



OSU - College of Engineering, Architecture & Technology

Industrial Engineering & Management 2025-2026

Semester 1, 15 credit hours	Semester 2, 15 credit hours	Semester 3, 18 credit hours	Semester 4, 15 credit hours
HIST 1103 Survey of Am Hist UNIV 1111 First Year Seminar Min C in MATH 1513 56+ on ALEKS CHEM 1414 Gen Chem for Engr ENSC 3313 Min C in MATH 1813 75+ on ALEKS MATH 2144 Calculus I MATH 2153 PHYS 2014 ENSC 2113 IEM 3523 ENGL 1113 Comp I ENGL 1213 ENGL 3323 Fall Only Classes Spring Only Classes	POLS 1113 Am Govt ENGR 1412 Intro to Engr Comp Prgrm IEM 3713 IEM 4783 - Elect Min C in MATH 2144 PHYS 2014 Univ Physics I ENSC 2113 PHYS 2114 Min C in MATH 2144 MATH 2153 Calculus II MATH 2163 MATH 2233 MATH 3013 IEM 3103 IEM 3503 1H 1D	MIN C IN MATH 2144 MIN C IN PHYS 2014 OR 1114 ENSC 2113 Statics IEM 3813 2 ENGR 1322 Engr Design with CAD IEM 3303 IEM 4383 - Elect Min C in PHYS 2014 PHYS 2114 Univ Physics II Min C in MATH 2153 MATH 2163 or 2233 Calc III /Dif Eq Min C in MATH 2153 IEM 3103 Prob & Stats for Engr I IEM 3703 IEM 3813 IEM 4623 IEM 4163 - Elect Min C in UNIV 1111 Sophomore, Junior, or Senior Standing IEM 2903 Intro to Indust Engr IEM 3813 IEM 4413 - Elect	MIN C IN CHEM 1414 OR CHEM 1515 ENSC 3313 Materials Science IEM 3303 IEM 4383 - Elect Min C in ENGR 1412 IEM 3713 Soft Prog Data Anal SPCH 2713 (S) Int Spch Com Min C in MATH 2153 MATH 3013 Lin Algebra IEM 4013 Min C in IEM 3103 IEM 3703 Prob & Stats for Engr II IEM 4103 IEM 4113 IEM 4713 IEM 4203 IEM 4783 - Elect

1. Min 6 hrs (H). Of these, courses should include the Global Cultural Competency (G) and 3 hrs must meet the Diversity (D) req't. The required 3 hrs of (S), are met with SPCH 2713.
2. ENGR 1322 or 1332 (per degree sheet).



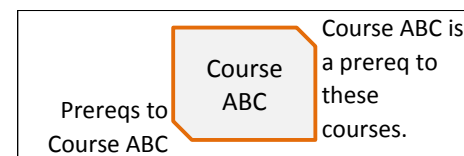
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Semester 5, 15 credit hours	Semester 6, 15 credit hours	Semester 7, 15 credit hours	Semester 8, 15 credit hours
See #3 below for ENSC Elective Options/Names Varies ³ENSC Elect MIN C IN ENGR 1322 MIN C IN ENSC 3313 IEM 3303 Manufact. Processes Junior/Senior Standing IEM 3403 Engr Project Management MIN C IN ENSC 2113 MIN C IN IEM 2903 MIN C IN IEM 3103 IEM 3813 Wrk Desn, Erg, Hum Perform MIN C IN MATH 3013 IEM 4013 Operations Research IEM 4203 IEM 4613 IEM 4623 IEM 4713 IEM 4783 - Elect Fall Only Classes Spring Only Classes	Elective Options/Names Varies ³ENSC Elect ENGL 1113 ENGL 1213 or 3323 Comp 2 or Tech Writing MIN C IN MATH 2153 IEM 3503 Engr Econ MIN C IN MATH 2144 IEM 3523 Engr Cost Info & Control Sys MIN C IN IEM 3703 MIN C IN IEM 4013 IEM 4713 System Sim Modeling IEM 4163 - IEM Elect IEM 4913	See #4 below for IEM Elective Options/Names Varies ⁴IEM Elect MIN C IN IEM 4013 MIN C IN IEM 3703 IEM 4203 Fac & Mat Handl Sys Des IEM 4613 Prod Plan & Ctrl Sys Junior/Senior Standing IEM 4723 Info Sys Des & Dev MIN C IN IEM 3703 IEM 4113 Experimental Design & Analysis	Elective Options/Names Varies ⁴IEM Elect MIN C IN IEM 3103 MIN C IN IEM 4013 IEM 4623 Supply Chain & Logistics MIN C IN IEM 3703 IEM 4103 Quality Ctrl & Rel Anal Terminal Semester IEM Majors Only MIN C IN IEM 3503 MIN C IN IEM 3403 IEM 4913 Senior Design Projects ¹H ¹G

3. ENSC Electives: select from ENSC 2123 (Elementary Dynamics), ENSC 2143 (Strength of Materials), ENSC 2213 (Thermodynamics), ENSC 2613 (Intro to Electrical Science), or ENSC 3233 (Fluid Mechanics).

4. IEM Electives: select from IEM 4163 (Service Systems & Processes), IEM 4383 (Additive Manufacturing: Fundamentals, Processes, Applications, and Implications), IEM 4413 (Industrial Organization Management), IEM 4783 (Applied Statistical Analysis in R for Engineers), IEM 4823 (Human Factors Engineering), IEM 4953 (Industrial Assessment & Improvement), IEM 4990 (Selected Topics in Industrial Engineering & Management - *Departmental Approval Required*), or Any 3000/4000 Level MATH, STAT, CS, or CEAT course with Advisor approval.



123 hours

For Reference Only

Revised 5/12/2025