

ACADEMIC PATHWAYS



**Sinclair College – Associate of Science in Engineering and Engineering Technology
University Transfer**

**To
University of Dayton - Bachelor of Chemical 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
CHE	1221	5	General Chemistry II	CHM 1GS+1GSL+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	CME 211	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 PLS	2180, 2160, 1120,	6	Select Two Social Science Courses from: Principles of Microeconomics Principles of Macroeconomics American Federal Government	ECO 203, ECO 204, POL 201,	6

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SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	UD COURSE #	UD CREDIT HOUR
PSY SOC	1100, or 1101***		General Psychology Introduction to Sociology	PSY 101, or SOC 101	
TOTAL		62			62

- ***Completion of both CHE 1211 and CHE 1221 are required for transfer credit. Consult with Sinclair College Advisor for course sequencing.**
- ****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.**
- **137 hours minimum are required for a CME (Bachelor of Chemical Engineering) degree at UD. Required GPA at the time of the 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
CHE	2111	5	Organic Chemistry I	CHM 313+ 313L+2XX	3+1+1
CHE	2121	5	Organic Chemistry II	CHM 314+ 314L+2XX	3+1+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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SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	UD COURSE #	UD CREDIT HOUR
TOTAL		21			21

- 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.

UDSA Chemical Engineering Pathway – 5 Semester Plan for UD					
Semester 5 Fall	CR		Semester 6 Spring	CR	
CME 203	3		CME 311	3	
CME 281	3		CME 324	3	
EGR 103	2		CME 381	3	
CHM/BIO EL	3		EGR/SCI EL	3	
EGR/SCI EL	3		Approved CAP Course	3	
Approved CAP Course	3				
TOTAL	17		TOTAL	15	
Semester 7 Summer	CR				
CME 306	3				
CME 365	3				
TOTAL	6				
Semester 8 Fall	CR		Semester 9 Spring	CR	
CME 408	1		CME 325	3	
CME 430	3		CME 326L	2	
CME 452	3		CME 408	0	
CME 465	3		CME 431	3	
CME 466L (Capstone)	2		CME 453L	2	

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UDSA Chemical Engineering Pathway – 5 Semester Plan for UD				
Approved CAP Course	3		CME EL	3
			Approved CAP Course	3
TOTAL	15		TOTAL	16

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