

# ACADEMIC PATHWAYS

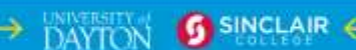


## Sinclair College Engineering University Transfer To Bachelor of Chemical Engineering

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 2XX CMM 351
PLS ECO ECO PSY SOC	1120 2180 2160 1100 1101	2 social sciences are required for SC associates. 1 social science <i>listed is needed for UD as equivalent to SSC 200.</i>	3	SSC 200
PHI HIS REL	2205 1111 or 1112 1111 or 1112	Intro to Philosophy Western Civilization I or II Eastern Rel or Western Rel <i>SC Associates degree requires Ohio Transfer Module (2 courses from 2 different categories above). UD Bachelors requires 1 from each of the 3 depts</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	1211/1251	General Chemistry I/Lab	3/1	*CHM 1GF/L= CHM 123/L
CHE	1221/1261	General Chemistry II/Lab	3/1	*CHM 1GS/L= CHM 124/L
CHE	2111	Organic Chemistry I/Lab	3/1	CHM 313/L
CHE	2121	Organic Chemistry II/Lab	3/1	CHM 314/L
PHY	2201/2207	General Physics I/Lab <i>(Lab not required for UD but is required at SC)</i>	3/1	PHY 206/210L
MEE	2101	Statics for Engineers	3	EGR 201
MEE	2201	Thermodynamics for Engineers	3	CME 211
EGR	2201	Circuit Analysis/Lab	3/1	EGR 203/L
	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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To

Bachelor of Chemical Engineering

UDSA Chemical Engineering Pathway – 4 semester plan for UD

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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
<b>Total</b>		17	<b>Total</b>		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
<b>Total</b>		17	<b>Total</b>		18