



Industrial & Systems Engineering Completion Program

Students who complete an AS degree in Engineering University Transfer at Sinclair College may transfer into the Industrial and Systems Engineering B.S. program at Wright State University based on the following conditions. Students should verify their satisfactory academic progress (SAP) requirements with the financial aid office before pursuing classes outside of their AS.

Admission Requirements to the Industrial & Systems Engineering Program at Wright State

1. Cumulative GPA of 2.25
2. Grade "C" or better in, ENG 1101, EGR 1101 or MAT 2270, CHE 1211/1251 or PHY 2201/2207

Additional Information

Students are strongly advised to complete the following Wright State courses through the SOCHE cross-registration program while attending Sinclair:

1. EGR 3350, Technical Communications for Engineers and Computer Scientists

This agreement will expire two years from date of signature.

Thomas Sudkamp 3/9/16

Dr. Thomas Sudkamp Date
Provost and Vice President for Curriculum
and Instruction
Wright State University

David L. Collins 3/21/16

Dr. David L. Collins Date
Provost
Sinclair College

Sinclair Community College

to

Wright State University – Industrial & Systems Engineering

Sinclair Course	Credit Hours	Wright State Course/Requirement
ENG 1101 English Composition I	3	ENG 1100
COM 2211 Effective Public Speaking	3	COM 1010 (OTM course used as Global Traditions substitution)
OTM Arts & Humanities	6	Arts and Humanities Core and History Core
OTM Social & Behavioral Science	3	Social and Behavioral Science Core
PSY 1100 General Psychology	3	PSY 1010
CHE 1211/1251 General Chemistry I	5	CHM 1210/1210L
PHY 2201/2207 General Physics I	5	PHY 2400/2400L
PHY 2202/2208 General Physics II	5	PHY 2410/2410L
MAT 2270 Calculus & Analytic Geometry I	5	MTH 2300
MAT 2280 Calculus & Analytic Geometry II	5	MTH 2310 (Additional Core)
MAT 2330 Diff. Equations & Linear Algebra	5	MTH 2350
Engineering Electives – 12 hours		
EGR 1101 Intro Math for Engineering Apps	4	EGR 1010
Electives Chosen in consultation with Sinclair advisor; not required at Wright State	8	
TOTAL: 60		

Note: Engineering Students at Wright State MUST complete EGR 3350 *Technical Communications for Engineers & Scientists* at Wright State University. It is recommended that Sinclair students take this course through SOCHE cross-registration. Consult your Sinclair advisor for information.

By completing the associate degree and the Ohio Transfer Module at Sinclair, students will have met the requirements for the Wright State Core. However, students will still need to complete any remaining courses required by the department within the Wright State Core. Students must also complete at least two designated Integrated Writing courses in the major at Wright State.

The following additional coursework will be required to complete the Industrial and Systems Engineering program at Wright State University.

Course Number and Title	Credit Hours
EGR 3350 Technical Communications for Engineers and Computer Scientists	3
ISE 1110 Fundamentals of BIE	3
ISE 2211 Statistics for Engineers	3
ISE 3221 Advanced Statistics for Engineers	3
ISE 4400 Engineering Economy	3
ISE 4300 Fundamentals of Human Factors Engineering	3
ISE 3540 Introduction to Computation for ISE	3
ISE 4310 Ergonomics	3
ISE 4320 Human-System Interaction and Usability Engineering	3
ISE 4410 Technology-Bases Ventures	3
ISE 4420 Innovation and Entrepreneurship Seminar Series	1
ISE 4510 Computer Applications in ISE	4
ISE 4711 Optimization Methods	4
ISE 4712 Simulation and Stochastic Models	4
ISE 4810 Production and Service Systems	3
ISE 4820 Supply Chain Analysis and Design	3
ISE 3211 Human Biomechanics I	4
ISE 3212 Human Biomechanics II	3
ISE 3511 Bioelectronics I	4
BME 4410 Biothemodynamics	3
ISE 4910 Industrial and Systems Engineering Design I	3
ISE 4920 Industrial and Systems Engineering Design II	3
Electives – approved by the department	3
Total	72

