

GEOTECHNICAL ENGINEERING - UNDERGRADUATE MINOR

This minor builds upon existing B.S. degree programs at NMSU in analysis, construction, and design of geotechnical components of civil infrastructure.

| Prefix | Title | Credits |
|-----------------------------------------------------------------------------------|---------------------------------------------------|--------------|
| Core courses (3 courses) | | |
| C E 301 | Mechanics of Materials | 3 |
| or E T 310 | Applied Strength of Materials | |
| C E 357 | Soil Mechanics | 3 |
| or E T 354 | Soil and Foundation Technology | |
| C E 457 | Foundation Design | 3 |
| Elective courses (3 courses) ¹ | | 9-10 |
| To be selected from the following list of courses (numbered 300-499) ² | | |
| <i>Upper level courses in Civil Engineering</i> | | |
| C E 452 | Geohydrology | |
| C E 470 | Design of Municipal and Hazardous Waste Landfills | |
| C E 479 | Pavement Analysis and Design | |
| C E 485 | Design of Earth Dams | |
| C E 498 | Special Topics ³ | |
| <i>Upper level courses in Engineering Technology</i> | | |
| E T 355 | Site/Land Development and Layout | |
| Total Credits | | 18-19 |

¹ elective courses may be taken in the same department or different departments

² courses numbered 450 and above may be used to satisfy course requirements for the accelerated master's degree program (requires department head approval)

³ special topics in Civil Engineering include advanced soil mechanics, advanced soil behavior, ground improvement, design of earth retaining structures, deep foundations, and slope stability analysis (requires consent of department head and instructor)