

# ACADEMIC PATHWAYS



## Sinclair College Engineering University Transfer To 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
PLS ECO ECO PSY SOC	1120 2180 2160 1100 1101	Two social sciences are required for Sinclair's associate degree. <i>One social science is needed for UD as a substitution for SSC 200.</i>	3	SSC 200
PHI HIS REL	2205 1112 1111, 1112, 2204, or 2255	Intro to Philosophy Western Civilization II Eastern Religions or Western Religions or Great Books: The Bible and Western Culture, or 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	PHL 103 HST 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>
MEE	2101	Statics for Engineers	3	EGR 201
MEE	2201	Thermodynamics for Engineers	3	EGR 202

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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.**

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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>
Humanities Elective - Art	3		Humanities Elective ADV PHL/REL
Humanities Elective ADV HST	3		
CPS 350	3		CPS 341
ECE 314	3		CPS 356
ECE 314L	1		ECE 334
ECE 303	3		ECE 304
ECE 303L	1		ECE 304L
			ECE 300
<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>
CPS 444	3		Humanities Elective ADV PHL/REL
TECH EL	3		CPS EL
ECE 444	3		TECH EL
ECE 431L	3		ECE 449
EGR 103	2		ECE 432L
Humanities Elective	3		ECE 340
<b>Total</b>	<b>17</b>		<b>Total</b>
			<b>18</b>