



OSU - College of Engineering, Architecture & Technology

Industrial Engineering & Management 2021-2022

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

1. If a 'B' or higher is not earned in ENGL 1113 or 1313, ENGL 1213 or 1413 is also required (per Academic Regulation 3.5).
2. Min 6 hrs (H). Of these, courses should include the International Dimension (I) and 3 hrs must meet the Diversity (D) req't. The required 3 hrs of (S), are met with SPCH 2713.
3. 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 #4 below for ENSC Elective Options/Names	See #4 below for ENSC Elective Options/Names	See #5 below for IEM Elective Options/Names	See #5 below for IEM Elective Options/Names
<p style="text-align: center;">Varies 4 ENSC Elect</p> <p>MIN C IN ENGR 1322 MIN C IN ENSC 3313 IEM 3303 Manufact. Processes</p> <p>Junior/Senior Standing IEM 3403 Eng Project Management IEM 4913</p> <p>MIN C IN ENSC 2113 MIN C IN IEM 2903 MIN C IN IEM 3103 IEM 3813 Wrk Desn, Erg Hum Perform</p> <p>MIN C IN MATH 3013 IEM 4013 Operations Research IEM 4613 IEM 4713 IEM 4203 IEM 4783 - Elec</p>	<p style="text-align: center;">Varies 4 ENSC Elect</p> <p>ENGL 1113 ENGL 3323 Tech Writing</p> <p>MIN C IN MATH 2153 IEM 3503 Engr Econ IEM 4163 - IEM Elect IEM 4913</p> <p>MIN C IN MATH 2144 IEM 3523 Engr Cost Info & Control Sys</p> <p>MIN C IN IEM 3703 IEM 4713 Sys Simulation Modeling</p>	<p style="text-align: center;">Varies 5 IEM Elect</p> <p>MIN C IN IEM 4013 MIN C IN IEM 3703 IEM 4203 Fac & Mat Handl Sys Des</p> <p>MIN C IN IEM 4013 IEM 4613 Prod Plan & Ctrl Sys</p> <p>Junior/Senior Standing IEM 4723 Info Sys Des & Dev</p> <p>MIN C IN IEM 3703 IEM 4113 Industrial Experiment</p>	<p style="text-align: center;">Varies 5 IEM Elect</p> <p>MIN C IN IEM 3103 MIN C IN IEM 4013 IEM 4613 (co-req) IEM 4623 Sup Chain & Log</p> <p>MIN C IN IEM 3703 IEM 4103 Quality Cont & Rel Anal</p> <p>Terminal Semester IEM Majors Only MIN C IN IEM 3503 MIN C IN IEM 3403 IEM 4913 Senior Design Projects</p> <p style="text-align: center;">2 H/D/I Gen Ed Requirements</p>

- 4. 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).
- 5. IEM Electives:** select from IEM 4163 (Service Systems & Processes), 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 CEAT course with Advisor approval.

