

| PREREQUISITES: students must earn a C- or better in any course taken that is a prerequisite for a follow-on CEE course. | | | | COURSE | COURSE NAME | COURSE IS PREREQUISITE FOR OTHER COURSES AS LISTED | | | | | | |
|---|-----------|-----------|---------------------|------------------|--|--|-----------------|------------------------------------|----------|----------|-------------|----------|
| Disclaimer: Information is believed to be accurate regarding courses that are not CEE Designated. This information is provided to aid in your academic planning It is the students' responsibility to verify pre-requisites. | | | | | | | | | | | | |
| | | | none | Chem 1035 | General Chemistry | CEE 3104 | CEE 3684 | | | | | |
| | | | (Co-req: Chem 1035) | Chem 1045 | General Chemistry Lab | CEE 3104 | CEE 3684 | | | | | |
| | | | none | ENGL 1105 | First-Year Writing | ENGL 1106 | | | | | | |
| | | | none | ENGE 1215 | Foundations of Engineering | ENGE 1216 | | | | | | |
| | | | MATH 1226 | MATH 2114 | Linear Algebra | MATH 2214 | | | | | | |
| | | | none | MATH 1225 | Calculus of a Single Variable | MATH 1226 | PHYS 2305 | | | | | |
| | | | MATH 1225 | PHYS 2305 | Foundations of Physics I | CEE 3104 | PHYS 2306 | | | | | |
| | | | ENGE 1215 (C-) | ENGE 1216 | Foundations of Engineering | CEE 2814 | | | | | | |
| | | | ENGL 1105 | ENGL 1106 | First-Year Writing | ENGL 3764 | | | | | | |
| | | | MATH 1225 (C-) | MATH 1226 | Calculus of a Single Variable | MATH 2204 | MATH 2114 | MATH 2214 | CEE 2814 | CEE 3104 | ESM 2104 | |
| | | | MATH 1226 | PHYS 2305 | PHYS 2306 | Foundation of Physics I | | | | | ^ PHYS 2306 | |
| | | | MATH 1226 | MATH 2204 | MATH 2204 | Intro to Multi-Variable Calculus | ESM 2204 | | | | | |
| | | | MATH 1226 | ESM 2104 | Statics | ESM 2204 | CEE 3304 | | | | | |
| | | | none | GEOS 2104 | Elements of Geology | CEE 3514 | CEE 3684 | | | | | |
| | | | none | CEE 2824 | Civil Engr Drawings and CAD | CEE 3274 | | | | | | |
| | | | MATH 2204 | ESM 2104 | ESM 2204 | Mechanics of Deformable Bodies | CEE 3404 | CEE 3514 | CEE 3684 | CEE 4610 | | |
| | | | none | ISE 2014 | Engineering Economy | | | | | | | |
| | | | MATH 2114 | MATH 1226 | MATH 2214 | Differential Equations | | | | | | |
| | | | ENGL 1106 | ENGL 3764 | Technical Writing | | | | | | | |
| Reminder: All pre-requisites for CEE courses must be met with a grade of C- or better | | | | | | | | | | | | |
| | | | none | CEE 2804 | Intro to CEE | CEE 3304 | CEE 4804 | | | | | |
| | | | (Co-req: CEE 2834) | MATH 1226 | ENGE 1216 | CEE 3274 | CEE 3684 | | | | | |
| | | | CE Majors Only | CEE 2834 | CE Drawings & Virtual Modeling | CEE 3274 | | | | | | |
| | | | JR Standing | CEE 3014 | Construction Management | CEE 4014 | CEE 4024 | CEE 4074 | | | | |
| | | | CHEM 1035 | CHEM 1045 | MATH 1226 | PHYS 2305 | CEE 3104 | Intro to Environmental Engr | CEE 4114 | CEE 4144 | CEE 4174 | CEE 4104 |
| | | | CEE 2814 | CEE 2834 | CEE 3274 | Intro to Land Development | CEE 4254 | CEE 4264 | CEE 4274 | CEE 4284 | | |
| | | | CEE 2804 | ESM 2104 | CEE 3304 | Fluid Mechanics for CEE | CEE 3314 | CEE 4304 | CEE 4314 | CEE 4384 | | |
| | | | CEE 3304 | CEE 3314 | Water Resources Engr | CEE 4324 | CEE 4334 | | | | | |
| | | | ESM 2204 | CEE 3404 | Theory of Structures | CEE 3424 | CEE 3434 | | | | | |
| | | | CEE 3684 | CEE 3404 | CEE 3424 | Reinforced Concrete Structures I | CEE 4454 | | | | | |
| | | | CEE 3684 | CEE 3404 | CEE 3434 | Design of Steel Structures I | | | | | | |
| | | | GEOS 2104 | ESM 2204 | CEE 3514 | Intro to Geotech Engr | CEE 4514 | CEE 4534 | CEE 4544 | CEE 4564 | | |
| | | | JR Standing | CEE 3604 | Intro to Transportation Engr | CEE 4604 | CEE 4624 | CEE 4654 | CEE 4684 | CEE 4674 | | |
| CHEM 1035 | CHEM 1045 | GEOS 2104 | ESM 2204 | CEE 2814 | CEE 3684 | CE Materials | CEE 3424 | CEE 3434 | CEE 4454 | CEE 4614 | CEE 4634 | CEE 4664 |
| | | | JR Standing | CEE 3804 | Computer Applications in CEE | | | | | | | |
| | | | CEE 3804 | CEE 3814 | Analytics in CEE | | | | | | | |
| | | | check w/ program | CEE 3954 | Study Abroad | | | | | | | |
| | | | CEE 3014 | CEE 4014 | Estimating, Production, & Cost Engr | | | | | | | |
| | | | CEE 3014 | CEE 4024 | Construction Control Techniques | | | | | | | |

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|---|--|--------------|---------------|--------------|---|--|--|--|--|--|--|
| | | | CEE 3804 | CEE 4034 | Smart Sustainable Infrastructure | | | | | | |
| | | | CEE 3014 | CEE 4074 | Means & Methods | | | | | | |
| | | | CEE 3104 | CEE 4104 | Water & Wastewater Treatment Design | | | | | | |
| | | | CEE 3104 | CEE 4114 | Fund of Public Health Engr | | | | | | |
| | | | | CEE 4134 | Sustainable Systems | | | | | | |
| | | | CEE 3104 | CEE 4144 | Air Resources Engr | | | | | | |
| | | | CEE 3104 | CEE 4174 | Solid & Hazardous Waste Management | | | | | | |
| | | SR Standing | CEE 3274 | CEE 4254 | Municipal Engineering | | | | | | |
| | | SR Standing | CEE 3274 | CEE 4264 | Sustainable Land Development | | | | | | |
| | | SR Standing | CEE 3274 | CEE 4274 | Land Development Design | | | | | | |
| | | co: CEE 4274 | CEE 3274 | CEE 4284 | Advanced Land Development Design | | | | | | |
| | | | CEE 3304 | CEE 4304 | Hydrology | | | | | | |
| | | | CEE 3304 | CEE 4314 | Groundwater Resources | | | | | | |
| | | | CEE3314 | CEE 4324 | Open Channel Flow | | | | | | |
| | | | CEE 3314 | CEE 4334 | Hydraulic Structures | | | | | | |
| | | | | CEE 4344 | Water Resources Planning | | | | | | |
| | | | CEE 3304 | CEE 4384 | Introduction to Coastal Engineering | | | | | | |
| | | | | CEE 4394 | Urban Water Sustainability | | | | | | |
| | | | CEE 3404 | CEE 4404 | Intermediate Analysis of Structures | | | | | | |
| | | CEE 3684 | CEE 3424 | CEE 4454 | Masonry Structural Design | | | | | | |
| | | | CEE 3514 | CEE 4514 | Methods in Geotechnical Engr | | | | | | |
| | | | CEE 3514 | CEE 4534 | Earth Pressures & Foundation Structures | | | | | | |
| | | | CEE 3514 | CEE 4544 | Design of Earth Structures | | | | | | |
| | | | SR Standing | CEE 4554 | Natural Disaster Mitigation & Recovery | | | | | | |
| | | | CEE 3514 | CEE 4564 | Intro to Coastal & Marine Geotechnics | | | | | | |
| | | | CEE 3604 | CEE 4604 | Traffic Engineering | | | | | | |
| | | ESM 2204 | OR AOE 2024/P | CEE 4610 | Mechanics of Composite Materials | | | | | | |
| | | | CEE 3684 | CEE 4614 | Advanced Structural Concrete | | | | | | |
| | | | CEE 3604 | CEE 4624 | Planning Transportation Facilities | | | | | | |
| | | | CEE 3684 | CEE 4634 | Infrastructure Condition Assessment | | | | | | |
| | | | CEE 3604 | CEE 4654 | Geometric Design of Highways | | | | | | |
| | | | CEE 3684 | CEE 4664 | Pavement Design | | | | | | |
| | | | CEE 3604 | CEE 4674 | Airport Planning & Design | | | | | | |
| | | | CEE 3604 | CEE 4684 | Transportation Safety | | | | | | |
| | | | CEE 3604 | CEE 4694 | Freight Operations | | | | | | |
| | | JR Standing | CEE2804 | co: CEE 3304 | CEE 4804 | Professional & Legal Issues in Engr | | | | | |
| | | ESM 2204 | CEE 3684 | CEE 4824 | Introduction to Forensic Engineering | | | | | | |
| | | | CEE 3814 | CEE 4834 | Cyber-Phys and Remote Sensing | | | | | | |