

ACADEMIC PATHWAYS



Sinclair College – Associate of Science in Engineering University Transfer To University of Dayton - Bachelor of Civil 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 |
| BIO BIO CHE | 1171 1272 1221 | 4-5 4-5 | Select Two Natural Science Elective Courses from: Principles of Biology I Principles of Biology II General Chemistry II | BIO 151+151L BIO 152+152L | 3/1 3/1 |

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|-------------------|----------------------|----------------------|---|--|----------------|
| GLG GLG PHY | 1101 1201 2202 | | Physical Geology Historical Geology General Physics II <i>(Lab not required for UD, but is required at Sinclair)</i> | CHM 1GS+1GSL* GEO 115+115L GEO 116+116L PHY 207+211L | |
| PHY | 2201 | 5 | General Physics I <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 | 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 |
| | Taken at UD | | Surveying | CEE 213 | 3 |
| TOTAL | | 70-71 | | | 63 |

* Completion of both CHE 1211 and CHE 1221 are required to earn transfer credit for both CHM 123/123L and 124/124L. Consult with Sinclair College Advisor for course sequencing.

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| UDSA Civil Engineering Pathway 4 Semester Plan for UD | | | |
|--|-----------|--|-----------|
| Semester 5 Fall | CR | Semester 6 Spring | CR |
| CEE 221L | 2 | CEE 311L | 2 |
| CEE 300 | 0 | CEE 312 | 3 |
| CEE 313 | 3 | CEE 312L | 1 |
| CEE 313L | 1 | CEE 333 | 3 |
| CEE 316 | 3 | EGR 103 | 2 |
| CEE 403 | 3 | MTH 367 | 3 |
| GEO 218 | 3 | Humanities Elective- Adv HST | 3 |
| Humanities Elective-Art | 3 | | |
| TOTAL | 18 | TOTAL | 17 |
| Semester 7 Fall | CR | Semester 8 Spring | CR |
| CEE 400 | 0 | CEE 421 | 2 |
| CEE 411 | 3 | CEE 450 (Capstone) | 3 |
| CEE 412 | 3 | HST 343 | 3 |
| CEE 424 | 3 | CEE EL | 3 |
| CEE 434 | 3 | CEE EL | 3 |
| CEE 434L | 1 | Humanities Elective- Adv PHL/REL | 3 |
| Humanities Elective- Adv PHL/REL | 3 | | |
| TOTAL | 16 | TOTAL | 17 |

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