

SCHREINER UNIVERSITY

Bachelor of Science

Engineering – Civil track

Sample Four Year Plan beginning Fall 2026

This curriculum guide intended for use in coordination with corresponding degree plan and course rotation.

Minimum 120 Credit Hours

Fall Semester 1

COSC 1303 Computer Programming I	3
ENGR 1301 Intro to Engineering	3
MATH 2422 Calculus I	4
IDST 1301 Freshman Studies	3
Communications core course	3
<i>Credits</i>	16

Spring Semester 1

CHEM 1301/1101 General Chemistry I	4
ENGR 1310 Technical Graphics	3
Aesthetic Appreciation core course	3
Communications core course	3
Engagement	3
<i>Credits</i>	16

Fall Semester 2

ENGR 2310 Engineering Statics	3
MATH 2423 Calculus II	4
PHIL 1310, 2311, or 2312	3
PHYS 2325/2125 University Physics I	4
Engagement core course	3
<i>Credits</i>	17

Spring Semester 2

ENGR 2320 Engineering Dynamics	3
ENGR 2330 Mechanics of Materials	3
MATH 3425 Differential Equations	4
PHYS 2326/2126 University Physics II or	
CHEM 1302/1102 General Chemistry II ²	4
<i>Credits</i>	14

Fall Semester 3

ENGR 2331 Surveying	3
ENGR 3320/3101 Fluid Mechanics & Lab	4
ENGR 3330 Structural Analysis	3
Project Management Elective choice ³	3
MATH 3324 Calculus III	3
<i>Credits</i>	16

Spring Semester 3

ENGR 3321 Environmental Engineering	3
ENGR 3322/3102 Materials Engineering & Lab	4
Upper level ENGR Elective choice ⁴	3
Upper level MATH choice ¹	3
Global Perspective core course	3
<i>Credits</i>	16

Fall Semester 4

ENGR 4321/4101 Geotechnical Engineering	4
Upper level ENGR Elective choice ⁴	3
ENGR 4294 Senior Project I	2
Global Perspective core course	3
<i>Credits</i>	12

Spring Semester 4

ENGR 4322 Transportation Engineering	3
Upper level ENGR Elective choice ⁴	3
ENGR 4295 Senior Project II	2
Elective course	3
Elective course	2
<i>Credits</i>	13