

# ACADEMIC PATHWAYS



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

SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	UD COURSE #	UD CREDIT HOUR
ENG	1101	3	English Composition I	ENG 100	3
ENG	1201	3	English Composition II	ENG 200	3
COM	2206 or 2211	3	Interpersonal Communication Effective Public Speaking <i>(Only UDSA students who complete the AS-EUT program will receive transfer credit for CMM 100.)</i>	CMM 320 or CMM 351	3
ECO ECO PLS PSY SOC	2180 2160 1120 1100 1101	3	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>	SSC 200	3
HIS PHI REL	1112 2205 or 2206 1111 or 1112 or 2204 or 2255	3 3 3	Western Civilization II Introduction to Philosophy Introduction to Ethics Eastern Religions Western Religions, Great Books: The Bible & 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>	HST 103 PHL 103 REL 103	3 3 3
MAT MAT MAT MAT	2270 2280 2290 2310	5 5 5 4	Calculus & Analytic Geometry I Calculus & Analytic Geometry II Calculus & Analytic Geometry III Elementary Differential Equations	MTH 168 MTH 169 MTH 218 MTH 219	4 4 4 3
CHE	1211	5	General Chemistry I	CHM 1GF/L= CHM 123 + CHM 123L	3/1
PHY	2201	5	General Physics I <i>(Lab not required for UD, but is required at Sinclair)</i>	PHY 206 + PHY 210L	3/1

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PHY	2202	5	General Physics II <i>(Lab not required for UD, but is required at Sinclair)</i>	PHY 207 + PHY 211L	3/1
MEE	2101	3	Statics for Engineers	EGR 201	3
MEE	2201	3	Thermodynamics for Engineers	EGR 202	3
EGR	2201	4	Circuit Analysis	ECE 201 + ECE 201L	3/1
EGR	2131	4	Engineering Digital Design	ECE 215 + ECE 215L	3/1
EGR	2261	4	Algorithms & Programming I	CPS 150	4
<b>TOTAL</b>		<b>73</b>			<b>66</b>

**Consult with Sinclair College Advisor for course sequencing.**

UDSA Electrical Engineering Pathway – 5 Semester Plan for UD				
<b>Semester 5 Summer</b>		<b>CR</b>		
ECE 203		3		
ECE 204		3		
ECE 204L		1		
<b>TOTAL</b>		<b>7</b>		
<b>Semester 6 Fall</b>		<b>CR</b>	<b>Semester 7 Spring</b>	<b>CR</b>
ECE 303		3	ECE 300	0
ECE 303L		1	ECE 304	3
ECE 314		3	ECE 304L	1
ECE 314L		1	ECE 333	3
ECE 332		3	ECE 334	3
MATH EL		3	ECE 340	3
Humanities Elective		3	Humanities Elective	3
<b>TOTAL</b>		<b>17</b>	<b>TOTAL</b>	<b>16</b>

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<b>Semester 8 Fall</b>	<b>CR</b>		<b>Semester 9 Spring</b>	<b>CR</b>
ECE 401	3		EGR 103	2
ECE 401L	1		ECE 432L (Capstone)	3
ECE 415	3		TECH EL	3
ECE 431L	2		TECH EL	3
TECH EL	3		Humanities Elective	3
TECH EL	3		Humanities Elective	3
Humanities Elective	3			
<b>TOTAL</b>	<b>18</b>		<b>TOTAL</b>	<b>17</b>

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