

# ACADEMIC PATHWAYS



## Sinclair College – Associate of Science in Engineering University Transfer To University of Dayton - Bachelor of Science in Computer Engineering

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	UD CR HOURS	UD COURSE #
ENG	1101	English Composition I	3	ENG 100
ENG	1201	English Composition II	3	ENG 200
COM	2206 or 2211	Interpersonal Communication or Effective Public Speaking <i>(Only UDSA students who complete the AS-EUT program will receive transfer credit for CMM 100.)</i>	3	CMM 320 or CMM 351
ECO ECO PLS PSY SOC	2180 2160 1120 1100 1101	Two social sciences are required for Sinclair’s associate degree. <i>One social science listed is needed for UD as a substitution for SSC 200.</i>	3	SSC 200
HIS PHI  REL	1112 2205 or 2206 1111 or 1112 or 2204 or 2255	Western Civilization II Introduction to Philosophy Introduction to Ethics Eastern Religions Western Religions Great Books: The Bible and Western Culture People and Religion <i>[Sinclair’s Associate degree requires Ohio Transfer Module (2 courses from 2 different categories above). UD Bachelor’s requires 1 from each of the 3 departments.]</i>	3 3  3	HST 103 PHL 103  REL 103
MAT MAT MAT MAT	2270 2280 2290 2310	Calculus I w/ Analytic Geometry Calculus II w/ Analytic Geometry Calculus III w/ Analytic Geometry Elementary Differential Equations	4 4 4 3	MTH 168 MTH 169 MTH 218 MTH 219
CHE	1211	General Chemistry I	3/1	CHM 1GF/L= CHM 123 + CHM 123L
PHY	2201	General Physics I <i>(Lab not required for UD, but is required at Sinclair)</i>	3/1	PHY 206 + PHY 210L
PHY	2202	General Physics II <i>(Lab not required for UD, but is required at Sinclair)</i>	3/1	PHY 207 + PHY 211L <i>(Allowed in place of PHY 232)</i>

# ACADEMIC PATHWAYS



## Sinclair College – Associate of Science in Engineering University Transfer To University of Dayton - Bachelor of Science in Computer Engineering

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	UD CR HOURS	UD COURSE #
MEE	2101	Statics for Engineers	3	EGR 201
MEE	2201	Thermodynamics for Engineers	3	EGR 202
EGR	2201	Circuit Analysis	3/1	ECE 201 + ECE 201L
EGR	2131	Engineering Digital Design	3/1	ECE 215 + ECE 215L
EGR	2261	Algorithms & Programming I	4	CPS 150
	Taken at UD	Algorithms & Programming II	4	CPS 151

- Consult with Sinclair College Advisor for course sequencing.

UDSA Computer Engineering Pathway – 5 Semester Plan for UD				
<b>Semester 5 Summer</b>	<b>CR</b>			
ECE 203	3			
ECE 204	3			
ECE 204L	1			
ECE 215	3			
ECE 215L	1			
<b>TOTAL</b>	<b>11</b>			
<b>Semester 6 Fall</b>	<b>CR</b>		<b>Semester 7 Spring</b>	<b>CR</b>
CPS 350	3		CPS 341	3
ECE 303	3		CPS 356	3
ECE 303L	1		ECE 300	0
ECE 314	3		ECE 304	3
ECE 314L	1		ECE 304L	1
Humanities Elective - Art	3		ECE 334	3
Humanities Elective ADV HST	3		Humanities Elective ADV PHL/REL	3
<b>TOTAL</b>	<b>17</b>		<b>TOTAL</b>	<b>16</b>
<b>Semester 8 Fall</b>	<b>CR</b>		<b>Semester 9 Spring</b>	<b>CR</b>

# ACADEMIC PATHWAYS



**Sinclair College – Associate of Science in Engineering University Transfer  
To  
University of Dayton - Bachelor of Science in Computer Engineering**

<b>UDSA Computer Engineering Pathway – 5 Semester Plan for UD</b>			
CPS 444	3		ECE 340 3
ECE 431L	3		ECE 432L (Capstone) 3
ECE 444	3		ECE 449 3
EGR 103	2		CPS EL 3
TECH EL	3		TECH EL 3
Humanities Elective	3		Humanities Elective ADV PHL/REL 3
<b>TOTAL</b>	<b>17</b>		<b>TOTAL 18</b>

- **Review your DegreeWorks audit with your UD academic advisor to fully understand the remaining degree requirements and specific course options.**