

ACADEMIC PATHWAYS



Sinclair College Engineering University Transfer To 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 or 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
PLS ECO ECO PSY SOC	1120 2180 2160 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
PHI HIS REL	2205 1112 1111, 1112, or 2204, or 2255	Intro to Philosophy Western Civilization II Eastern Religions, or Western Religions, or Great Books: The Bible and Western Culture, or 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	PHL 103 HST 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
CHE	2121	Organic Chemistry II	3/1	CHM 314 + CHM 314L

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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.

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UDSA Chemical Engineering Pathway – 4 Semester Plan for UD				
Semester 5 Fall	CR		Semester 6 Spring	CR
Humanities Elective-Art	3		Humanities Elective- Adv HST	3
EGR 103	2		Humanities Elective	3
CME 311	3		CME 306	3
CME 324	3		CME 365	3
CME 381	3		CME 325	3
PHY 207	3		CME 326L	2
Total	17		Total	17
Semester 7 Fall	CR		Semester 8 Spring	CR
Humanities Elective- Adv PHL/REL	3		Humanities Elective- Adv PHL/REL	3
CME 430	3		CME 431	3
CME 465	3		CME 453L	2
CME 466L	2		CME EL	3
CME 452	3		CME 408	1
CME 408	0		EGR/SCI EL	3
CHM/BIO EL	3		EGR/SCI EL	3
Total	17		Total	18