

2024-25 Civil Engineering Checklist

Person

Fulfilled by major requirements (EGR 317)

Communication (6 credits)

- ENG 112 Writing and Community
 COM 101 Public Speaking

Cultural and Global Awareness (6 credits)

- World Language (determined by placement)
 One of the following courses:
 GLS 101 Global Perspectives
 HUM 210 Meaning Through Culture

Health and Well-Being (6 credits)

- HWB 110 Holistic Health: Mind, Body, and Spirit
 One of the following courses:
 PSY 101 General Psychology
 PSY 220 Human Growth and Development
 SOC 101 Introduction to Sociology

Broad Integrative Knowledge Outside Major**

- Completion of a minor
- Completion of a second major
- Completion of a Pathway

*Please refer to catalog or MUHUB Progress tab for a complete list of courses that meet these requirements.

**Please refer to catalog or MUHUB Progress tab for a description of acceptable major/minor options.

General Math and Science Core Reqs (30 hours)

<input type="checkbox"/> MAT 230 Calculus I	4
<input type="checkbox"/> MAT 231 Calculus II	4
<input type="checkbox"/> MAT 305 Calculus III	4
<input type="checkbox"/> EGR 210 Engineering Computation and Modeling	3
<input type="checkbox"/> CHE 140 General Chemistry I	3
<input type="checkbox"/> CHE 141L General Chemistry I Lab	1
<input type="checkbox"/> PHY 201 University Physics I	4
<input type="checkbox"/> PHY 202 University Physics II	4
<input type="checkbox"/> Science Elective (Non CHE or PHY)	3

Engineering Core Requirements (24 hours)

<input type="checkbox"/> EGR 101 Introduction to Engineering	3
<input type="checkbox"/> EGR 151 Programming for Engineers	3
<input type="checkbox"/> EGR 156 Intro Computer Aided Design	3
<input type="checkbox"/> EGR 221 Engineering Mechanics: Statics	3
<input type="checkbox"/> EGR 242 Linear Circuit Analysis	3
<input type="checkbox"/> EGR 301 Global Engineering	3
<input type="checkbox"/> EGR 317 Engineering Economics	3
<input type="checkbox"/> EGR 491 Engineering Senior Design	3

Civil Engineering Major Requirements (45 hours)

<input type="checkbox"/> EGR 222 Engineering Mechanics: Dynamics	3
<input type="checkbox"/> EGR 226 Mechanics of Materials	3
<input type="checkbox"/> EGR 326 Engineering Statistics	3
<input type="checkbox"/> EGR 365 Fluid Mechanics	3
<input type="checkbox"/> CVE 301 Surveying with Lab	3
<input type="checkbox"/> CVE 327 Civil Engineering Materials	3
<input type="checkbox"/> CVE 330 Structural Analysis	3
<input type="checkbox"/> CVE 332 Hydraulics with lab	3
<input type="checkbox"/> CVE 338 Soil Mechanics	3
<input type="checkbox"/> CVE 411 Environmental Engineering	3
<input type="checkbox"/> CVE 430 Reinforced Concrete Design	3
<input type="checkbox"/> CVE 440 Foundation Engineering	3
<input type="checkbox"/> CVE 492 Senior Design Project II	3
<input type="checkbox"/> Civil Engineering Elective	3
<input type="checkbox"/> Civil Engineering Elective	3

Total Earned
Hours 129

2024-25 B.S. Civil Engineering Major Sample Four-Year Plan

Year One					
Fall Semester			Spring Semester		
Requirement Category	Course	Credit Hrs	Requirement Category	Course	Credit Hrs
Gen Math & Sci: Calculus I	MAT 230	4	Gen Math & Sci: Calculus II	MAT 231	