

ACADEMIC PATHWAYS



Sinclair College – Associate of Science in Engineering University Transfer To University of Dayton - Bachelor of Chemical 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
CHE	1221	General Chemistry II	3/1	*CHM 1GS/L= CHM 124 + CHM 124L
CHE	2111	Organic Chemistry I	3/1	CHM 313 + CHM 313L

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CHE	2121	Organic Chemistry II	3/1	CHM 314 + CHM 314L
PHY	2201	General Physics I/Lab <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	CME 211
EGR	2201	Circuit Analysis	3/1	EGR 203 + EGR 203L
	Taken at UD SP/FA	Material and Energy Balances	3	CME 203
	Taken at UD SP/SU	Chemical Engineering Computations	3	CME 281

- ***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
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

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UDSA Chemical Engineering Pathway – 4 Semester Plan for UD				
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.**