

ACADEMIC PATHWAYS



Sinclair College – Associate of Science in Engineering University Transfer To University of Dayton - Bachelor of Mechanical 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 REL	1112 2205 or 2206 1111 or 1112 or 2204 or 2255	3 3 3	Western Civilization II Introduction to Philosophy Introduction to Ethics 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>	HST 103 PHL 103 REL 103	3 3 3
MAT MAT MAT MAT	2270 2280 2290 2310	5 5 5 4	Calculus & Analytic Geometry I Calculus & Analytic Geometry II Calculus & Analytic Geometry III Elementary Differential Equations	MTH 168 MTH 169 MTH 218 MTH 219	4 4 4 3
CHE	1211	5	General Chemistry I	CHM 1GF/L= CHM 123 + CHM 123L	3/1
PHY	2201	5	General Physics I <i>(Lab not required for UD, but is required at Sinclair)</i>	PHY 206 + PHY 210L	3/1
PHY	2202	5	General Physics II	PHY 207 + PHY 211L	3/1

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			<i>(Lab not required for UD, but is required at Sinclair)</i>		
MEE	2101	3	Statics for Engineers	EGR 201	3
MEE	2201	3	Thermodynamics for Engineers	EGR 202	3
EGR	2201	4	Circuit Analysis	EGR 203 + EGR 203L	3/1
MEE	2301	3	Strength of Materials for Engineers	EGM 303	3
MEE	2401	3	Dynamics for Engineers	EGM 202	3
MET	1301	3	SolidWorks Basics	MEE 104L	2
TOTAL		74			63

Consult with Sinclair College Advisor for course sequencing.

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UDSA Mechanical Engineering Pathway – 4 Semester Plan for UD				
Semester 5 Fall	CR		Semester 6 Spring	CR
EGR 103	2		MEE 341	3
MEE 300	0		MEE 344 or 478	3
MEE 308	3		MEE 410	3
MEE 312	3		MEE 410L	1
MEE 312L	1		Humanities Elective – Adv HST	3
MEE 314	3		OPEN EL	3
MEE 321	3			
Humanities Elective - Art	3			
TOTAL	18		TOTAL	16
Semester 7 Fall	CR		Semester 8 Spring	CR
MEE 427	3		MEE 400	1
MEE 431L	2		MEE 432L (Capstone)	3
MEE 439	4		MEE 460	3
MEE EL	3		MEE EL	3
MTH/SCI EL	3		Humanities Elective – Adv PHL/REL	3
Humanities Elective – Adv PHL/REL	3		OPEN EL	3
TOTAL	18		TOTAL	16

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