



## Computer Engineering Transfer Program

Students who complete an AS degree in Engineering University Transfer at Sinclair College may transfer into the Computer 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 Computer Engineering Program at Wright State

1. Cumulative GPA of 2.25
2. Grade "C" or better in, ENG 1101, CIS 2212, CIS 2217, & MAT 2570

This agreement will expire two years from date of signature. Please note, requirements are subject to change. Contact a Wright State advisor in your major at least once a year to verify current requirements.

*Thomas Sudkamp 7/16/16*

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

*David L. Collins 7.22.16*

Dr. David L. Collins      Date  
Provost  
Sinclair College

**Sinclair Community College**

to

**Wright State University – Computer 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 (General Elective)
OTM Arts & Humanities	3	Arts/Humanities Core
OTM History	3	History Core
OTM Social & Behavioral Science	6	Social and Behavioral Science Core
CHE 1211/1251 General Chemistry I	5	CHM 1210/1210L (Additional Core)
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 (Math Core)
MAT 2280 Calculus & Analytic Geometry II	5	MTH 2310 (Additional Core)
MAT 2330 Diff. Equations & Linear Algebra	5	MTH 2350
<b>Engineering Electives – 16 hours</b>		
MAT 2570 Discrete Mathematics	4	MTH 2570 (or CS 2200)
CIS 2212 Java Software Development I (Sinclair requires CIS 1111 as a prerequisite)	3	CS 1180
CIS 2217 Java Software Development II	3	CS 1181
CIS 1107 Into to OS <b>and</b> CIS 2550 Linux Operating System <b>Note:</b> Both courses are required to equate to Wright State’s CEG 2350 (Sinclair requires CIS 1130 as a prerequisite to CIS 2550)	6	CEG 2350
<b>TOTAL: 64</b>		

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 Computer Engineering program at Wright State University.**

Course Number and Title	Credit Hours
ENG 2140 Research, Technical Writing and Presentation for Scientists & Engineers Or EGR 3350 Technical Communications for Engineers and Computer Scientists	3
CS 1000 Technology and Society	3
CS 3100 Data Structures and Algorithms ( <i>Sinclair's CIS 2207</i> )	3
CEG 3310 Computer Organization	4
CEG 3320 Digital System Design	4
CEG 4330 Microprocessor-Based Embedded Systems	4
CEG 4350 Operating Systems Internals and Design	3
CEG 4980 Team Projects I	3
CEG 4981 Team Projects II	3
EE 2010/L Circuit Analysis I/Lab ( <i>Sinclair's EGR 2201</i> )	4
EE 3210 Linear Systems I	3
EE 3310/L Electronic Devices and Circuits/Lab	4
STT 3600 Applied Statistics I <b>or</b> ISE 2211 Statistics for Engineers	3
Technical Electives approved by the Department of Computer Science and Engineering	9
General Electives (may be completed at Sinclair)	6
<b>Total</b>	<b>59</b>