Civil Engineering MAJOR MAP  
B.S.C.E.  

**Courses:** Math, Chemistry, English, Engineering Mechanics, Skills for Success, Intro to Civil Engineering, Communication, and Humanities/Fine Art Elective. Understand the CEE curriculum and develop a long term plan.

**Visit the Career Center** to learn about careers and write a resume, cover letters, and thank you notes. Join a student organization to develop professional and personal interests (see NDSU Clubs Directory for ideas).

**Participate in the student chapter of a professional association and regularly participate (consider AISES, ASCE, AWWA/WEF, EWB, ITE, MRS, and SWE).** Developing networks and networking skills.

**Participate in campus and/or college volunteer groups.** Explore study abroad and faculty lead international travel programs. Attend seminars in different departments and colleges.

**Create a LinkedIn profile, build out LinkedIn connections, develop 10-15 second elevator pitch on who you are, conduct internship/job search, develop a list of references.**

**Volunteer to work on K-12 education programs as mentors.** Participate in Engineers Without Borders and other volunteer activities. Participate in study abroad or other international programs.

**Begin to streamline your career focus area. Research education and experience requirements for careers of interest. If needed, prepare to take a graduate school entrance examinations.**

**Struggling with career or program decisions? Go to orientation sessions, visit with Academic Advising, visit with the Career Center, and attend Career Fairs during the year.**

**Pursue career opportunities that fulfill your professional and personal goals.** If interested, apply to graduate schools for advanced degrees.

**Go! Build Your Future**

**Where could I go after graduation?**

Our graduates design solutions for civil infrastructure. Engineering areas and typical applications include:

- Environmental (treating and managing water, solid waste, industrial & hazardous waste)
- Geotechnical (foundations, earthen and gravity dams)
- Structural (buildings, bridges and other structures)
- Transportation (highways, roads and railways, airports, pipelines)
- Water Resources (water management and planning, municipal water supply)

Traditional career paths involve:

- Planning, design, operations, project management and construction.

Other careers include:

- Sales, research, teaching, architecture and law.
- Many pursue advanced degrees. Graduates become prepared for professional licensure after achieving required work experiences and passing licensing/boards.

*Some careers may require additional training.*

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**NDSU NORTH DAKOTA STATE UNIVERSITY**

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