

ACADEMIC PATHWAYS



Sinclair College – Associate of Science in Engineering University Transfer To University of Dayton - Bachelor of Chemical 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	1112 2205 or 2206	3 3	Western Civilization II Introduction to Philosophy Introduction to Ethics	HST 103 PHL 103	3 3
REL	1111 or 1112 or 2204 or 2255	3	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>	REL 103	3
MAT	2270	5	Calculus & Analytic Geometry I	MTH 168	4
MAT	2280	5	Calculus & Analytic Geometry II	MTH 169	4
MAT	2290	5	Calculus & Analytic Geometry III	MTH 218	4
MAT	2310	4	Elementary Differential Equations	MTH 219	3
CHE	1211	5	General Chemistry I	*CHM 1GF/L= CHM 123 + CHM 123L	3/1
CHE	1221	5	General Chemistry II	*CHM 1GS/L= CHM 124 +	3/1

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				CHM 124L	
CHE	2111	5	Organic Chemistry I	CHM 313 + CHM 313L	3/1
CHE	2121	5	Organic Chemistry II	CHM 314 + CHM 314L	3/1
PHY	2201	5	General Physics I/Lab <i>(Lab not required for UD, but is required at Sinclair)</i>	PHY 206 + PHY 210L	3/1
MEE	2101	3	Statics for Engineers	EGR 201	3
MEE	2201	3	Thermodynamics for Engineers	CME 211	3
EGR	2201	4	Circuit Analysis	EGR 203 + EGR 203L	3/1
	Taken at UD SP/FA		Material and Energy Balances	CME 203	3
	Taken at UD SP/SU		Chemical Engineering Computations	CME 281	3
TOTAL		75			72

- *Completion of both CHE 1211 and CHE 1221 are required for transfer credit. Consult with Sinclair College Advisor for course sequencing.

UDSA Chemical Engineering Pathway – 4 Semester Plan for UD				
Semester 5 Fall	CR		Semester 6 Spring	CR
CME 311	3		CME 306	3
CME 324	3		CME 325	3
CME 381	3		CME 326L	2
EGR 103	2		CME 365	3
PHY 207	3		Humanities Elective- Adv HST	3
Humanities Elective-Art	3		Humanities Elective	3
TOTAL	17		TOTAL	17

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UDSA Chemical Engineering Pathway – 4 Semester Plan for UD				
Semester 7 Fall	CR		Semester 8 Spring	CR
CME 408	0		CME 408	1
CME 430	3		CME 431	3
CME 452	3		CME 453L	2
CME 465	3		CME EL	3
CME 466L (Capstone)	2		EGR/SCI EL	3
CHM/BIO EL	3		EGR/SCI EL	3
Humanities Elective- Adv PHL/REL	3		Humanities Elective- Adv PHL/REL	3
TOTAL	17		TOTAL	18

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