

Weekly Meeting

5:30pm to 7:00 pm on Thursdays
Dana Hall 3, Intelligent Robot Learning Laboratory

The Experience

The club provides a collaborative and hands-on experience in planning, building, and programming robots. We also offer basic to advanced tutorials relative to robotics. We also strive to engage our local community in robotics.

SAMPE North America
Student Program Opportunities

The Society for the Advancement of Material and Process Engineering (SAMPE®) is a global professional member society that provides information on new materials and processing technology via conferences, exhibitions, technical forums, publications, and books. As the only technical society encompassing all fields of endeavor in materials and processes, SAMPE provides a unique and valuable forum for scientists, engineers, and academicians.

Fall Conference

Research Symposium at CAMX

- Description: Technical Research Recognition and Award
- Award: $100-1000 depending on category, flight and lodging for CAMX
- Deadline: February
- Additional information: tinyurl.com/sampe-URS

Chapter Funding

- Description: Student Chapters can apply for yearly funding stipend to support student activities
- Award: $1000 maximum to be distributed by the Chapter's Faculty Advisor
- Deadline: December
- Additional information: tinyurl.com/chapter-funding

Fall & Spring Conference

Student Social Reception

- Description: Students can attend annual Student Reception during the Fall and Spring Conferences
- Dinner and networking opportunity
- Additional information: www.sampeamerica.org

Professional Membership

- Description: FREE 1 year Professional Membership
- Award: Membership Fee waived
- Deadline: 1 Year from Graduation Date
- Additional information: tinyurl.com/sampe-recent-grad

Spring Conference

International Leadership Program

- Description: Networking Opportunity with peers and industry professionals in the Materials and Processes community
- Award: SAMPE Spring Conference admission, Flight and Lodging paid in full for selected Student Leaders
- Deadline: March
- Additional information: tinyurl.com/sampe-leader-award

Bridge Competition

- Description: Annual Competition building and test composite bridges during the SAMPE Spring Conference
- Award: up to $650 for winning entries
- Deadline: March with kit; May without kit
- Additional information: tinyurl.com/sampe-bridge-contest

Additive Manufacturing Competition

- Description: Annual Competition designing, fabricating using additive manufacturing machine and testing parts
- Award: $150-500 for winning entries
- Deadline: April
- Additional information: tinyurl.com/sampe-am-contest

Poster Contest

- Description: Poster Contest at SAMPE Spring Conference
- Award: $500 first place prize
- Deadline: April
- Eligibility: Any SAMPE Student member
- Additional information: www.sampeamerica.org

Connect. Enhance. **Grow.** Discover.

sampe North America

Society for the Advancement of Material & Process Engineering SAMPE

President: Yi Chen
Advisor: Dr. Lloyd Smith

For more information:
https://orgsync.com/55112/chapter

WSU Formula SAE
WAZZU RACING TEAM

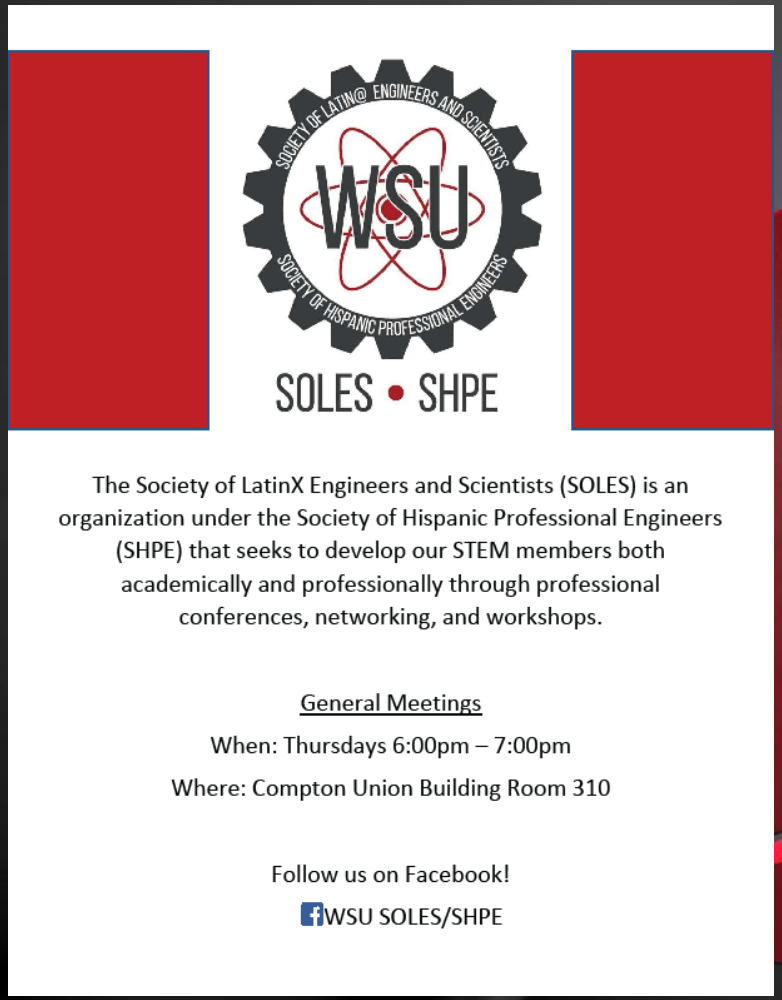
President: Elizabeth Makizuru
Advisor: Kurt Hutchinson
Office/Shop Location: ELB 9
For more information:
https://www.facebook.com/wazzuracing/
https://sae.eecs.wsu.edu/
https://orgsync.com/41186/chapter

NSBE

NATIONAL SOCIETY OF BLACK ENGINEERS

President: Alyssa Hampton
Advisor: Yadira Paredes
E-mail: nsbe.wazzu@wsu.edu

For more information:
https://www.facebook.com/NSBE.Wazzu/
https://orgsync.com/44002/chapter



Society of Latina Engineers & Scientists
SOLES
Society of Hispanic Profession Engineers
SHPE

Advisor: Yadira Paredes

For more information:

https://vcea.wsu.edu/lsamp/soles/

https://www.facebook.com/groups/309640998893/

https://orgsync.com/40594/chapter

swe™

Society of Women Engineers

Washington State University

KSED

Kids' Science and Engineering Day

The Society of Women Engineers is excited to host the 10th annual Kids' Science and Engineering Day!

Building off of the success and momentum from the 2018 KSED, the WSU Society of Women Engineers is now recruiting volunteers to help out with the 2019 KSED event! It was only with the help of over 200+ volunteers, 30+ WSU clubs and several committees that we were able to pull off such an amazing event.

Why should you get involved? KSED provides an opportunity for students grades K-5 to learn basic science principles through fun, hands-on activities. We partner with various organizations across WSU to provide engaging activities to teach science and engineering concepts. This year, KSED will take place in March and be located at the Smith Center for Undergraduate Education (CUE).

Officers

President: Rachel Johnson

Office Hours: Wed 1:10-2pm, Dana 213

Email: rachel.b.johnson@wsu.edu

Bio: This is my third year serving as a SWE officer and I am passionate about promoting diversity within STEM. I am from Santa Clara, CA and I'm majoring in mechanical engineering. I enjoy paddle boarding, hiking and baking during my free time.

For more information:

https://swe.wsu.edu

https://www.facebook.com/swe.wsu.pullman/

https://orgsync.com/40602/chapter

Tau Beta Pi

The Engineering Honor Society

The Washington Beta Chapter at Washington State University

Chapter Information

Chapter Number:	43	Chapter Bylaws:	WA B
TBP District:	14	IRS EIN:	91-6056339
Installation Date:	March 17, 1923	IRS 990 Date:	11/15
Location:	Pullman, WA		
Chapter WEB Site:			

Current Chapter Officers

President	Danelle Rachelle Roan Contact by Email
Vice President	Samantha Rose Bennett Contact by Email
Chief Advisor	Bill Franklin Cofer, Ph.D., P.E. (Term Expires June 30, 2020) Contact by Email
Advisor	Sharon Louise DeChenne (Term Expires June 30, 2019) Contact by Email

Sigma Tau History

The Eta chapter of Sigma Tau was chartered on May 16, 1913 and merged with the Washington Beta chapter of Tau Beta Pi in 1974.

President: Grace Harris
Advisor: TBD

For more information:
https://www.facebook.com/groups/wsutaubetapi/
https://orgsync.com/39402/chapter
https://www.tbp.org/off/DisplayChapterInfo.cfm?ID=195

JOIN ANY VCEA CLUB

-> For more information on any VCEA club, go to https://vcea.wsu.edu/

-> Check out a clubs' RSO page at https://studentinvolvement.wsu.edu/rso/

-> Go see the VCEA CLUB COORDINATOR (THAT'S ME) in Dana 140!!! <-

Internships & Career Services

Sandi Brabb, Director
Dana 138 | 509.335.8726
vcea.internships@wsu.edu

V O I L A N D
Internships & Career Services
Internships | Co-ops | Jobs | Dreams

Services and Resources Provided

Services:

- Resume and Cover Letter Assistance and Review
- Interview Practice : Mock Interviews
- Internship/Job Search Help
- Workshops
- Industry Tours (Thanksgiving & Spring Breaks or By Request)

Resources:

- Career Coaches
- Weekly Internship/Job Opportunity Email
- Digital Displays & Jobs Board (EME 2nd Floor Hall)
- Social Media

Career Events

- Career Fairs –October 1 & February 4
- Industry Tours
- Information Sessions/Tech Talks
- Career Development Workshops
- On-Campus Interviews

Contact Information

Social Media

- Facebook: VCEAInternships
- LinkedIn: Voiland College of Engineering and Architecture
- Twitter: @WSUVoilandPPEL

Website: vcea.wsu.edu/ppel

Email:

vcea.internships@wsu.edu

Phone: 509-335-8726

Career Coaches (Dana 138):

Drop-in Hours

- M thru F 1-2 p.m.
  - ❖ Sandi Brabb
- M thru F 8 a.m. – 5 p.m.
  - ❖ Taylor Shewchuk
  - ❖ Nicole Griggs

MME Peer Mentor

❖ Sabrina Ali, Dana 138

- W 8-9 am
- F 8-9:30 am; 12-1; 3-5
- Sat 11-1:30

Thank you

VCEA.Internships@wsu.edu
Office: Dana 138 | Drop-in: MTWTHF 8-5 & Sat 11-1:30

V O I L A N D

INTERNSHIPS & CAREER SERVICES

Internships | Co-ops | Jobs | Dreams

Student Experience

- Daniel Goto (MSE)
- Maya Nakasone (ME)

Preparing for an Engineering Career

Gene Jones

September 5, 2019

Preparing for an Engineering Career

Your time at WSU is a tremendous opportunity.
Make the most of it.

Preparing for an Engineering Career

Whether your goal is to:

- Be CEO of a Fortune 500 company.
- Win a Nobel Prize.
- Found the next Apple or Google.
- Have a fulfilling career and a happy family life.

- Your degree from WSU MME can enable it.
  People that preceded you have done all those.

Preparing for an Engineering Career

If you don’t have a goal yet, don’t sweat it.
Either way:

- Keep your eyes and ears open for what interests you.
- Make choices that open more doors than they close.

Preparing for an Engineering Career

How do you make those choices?

- Keep your grades up!
- Learn everything you can. It all matters.
- Make the most of your summers.

Preparing for an Engineering Career

Why “Keep your grades up!”?

- When it’s time to look for a job, you will be a resume.
- On a resume, employers look at:
  - gpa
  - Work experience (internships)
  - Clubs/leadership
  - Research/projects
  - Special circumstances

Preparing for an Engineering Career

Why “Learn everything you can.”?

- Your career will take many twists and turns. You never know what will be useful.
- Communication skills matter at any level, manager or engineer. (written, oral, and sketching)
- Engineers that can work at the boundaries between disciplines are valuable.

Preparing for an Engineering Career

Why “Make the most of your summers”?

- Again, the goal is to create the best possible resume at the end of all this.

- Every summer is a chance to:
  - Beef up your resume with relevant job experience (an internship).
  - Learn more about what you do and don’t want to do.
  - Tie your classes to real-world problems.

OR…

Preparing for an Engineering Career

OR…

- Work on a research project for a professor.
- Get some classes out of the way so you have more time during the regular school year.
  - Can be at WSU or at your local community college.
  - This can free up time for clubs, research projects, or just keeping grades up.

Preparing for an Engineering Career

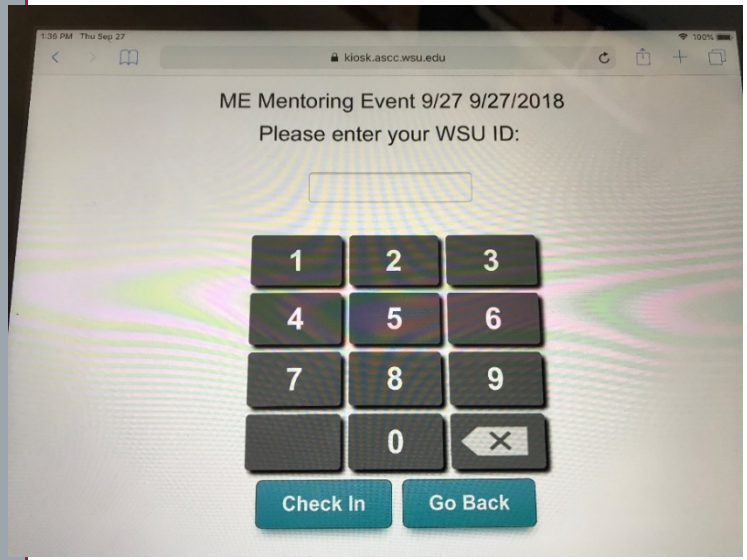
- Yes, this will be hard work.
- Just because it's hard, doesn't mean you've chosen the wrong major. It's hard for everybody.
- When you go look for a job, that hard work will pay off.

Q & A

HOUSE KEEPING

Make sure you check in on the iPad.
Use your Student ID#.

Leading Zero not required



Confirm your name: