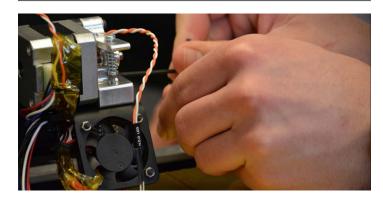


# **MECHANICAL ENGINEERING** (BS)



This program was approved for students entering the university in the Summer 2023—Spring 2024 catalog year. For more information about catalog year, go to Catalog Year Information (http://catalog.louisville.edu/undergraduate/university-wide-unit-specific-policies/catalog-year/).

#### **Bachelor of Science in Mechanical Engineering**

Unit: Speed School of Engineering (https://engineering.louisville.edu) (SS)

Department: Mechanical Engineering (http://engineering.louisville.edu/mechanical/)

Academic Plan Code(s): ME\_\_BMC

## **Program Information**

The Bachelor of Science in Mechanical Engineering degree program is accredited by the Engineering Accreditation Commission (EAC) of ABET, www.abet.org (https://www.abet.org). The Master of Engineering in Mechanical Engineering degree program is accredited by the Engineering Accreditation Commission (EAC) of ABET, www.abet.org (https://www.abet.org).

## **Degree Summary**

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements/) 1		
•	General Education requirements may be satisfied sework required by the degree program)	I
College/School F	Requirements <sup>1</sup>	35
Program/Major I	Requirements	56
Supporting Cour	rses	22
Minimum Total H	Hours	125

Some courses required in this degree program satisfy multiple requirements. To complete the degree in the minimum number of hours listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements and/or Track tabs for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

## **Incoming Student Admission Criteria**

<u>High School Curriculum Requirements:</u> All schools require graduation from an accredited high school and completion of the Kentucky Pre-College Curriculum requirements. In addition, Speed School requires successful completion of the following courses in high school:

- · Calculus or pre-calculus
- · Chemistry

#### Students with ACT / SAT Scores

 ACT composite and math scores of 25 OR SAT combined CR+M score of 1200 and math score of 590. A 3.0 GPA on a 4.0 scale

OR

 ACT composite and math scores of 24 OR SAT combined CR+M score of 1160 and math score of 570. A 3.5 GPA on a 4.0 scale

#### Students without ACT / SAT Scores

- · HS GPA of 3.0 (or better) on a 4.0 scale
- · Comprehensive transcript evaluation
- · Review of Student Resume

## **Transferring to Engineering BS degree programs**

Students with 24 hours or more transferable semester hours will have a minimum college grade point average of 2.8 and at least B-minus grades in each of the following courses: ENGR 181 (or equivalent) and Intro to Chemistry (CHEM 101 or equivalent).

It is recommended students successfully complete Physics I (PHYS 298 or equivalent) before transferring to the J.B. Speed School of Engineering.

#### **General Education Requirements**

Code	Title	Hours
	n Requirements (http://catalog.louisville.edu/ eneral-education-requirements/) <sup>1</sup>	31
_	rses are required by the program and satisfy the Il Education Requirement(s):	
CHEM 201	General Chemistry I - S (http:// catalog.louisville.edu/undergraduate/general- education-requirements/)	
CHEM 207	Introduction to Chemical Analysis I - SL (http://catalog.louisville.edu/undergraduate/generaleducation-requirements/)	
COMM 111	Introduction to Public Speaking - OC (http://catalog.louisville.edu/undergraduate/general-education-requirements/)	
or COMM 11	<b>B</b> usiness and Professional Speaking - OC (http://catalog.louisville.edu/undergraduate/general-education-requirements/)	/



	ENGL 101	Introduction to College Writing - WC (http://catalog.louisville.edu/undergraduate/generaleducation-requirements/)
	ENGL 102	Intermediate College Writing - WC (http:// catalog.louisville.edu/undergraduate/general- education-requirements/)
	ENGR 101	Engineering Analysis I - QR (http:// catalog.louisville.edu/undergraduate/general- education-requirements/)
	PHYS 298	Introductory Mechanics, Heat and Sound - S (http://catalog.louisville.edu/undergraduate/ general-education-requirements/)

All degrees require the completion of the University-wide General Education Program (link provided above). To complete the degree in the **minimum number of hours** listed on the Overview tab, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements.

## **College/School Requirements**

Code	Title	Hours	
Speed School Core			
CHEM 201	General Chemistry I - S (http://catalog.louisville.edu/undergraduate/generaleducation-requirements/) <sup>2</sup>		
CHEM 207	Introduction to Chemical Analysis I - SL (http://catalog.louisville.edu/undergraduate/general-education-requirements/) <sup>2</sup>	1	
COMM 111	Introduction to Public Speaking - OC (http://catalog.louisville.edu/undergraduate/general-education-requirements/)	3	
or COMM 112	Business and Professional Speaking - OC (http:/catalog.louisville.edu/undergraduate/general-education-requirements/)	/	
ENGL 101	Introduction to College Writing - WC (http://catalog.louisville.edu/undergraduate/general-education-requirements/) <sup>2,3</sup>	3	
ENGL 102	Intermediate College Writing - WC (http://catalog.louisville.edu/undergraduate/generaleducation-requirements/) <sup>2,3</sup>	3	
ENGR 101	Engineering Analysis I - QR (http://catalog.louisville.edu/undergraduate/generaleducation-requirements/) <sup>2</sup>	4	
ENGR 102	Engineering Analysis II	4	
ENGR 110	Engineering Methods, Tools, and Practice I	2	
ENGR 111	Engineering Methods, Tools and Practice II	2	
ENGR 201	Engineering Analysis III	4	
ENGR 205	Differential Equations for Engineering	2	
PHYS 298	Introductory Mechanics, Heat and Sound - S (http://catalog.louisville.edu/undergraduate/general-education-requirements/) <sup>2</sup>	4	
Minimum Total Hours			

**Program/Major Requirements** 

r i ogi aiii/	Major Requirements	
Code	Title	Hours
Mechanical Engi	ineering Department	
ME 206	Mechanics II: Dynamics	3
ME 251	Thermodynamics I	3
ME 288	Mechanical Engineering Cooperative Education Seminar	0
ME 289	Mechanical Engineering Cooperative Education	1
ME 310	Thermodynamics II	3
ME 311	Fluid Mechanics I	3
ME 312	Fluid Mechanics Laboratory	1
ME 323	Mechanics of Materials	3
ME 324	Mechanics of Materials Laboratory	1
ME 380	Computer Aided Design	2
ME 381	Introduction to Manufacturing	2
ME 389	Mechanical Engineering Cooperative Education	I 1
ME 414	Mechanical Measurements	3
ME 415	Senior Mechanical Engineering Laboratory	1
ME 422	Machine Design I	3
ME 435	System Dynamics	3
ME 440	Heat Transfer	3
ME 442	Machine Design II	3
ME 489	Mechanical Engineering Cooperative Education	II 1
ME 497	Mechanical Engineering Capstone Design Project CUE (http://catalog.louisville.edu/undergraduate general-education-requirements/)	
ME 4xx/5XX Elec		9
Mechanical Engi	ineering Core	
CHEM 202	General Chemistry II - S (http:// catalog.louisville.edu/undergraduate/general- education-requirements/)	3
PHYS 295	Introductory Laboratories I - SL (http:// catalog.louisville.edu/undergraduate/general- education-requirements/)	1
Minimum Total I	Hours	56
Code	Title	Hours
<b>Supporting Cour</b>	rses	
CSE 120	Introduction to Programming with Python	3
CEE 205	Mechanics I: Statics	3
CHE 253	Materials Science	3
ECE 252	Introduction to Electrical Engineering	3
IE 370	Engineering Economic Analysis	3
PHYS 299	Introductory Electricity, Magnetism and Light	4
ENGR 151	Engineering Graphics Technology	1
ENGR 307	Numerical Methods for Engineering	2
Minimum Total I	Hours	22

A student is allowed to accumulate no more than two D+ or lower grades in ME prefixed courses (including ME approved elective courses) to graduate with a baccalaureate degree.

If a student accumulates a third D+ or lower grade, the student is required to repeat one of those courses to earn a better grade.

## UNIVERSITY OF LOUISVILLE.

A student who accumulates more the one D in a ME course will not be permitted to enter Graduate Studies to pursue the MEng degree program until any courses with D grades more than one are repeated and a better grade is earned.

Candidates for the Bachelor of Science degree must be in good standing (GPA  $\ge$  2.25) and must attain a GPA of at least 2.25 for all courses used to satisfy degree requirements.

Code	Title	Hours
<b>Culminating Under</b>	rgraduate Experience (Graduation requirement)	

Requirement fulfilled by completing:

ME 497 Mechanical Engineering Capstone Design Project - CUE (http://catalog.louisville.edu/undergraduate/

general-education-requirements/)

To complete the degree in the minimum number of hours listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program.

This course is a General Education requirement for the program; see louisville.edu/provost/ger/ (http://www.louisville.edu/provost/ger/) for the listing, by academic year, of AH/D1/D2/SB/SBH Electives which satisfy the University-wide General Education requirements.

Students completing ENGL 105 in lieu of ENGL 101 or ENGL 102 satisfy the General Education and Engineering Fundamentals requirements for Written Communication. However, an additional 3-hr Writing (WR) course or honors Written Communication (WC) course may be needed to satisfy program credit hour requirements.

## Flight Plan

Year 1 Fall		Hours
CHEM 201	General Chemistry I - S (http://catalog.louisville.edu/ undergraduate/general-education-requirements/)	3
CHEM 207	Introduction to Chemical Analysis I - SL (http:// catalog.louisville.edu/undergraduate/general-education- requirements/)	1
ENGL 101	Introduction to College Writing - WC (http:// catalog.louisville.edu/undergraduate/general-education- requirements/)	3
ENGR 101	Engineering Analysis I - QR (http://catalog.louisville.edu/undergraduate/general-education-requirements/)	4
ENGR 110	Engineering Methods, Tools, and Practice I	2
	Cardinal Core Arts & Humanities, Social & Behavioral & Behavioral Sciences Historical Persepective - AH, SB, or	3
	Hours	16
Spring		
CHEM 202	General Chemistry II - S (http://catalog.louisville.edu/ undergraduate/general-education-requirements/)	3
ENGL 102	Intermediate College Writing - WC (http:// catalog.louisville.edu/undergraduate/general-education- requirements/)	3
ENGR 102	Engineering Analysis II	4
ENGR 111	Engineering Methods, Tools and Practice II	2
PHYS 295	Introductory Laboratories I - SL (http:// catalog.louisville.edu/undergraduate/general-education- requirements/)	1
PHYS 298	Introductory Mechanics, Heat and Sound - S (http://catalog.louisville.edu/undergraduate/general-education-requirements/)	4
	Hours	17

Summer		
CEE 205	Mechanics I: Statics	3
ENGR 201	Engineering Analysis III	4
PHYS 299	Introductory Electricity, Magnetism and Light	4
	Hours	11
Year 2		
Fall		
CHE 253	Materials Science	3
ENGR 151	Engineering Graphics Technology	1
ME 206	Mechanics II: Dynamics	3
ME 251	Thermodynamics I	3
ME 288	Mechanical Engineering Cooperative Education Seminar	0
ME 323	Mechanics of Materials	3
ME 324	Mechanics of Materials Laboratory	1
General Education	: Cardinal Core Arts & Humanities, Social & Behavioral	3
Sciences, or Social Diversity - AHD1, S	l & Behavioral Sciences Historical Persepective US BD1, or SBHD1	
	Hours	17
Spring		
ME 289	Mechanical Engineering Cooperative Education I	1
	Hours	1
Summer		
CSE 120	Introduction to Programming with Python	3
COMM 111	Introduction to Public Speaking - OC (http://	3
or COMM 112		
	requirements/)	
	or Business and Professional Speaking - OC (http://	
	catalog.louisville.edu/undergraduate/general- education-requirements/)	
IE 370	Engineering Economic Analysis	3
ME 310	Thermodynamics II	3
WE 010	Hours	12
V2		
Year 3		
Fall	Mechanical Engineering Cooperative Education II	1
	Mechanical Engineering Cooperative Education II	1
Fall ME 389	Mechanical Engineering Cooperative Education II  Hours	1
Fall ME 389 Spring	Hours	1
Fall ME 389  Spring ECE 252	Hours Introduction to Electrical Engineering	1
Fall ME 389  Spring ECE 252 ENGR 205	Hours  Introduction to Electrical Engineering Differential Equations for Engineering	1 3 2
Fall ME 389  Spring ECE 252 ENGR 205 ME 311	Hours  Introduction to Electrical Engineering  Differential Equations for Engineering  Fluid Mechanics I	1 3 2 3
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312	Hours  Introduction to Electrical Engineering  Differential Equations for Engineering  Fluid Mechanics I  Fluid Mechanics Laboratory	1 3 2 3 1
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380	Hours  Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design	1 3 2 3 1 2
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381	Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing	3 2 3 1 2 2
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380	Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing Machine Design I	1 3 2 3 1 2 2 2
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422	Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing	3 2 3 1 2 2
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422  Summer	Hours  Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing Machine Design I Hours	1 3 2 3 1 2 2 2 3 3
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422	Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing Machine Design I Hours  Mechanical Engineering Cooperative Education III	1 3 2 3 1 2 2 2 3 16
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422  Summer ME 489	Hours  Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing Machine Design I Hours	1 3 2 3 1 2 2 2 3 3
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422  Summer ME 489  Year 4	Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing Machine Design I Hours  Mechanical Engineering Cooperative Education III	1 3 2 3 1 2 2 2 3 16
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422  Summer ME 489  Year 4 Fall	Hours  Introduction to Electrical Engineering  Differential Equations for Engineering  Fluid Mechanics I  Fluid Mechanics Laboratory  Computer Aided Design  Introduction to Manufacturing  Machine Design I  Hours  Mechanical Engineering Cooperative Education III  Hours	1 3 2 3 1 2 2 3 16
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422  Summer ME 489  Year 4 Fall ENGR 307	Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing Machine Design I Hours  Mechanical Engineering Cooperative Education III Hours  Numerical Methods for Engineering	1 3 2 3 1 2 2 3 16
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422  Summer ME 489  Year 4 Fall ENGR 307 ME 414	Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing Machine Design I Hours  Mechanical Engineering Cooperative Education III Hours  Numerical Methods for Engineering Mechanical Measurements	1 3 2 3 1 2 2 3 16
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422  Summer ME 489  Year 4 Fall ENGR 307 ME 414 ME 415	Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing Machine Design I Hours  Mechanical Engineering Cooperative Education III Hours  Numerical Methods for Engineering Mechanical Measurements Senior Mechanical Engineering Laboratory	1 3 2 3 1 2 2 3 16 1 1
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422  Summer ME 489  Year 4 Fall ENGR 307 ME 414 ME 415 ME 442	Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing Machine Design I Hours  Mechanical Engineering Cooperative Education III Hours  Numerical Methods for Engineering Mechanical Measurements Senior Mechanical Engineering Laboratory Machine Design II	1 3 2 3 1 2 2 3 16
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422  Summer ME 489  Year 4 Fall ENGR 307 ME 414 ME 415 ME 442 Mechanical Engine	Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing Machine Design I Hours  Mechanical Engineering Cooperative Education III Hours  Numerical Methods for Engineering Mechanical Measurements Senior Mechanical Engineering Laboratory Machine Design II eering Elective I (4xx/5xx)	1 3 2 3 1 2 2 3 16 1 1 2 3 3 3 3
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422  Summer ME 489  Year 4 Fall ENGR 307 ME 414 ME 415 ME 442 Mechanical Engine Mechanical Engine	Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing Machine Design I Hours  Mechanical Engineering Cooperative Education III Hours  Numerical Methods for Engineering Mechanical Measurements Senior Mechanical Engineering Laboratory Machine Design II eering Elective I (4xx/5xx) eering Elective II (4xx/5xx)	1 3 2 3 1 1 2 2 3 16 1 1
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422  Summer ME 489  Year 4 Fall ENGR 307 ME 414 ME 415 ME 442 Mechanical Engine Mechanical Engine General Education	Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing Machine Design I Hours  Mechanical Engineering Cooperative Education III Hours  Numerical Methods for Engineering Mechanical Measurements Senior Mechanical Engineering Laboratory Machine Design II eering Elective I (4xx/5xx)	1 3 2 3 1 2 2 3 16 1 1 2 3 3 3 3
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422  Summer ME 489  Year 4 Fall ENGR 307 ME 414 ME 415 ME 442 Mechanical Engine Mechanical Engine General Education Sciences, or Socia	Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing Machine Design I Hours  Mechanical Engineering Cooperative Education III Hours  Numerical Methods for Engineering Mechanical Measurements Senior Mechanical Engineering Laboratory Machine Design II eering Elective I (4xx/5xx) eering Elective II (4xx/5xx) cardinal Core Arts & Humanities, Social & Behavioral	1 3 2 3 1 1 2 2 3 16 1 1 2 3 3 16 3 3 3 1 1 3 3 1 1 3 3 1 1 3 1 3
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422  Summer ME 489  Year 4 Fall ENGR 307 ME 414 ME 415 ME 442 Mechanical Engine Mechanical Engine General Education Sciences, or Socia	Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing Machine Design I Hours  Mechanical Engineering Cooperative Education III Hours  Numerical Methods for Engineering Mechanical Measurements Senior Mechanical Engineering Laboratory Machine Design II eering Elective I (4xx/5xx) eering Elective II (4xx/5xx) : Cardinal Core Arts & Humanities, Social & Behavioral I & Behavioral Sciences Historical Persepective - AH, SB, or	1 3 2 3 1 2 2 3 16 1 1 3 3 3 3 3 3 3
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422  Summer ME 489  Year 4 Fall ENGR 307 ME 414 ME 415 ME 442 Mechanical Engine Mechanical Engine General Education Sciences, or Socia SBH	Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing Machine Design I Hours  Mechanical Engineering Cooperative Education III Hours  Numerical Methods for Engineering Mechanical Measurements Senior Mechanical Engineering Laboratory Machine Design II eering Elective I (4xx/5xx) eering Elective II (4xx/5xx) : Cardinal Core Arts & Humanities, Social & Behavioral I & Behavioral Sciences Historical Persepective - AH, SB, or	1 3 2 3 1 2 2 3 16 1 1 3 3 3 3 3 3 3
Fall ME 389  Spring ECE 252 ENGR 205 ME 311 ME 312 ME 380 ME 381 ME 422  Summer ME 489  Year 4 Fall ENGR 307 ME 414 ME 415 ME 442 Mechanical Engine Mechanical Engine General Education Sciences, or Socia SBH	Introduction to Electrical Engineering Differential Equations for Engineering Fluid Mechanics I Fluid Mechanics Laboratory Computer Aided Design Introduction to Manufacturing Machine Design I Hours  Mechanical Engineering Cooperative Education III Hours  Numerical Methods for Engineering Mechanical Measurements Senior Mechanical Engineering Laboratory Machine Design II eering Elective I (4xx/5xx) eering Elective II (4xx/5xx) cardinal Core Arts & Humanities, Social & Behavioral I & Behavioral Sciences Historical Persepective - AH, SB, or	1 3 2 3 1 1 2 2 3 16 1 1 2 3 3 1 1 3 3 3 3 3 1 1 3 3 3 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3



ME 497	Mechanical Engineering Capstone Design Project - CUE (http://catalog.louisville.edu/undergraduate/general-education-requirements/)	3
Mechanical Engineering Elective III (4xx/5xx)		3
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Persepective - AH, SB, or SBH		3
	Hours	15
	Minimum Total Hours	125

#### **Degree Audit Report**

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

#### Flight Planner

The Flight Planner tool is available for you to create a personalized Flight Plan to graduation. Advisors have access to review your Flight Planner and can help you adjust it to ensure you remain on track to graduate in a timely manner.

#### To create these reports:

- a. Log into your ULink account.
- b. Click on the Academic Progress tile.
- c. Select the appropriate report.
  - i. To run a Degree Audit report, click on "View my Degree Audit."
  - ii. To create a What-if report, click on "Create a What-if Advisement Report."
  - iii. To run a Flight Planner report, click on "Use My Flight Planner."

Click here to run a Degree Audit report, create a What-if report, or run a Flight Planner report. (https://ulink.louisville.edu)

The Bachelor of Science in Mechanical Engineering (ME BMC) program prepares students to meet the requirements for certification and/or licensure. If you plan to pursue professional licensure or certification you should first determine your state's criteria for examination and licensure to see how/if our program meets those requirements prior to enrollment. We recommend that you also contact your state's licensing board directly to verify that the requirements have not changed recently and to answer any questions especially those regarding additional requirements beyond the degree.

More information about certification or licensure is available at the following website: https://louisville.edu/oapa/licensure-information (https://louisville.edu/oapa/licensure-information/) (you may search by school or by the name of the program then click on 'View Details' to display the information).

For programs with an online option, more information about certification or licensure is available here: https://louisville.edu/online/About-Us?tab=disclosures (https://louisville.edu/online/About-Us/?tab=disclosures).