

# ACADEMIC PATHWAYS



## Sinclair College – Associate of Science in Engineering University Transfer To University of Dayton - Bachelor of Civil 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 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
BIO BIO CHE GLG	1171 1272 1221 1101	<b>Select Two Natural Science Elective Courses from:</b> Principles of Biology I Principles of Biology II General Chemistry II Physical Geology	3/1 3/1	BIO 151+151L BIO 152+152L CHM 1GS+1GSL* GEO 115+115L

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GLG PHY	1201 2202	Historical Geology General Physics II <i>(Lab not required for UD, but is required at Sinclair)</i>		GEO 116+116L PHY 207+211L
PHY	2201	General Physics I <i>(Lab not required for UD, but is required at Sinclair)</i>	3/1	PHY 206 + PHY 210L
MEE	2101	Statics for Engineers	3	EGR 201
MEE	2201	Thermodynamics for Engineers	3	EGR 202
EGR	2201	Circuit Analysis	3/1	EGR 203+EGR 203L
MEE	2301	Strength of Materials for Engineers	3	EGM 303
MEE	2401	Dynamics for Engineers	3	EGM 202
	Taken at UD	Surveying	3	CEE 213

**\* Completion of both CHE 1211 and CHE 1221 are required to earn transfer credit for both CHM 123/123L and 124/124L. Consult with Sinclair College Advisor for course sequencing.**

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<b>UDSA Civil Engineering Pathway 4 Semester Plan for UD</b>			
<b>Semester 5 Fall</b>	<b>CR</b>		<b>Semester 6 Spring</b>
			<b>CR</b>
CEE 221L	2		CEE 311L
CEE 300	0		CEE 312
CEE 313	3		CEE 312L
CEE 313L	1		CEE 333
CEE 316	3		EGR 103
CEE 403	3		MTH 367
GEO 218	3		Humanities Elective- Adv HST
Humanities Elective-Art	3		
<b>TOTAL</b>	<b>18</b>		<b>TOTAL</b>
			<b>17</b>
<b>Semester 7 Fall</b>	<b>CR</b>		<b>Semester 8 Spring</b>
			<b>CR</b>
CEE 400	0		CEE 421
CEE 411	3		CEE 450 (Capstone)
CEE 412	3		HST 343
CEE 424	3		CEE EL
CEE 434	3		CEE EL
CEE 434L	1		Humanities Elective- Adv PHL/REL
Humanities Elective- Adv PHL/REL	3		
<b>TOTAL</b>	<b>16</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.**