

# ACADEMIC PATHWAYS



Sinclair College – Associate of Science in Engineering and Engineering Technology University  
Transfer  
To  
University of Dayton - Bachelor of Civil Engineering

This Academic Pathway is to be used only by students who are formally admitted to the University of Dayton and enrolled in the UD-Sinclair Academy Program. Being a prospective transfer student from Sinclair College is not the same as a UD-Sinclair Academy student. Students interested in taking advantage of this Academic Pathway must apply to the Program through the UD-Sinclair Academy website at <https://www.udayton.edu/academy/index.php>.

SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	UD COURSE #	UD CREDIT HOUR
CHE	1211	5	General Chemistry I	CHM 1GF+ 1GFL+1XX*	3+1+1
COM	2206 or 2211**	3	Interpersonal Communication Effective Public Speaking	CMM 320 or CMM 351	3
EGR	2201	4	Circuit Analysis	EGR 203+203L	4
ENG	1101	3	English Composition I	ENG 100	3
HIS	1112	3	Western Civilization II	HST 103	3
MAT	2270	5	Calculus & Analytic Geometry I	MTH 168+ 1XX	4+1
MAT	2280	5	Calculus & Analytic Geometry II	MTH 169+ 1XX	4+1
MAT	2310	4	Elementary Differential Equations	MTH 219+ 2XX	3+1
MEE	2101	3	Statics for Engineers	EGR 201	3
MEE	2201	3	Thermodynamics for Engineers	EGR 202	3
MEE	2301	3	Strength of Materials for Engineers	EGM 303	3
MEE	2401	3	Dynamics for Engineers	EGM 202	3
PHI	2205 or 2206	3	Introduction to Philosophy Introduction to Ethics	PHL 103 or PHL 1XC	3
PHY	2201	5	General Physics I	PHY 206+210L +2XX	3+1+1
PHY	2202	5	General Physics II	PHY 207+211L +2XX	3+1+1
ECO ECO	2180, 2160,	6	<b>Select Two Social Science Courses from:</b> Principles of Microeconomics Principles of Macroeconomics	ECO 203, ECO 204,	6

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PLS PSY SOC	1120, 1100, or 1101***		American Federal Government General Psychology Introduction to Sociology	POL 201, PSY 101, or SOC 101	
<b>TOTAL</b>		<b>63</b>			<b>63</b>

- **\*CHE 1211 will substitute for CHM 123+123L requirement for Civil Engineering Program.**
- **\*\*COM 2206 or 2211 will meet the communication requirement at the University of Dayton with the completion of the Associate Degree. This exception applies to only UD-Sinclair Academy students. Consult with your UD advisor if you are eligible for this exception.**
- **\*\*\*ECO 2160, ECO 2180, PLS 1120, PSY 1100, or SOC 1101 will meet the social science integrated course requirement at the University of Dayton with the completion of 30 credit hours.**
- **PHL 1XC at UD will substitute for PHL 103 requirement. This exception applies to only UD-Sinclair Academy students. Consult with your UD advisor if you are eligible for this exception.**
- **133 hours minimum are required for a CEE (Bachelor of Civil Engineering) degree at UD. Required GPA at the time of transfer is 3.0.**

**Students must complete the following additional coursework at Sinclair in order to graduate in a timely manner from UD:**

SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	UD COURSE #	UD CREDIT HOUR
CAT	1301	3	Introduction to Civil/Construction CAD	CEE 221L+2XX	2+1
ENG	1201	3	English Composition II	ENG 200	3
MAT	2290	5	Calculus & Analytic Geometry III	MTH 218+2XX	4+1
REL	1111, 1112, 2204, or 2255	3	Eastern Religions Western Religions Great Books: The Bible & Western Culture People and Religion	REL 1XC, REL 103, REL 1XC, or REL 1XC	3

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BIO	1171,	4	<b>Select One Natural Science Elective Course From:</b> Principles of Biology I Principles of Biology II General Chemistry II Physical Geology Historical Geology	BIO 151+151L,	4
BIO	1272,	4		BIO 151+152L,	4
CHM	1221,	4		CHM 1GS+1GSL <sup>1</sup> ,	4
GLG	1101, or	4		GEO 115+115L, or	4
GLG	1201	4		GEO 116+116L	4
<b>TOTAL</b>		<b>18</b>			<b>18</b>

- <sup>1</sup>Completion of both CHE 1211 and CHE 1221 will equate to CHM 123/123L and 124/124L.
- REL 1XC at UD will substitute for REL 103 requirement. This exception applies to only UD-Sinclair Academy students. Consult with your UD advisor if you are eligible for this exception.

It is recommended that UDSA students start at UD (semester 5) in the Fall term.

UDSA Civil Engineering Pathway 4 Semester Plan for UD				
Semester 5 Fall	CR		Semester 6 Spring	CR
EGR 103	2		CEE 311L	2
CEE 213	3		CEE 312	3
CEE 300	0		CEE 312L	1
CEE 313	3		CEE 333	3
CEE 313L	1		GEO 218	3
CEE 316	3		MTH 367	3
CEE 403	3			
Approved CAP Course	3			
<b>TOTAL</b>	<b>18</b>		<b>TOTAL</b>	<b>15</b>
Semester 7 Fall	CR		Semester 8 Spring	CR
CEE 400	0		CEE 421	3

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CEE 411	3		CEE 450 (Capstone)	3
CEE 412	3		HST 343	3
CEE 424	3		CEE EL	3
CEE 434	3		CEE EL	3
CEE 434L	1		Approved CAP Course	3
Approved CAP Course	3			
<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>18</b>

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