

# PLAN OF STUDY

(2018)

## MECHANICAL ENGINEERING COURSES<sup>(1)</sup>

### VINCENNES UNIVERSITY

**This program meets the requirements for an AS degree in Engineering Science at Vincennes University**

FIRST YEAR FALL		FIRST YEAR SPRING	
MATH 118 – Calculus w/Anal Geometry 1	5	MATH 119 – Calculus II	5
CHEM 105 – General Chemistry	3	PHYS 205– Physics I	3
CHEM 105L – Chemistry Lab	2	PHYS 205L– Physics I Lab	2
CSCI 126 – Intro to Computer Tools	2	ENGL 102 – English Comp II <sup>(4)</sup> <b>**OR**</b>	3
ENGR 131 – Intro to Engineering	2	ENGL 112 – Rhetoric and Research <sup>(4)</sup>	
ENGL 101 – English Comp I <sup>(2)</sup>	3	Foreign Language II <sup>(3)</sup>	3
Foreign Language I <sup>(3)</sup>	3		
	20		16

SECOND YEAR FALL		SECOND YEAR SPRING	
MATH 220 – Intermediate Calculus	4	MATH 223 – Differential Equations	4
PHYS 206 – Physics II	4	ENGR 206 – Dynamics	3
PHYS 206L– Physics II Lab	1	ENGR 270 – Mechanics of Materials	3
COMM 143 – Speech <sup>(5)</sup>	3	ENGR 270L – Mech. of Materials Lab	1
ENGR 205 – Statics	3	ENGR 218 – Linear Circuits II	3
ENGR 217 – Linear Circuits I	3	ENGR 218L – Electronic Devices & Des. Lab	1
ENGR 217L Elec. Meas. Tech.	1	SOCL 151 – Principles of Sociology <sup>(6)</sup>	3
	19		18

**REMARKS:**

- (1) All courses shown here will transfer in the same way even if the entire plan is not completed.
  - (2) ENGL 101 satisfies Free Elective at UE and Overlay E
  - (3) 2 Semester Sequence of any foreign language
  - (4) Satisfies UE General Education Outcome 1 and Overlay E
  - (5) COMM 143 satisfies COMM elective at UE, Outcome 9
  - (6) Satisfies UE General Education Outcome 9
- Extra credits in Calculus, Chemistry, Physics, Engineering satisfy Technical Elective and ME 197 at UE

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## MECHANICAL ENGINEERING COURSES

### UNIVERSITY OF EVANSVILLE

THIRD YEAR FALL		THIRD YEAR SPRING	
ENGR 352 – Numerical Methods	3	ME 318 – Manufacturing Methods	3
ENGR 366 – Fluid Mechanics	3	ME 345 – Computer Aided Machine Design	3
ENGR 390 – Engineering Mathematics	3	ME 360 – Thermo-Fluids Lab	2
ME 344 – Machine Design	3	ME 297 – Integrated Design II	2
ME 362 – Thermodynamics	4	General Education <sup>(2)</sup>	3
Health Education <sup>(1)</sup>	1	General Education <sup>(2)</sup>	3
	17		16

FOURTH YEAR FALL		FOURTH YEAR SPRING	
ENGR 230	3	ME 397 – Integrated Design III	3
ME 368 – Heat Transfer	3	ME 497 – ME Practice & Design II	3
ME 452 – System Modeling	3	ME 4xx – Elective	3
ME 495 – ME Practice & Design I	3	General Education <sup>(2)</sup>	3
ME 4xx Elective	3	General Education <sup>(2)</sup>	3
	15		15

**REMARKS:**

- (1) Satisfies UE General Education Outcome 10
- (2) The open General Education courses must be chosen to satisfy Outcomes 2, 3, 4, and 5.