

MECHANICAL ENGINEERING PROGRAM: FIRST AND SECOND YEARS EARLY DECISION TRACK

	SEMESTER I	SEMESTER II	SEMESTER III	SEMESTER IV
MATHEMATICS	MATH V1101 (3)	MATH V1102 (3)	MATH V1201 (3)	MATH V1202 (3) and APMA E2101 (3)
PHYSICS (three tracks, choose one)	C1401 (3) —————→ C1402 (3) —————→ C1403 (3) ² C1601 (3.5) —————→ C1602 (3.5) —————→ C2601 (3.5) ² C2801 (4.5) —————→ C2802 (4.5)			
CHEMISTRY	one semester lecture (3–4) C1403 or C1404 or C3045 or C1604	Lab C1500 (3) ²		
ENGLISH COMPOSITION (three tracks, choose one)	C1010 (3) Z1003 (0) —————→ C1010 (3) Z0006 (0) —————→ Z1003 (0) —————→ C1010 (3)			
REQUIRED NONTECHNICAL COURSES			HUMA C1001, COCI C1101, or Global Core (3–4)	HUMA C1002, COCI C1102, or Global Core (3–4)
REQUIRED TECHNICAL COURSES	(3) Student's choice, see list of first- and second-year technical electives (professional-level courses; see page 12) ¹	ENME E3105 (4) Mechanics	ENME E3113 (3) Mechanics of solids	ELEN E1201 (3.5) Intro. to elec. eng. MECE E3408 (3) Graphics and design
COMPUTER SCIENCE	Computer language: W1003 (3) or W1004 (3) any semester			
PHYSICAL EDUCATION	C1001 (1)	C1002 (1)		
GATEWAY LAB	E1102 (4) either semester			

¹ ELEN E1201 (see semester IV) satisfies this requirement. However, MECE E1001 is strongly encouraged.

² May substitute Physics Lab C1493 (3), C1494 (3), or W3081 (2).

³ May substitute BIOL W2001 or higher.

MECHANICAL ENGINEERING: THIRD AND FOURTH YEARS EARLY DECISION TRACK

	SEMESTER V	SEMESTER VI	SEMESTER VII	SEMESTER VIII
REQUIRED COURSES	MECE E3018 (3) Lab I MECE E3100 (3) Fluids I MECE E3301 (3) Thermodynamics	MECE E3028 (3) Lab II MECE E3311 (3) Heat transfer MECE E4608 (3) Manufacturing proc.	MECE E3038 (3) Lab III MECE E3409 (3) Machine design MECE E3601 (3) Classical control sys. MECE E3420 (1) Concept & Design	MECE E3430 (3) MECE E3410 (4) Engineering design
REQUIRED NONTECHNICAL COURSES	HUMA W1121 or W1123 (3)	ECON W1105 (4) and W1155 recitation (0)		
TECHNICAL ELECTIVES		3 points	3 points	6 points
NONTECH ELECTIVES	3 points		3 points	6 points
TOTAL POINTS¹	15	16	16 16	16 15

¹ Students must complete a minimum of 128 points to graduate.

MECHANICAL ENGINEERING PROGRAM: FIRST AND SECOND YEARS STANDARD TRACK

	SEMESTER I	SEMESTER II	SEMESTER III	SEMESTER IV
MATHEMATICS	MATH V1101 (3)	MATH V1102 (3)	MATH V1201 (3)	MATH V1202 (3) and APMA E2101 (3)
PHYSICS (three tracks, choose one)	C1401 (3) ————— C1601 (3.5) ————— C2801 (4.5) —————	C1402 (3) ————— C1602 (3.5) ————— → C2802 (4.5)	→ C1403 (3) ² → C2601 (3.5) ²	
CHEMISTRY	one semester lecture (3–4) C1403 or C1404 or C3045 or C1604	Lab C1500 (3) ¹		
ENGLISH COMPOSITION (three tracks, choose one)	C1010 (3) Z1003 (0) ————— Z0006 (0) —————	→ C1010 (3) → Z1003 (0)	→ C1010 (3)	
REQUIRED NONTECHNICAL COURSES			HUMA C1001, COCI C1101, or Global Core (3–4) HUMA W1121 or W1123 (3)	HUMA C1002, COCI C1102, or Global Core (3–4) ECON W1105 (4) and W1155 recitation (0)
REQUIRED TECHNICAL COURSES	(3) Student's choice, see list of first- and second-year technical electives (professional-level courses; see pages 12–13) ²		ENME-MECE E3105 (4) either semester	
COMPUTER SCIENCE	Computer language: W1003 (3) or W1004 (3) any semester			
PHYSICAL EDUCATION	C1001 (1)	C1002 (1)		
GATEWAY LAB	E1102 (4) either semester			

¹ May substitute Physics Lab C1493 (3), C1494 (3), or W3081 (2).

² ELEN E1201 (see semester VI) satisfies this requirement. However, MECE E1001 is strongly encouraged.

³ May substitute BIOL W2001 or higher.

MECHANICAL ENGINEERING: THIRD AND FOURTH YEARS STANDARD TRACK

	SEMESTER V	SEMESTER VI	SEMESTER VII	SEMESTER VIII
REQUIRED COURSES	MECE E3018 (3) Lab I MECE E3100 (3) Fluids I MECE E3301 (3) Thermodynamics ENME E3105 (4) ¹ Mechanics ENME E3113 (3) Mechanics of solids	MECE E3028 (3) Lab II MECE E3408 (3) Graphics and design MECE E3311 (3) Heat transfer MECE E4608 (3) Manufacturing proc. ELEN E1201 (3,5) Intro. elec. eng.	MECE E3420 (1) Concept & Design MECE E3038 (3) Lab III MECE E3409 (3) Machine design MECE E3601 (3) Classical control sys.	MECE E3430 (3) MECE E3410 (4) Engineering design
TECHNICAL ELECTIVES			6 points	6 points
NONTECH ELECTIVES	3 points			6 points
TOTAL POINTS²	15	15.5	15 16	16 15

¹ Strongly recommended to be taken in Semester III or IV.

² Students must complete 128 points to graduate.