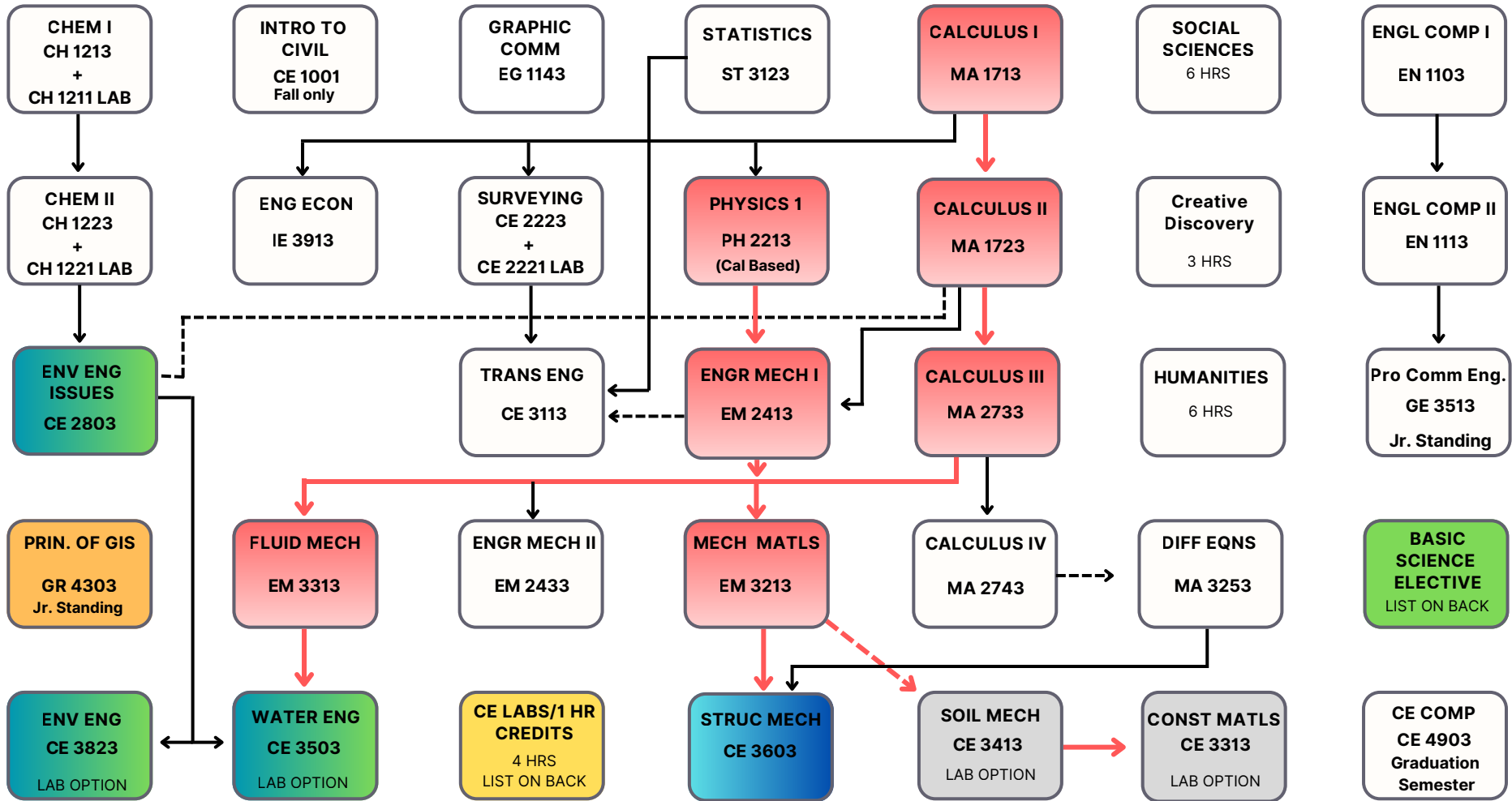




Name: _____ Net ID: _____



**STUDENTS MUST COMPLETE 18 HOURS (6 SECTIONS) OF CE 4000 LEVEL COURSES.
ONE COURSE FROM EACH BOX BELOW, AND THEN 2 MORE OF YOUR CHOOSING.**



Critical Path → Prerequisite → Co-Requisite - - - - -

FLIP OVER FLOWCHART FOR LIST OF COURSES

Choose one course from each box below, plus two more of your choosing

CONSTRUCTION AND MATERIALS

CE 4203: Elements of Infra. and Des. Construction
 CE 4253: Geomatic Engineering Apps.
CE 4483: Geosynthetics
 CE 4703: Const. Eng. & Mangt. (IE 3913)
 CE 4733: Construction Eng- Equipment & Methods
 CE 4743: Analysis & Mitigation of Claims & Disputes
 CE 4753: Construction Cost Estimating
 CE 4763: Construction Risk Management

ENVIRONMENTAL AND WATER RESOURCES

CE 4513: Engineering Hydrology (CE 3503)
 CE 4523: Open Channel Hydraulics (CE 3503)
 CE 4533: Computational Water Resources (CE 3503)
 CE 4563: Sedimentation Engineering (CE 3503)
 CE 4583: Stream Restoration (CE 3503)
 CE 4843: Env. Engineering Chemistry (CE 3823)
 CE 4863: Water & Waste Engineering (CE 3823)
 CE 4883: Stormwater Management (CE 3823, CE 3503)
 CE 4893 Hazardous Waste Management (CE 3823)

TRANSPORTATION AND PAVEMENTS

CE 4103: Pavement Materials & Design (CE 3313)
 CE 4133: Geo. Design of Highways (CE 3113)
 CE 4143: Traffic Engineering (CE 3113)
 CE 4153: Freight Transportation Systems
 CE 4163: Urban Transportation Planning
 CE 4173: Travel Behavior Modeling (CE 3113)
CE 4183: Water Transportation

GEOTECHNICAL AND STRUCTURES

CE 4433: Foundations (CE 3413)
 CE 4913: Matrix Structural Analysis
 CE 4923: Structural Dynamics (EM 3213, MA 3253)
 CE 4963: Steel Structures I (CE 3603)
 CE 4973: Concrete Structures: (CE 3603)
 CE 4983: Wood Structures (CE 3603)
 CE 4993: Precast and Prestressed Concrete

Env. Concentration

- 3-4000 level Env. and Water Eng. courses
 - Mandatory
 - CE 4513 or CE 4523
 - CE 4863 or CE 4883
- 3-4000 level CE course from 3 of the remaining boxes
 - At least one from the bold options
- Completion of CE 3801 & 3501 in the 1-credit hours box

To access a sample student schedule by semester, please use the QR code provided:



Grade of "C" or better is required for all prerequisite classes.

*Be aware not all courses are taught every semester/year. Only certain courses are taught each semester.

** Other options for additional courses can be a Directed Individual Study (DIS) with a Faculty member

STUDENTS MUST CHECK COURSE DESCRIPTIONS FOR PREREQUISITE AND/OR GRADE REQUIREMENTS IN BANNER

The boxes colored below indicate requirements that students have options to choose from. Choices for the general civil track vs. the environmental concentration may vary.

University General Education Requirements

Typical Social Sciences

Psychology
 Sociology
 Anthropology
 Political Science
 Economics

Typical Humanities

English
 History
 Philosophy
 Religion
 Foreign Language

Typical Creative Discovery

Architecture
 Art
 Dance
 Music
 Theatre

*These lists are general suggestions. Students should check their Degree Works to ensure the courses they choose meet the required criteria.

Scan code for general education requirements



BASIC SCIENCE ELECTIVE (choose one)

GG 4153: Engineering Geology
 GG 4233: Applied Geophysics
 GG 4503: Geomorphology
 GG 4523: Coastal Environments
 GG 4613: Phy. Hydrogeology
 GG 4990: Seismology

For more detailed information, please visit cee.msstate.edu

CE 1-hour credit courses

Students are required to earn 4 credits of 1-hour CE courses. 2 of the 4 need to be a LAB, the other two are of the student's choice. Below are the options.

CE 3801- Environmental Engineering Lab
 CE 3501- Water Resource Engineering Lab
 CE 3411- Soil Mechanics Lab
 CE 3311- Construction Materials Lab
 CE 3321- Trenchless Technology New Installation
 CE 3331- Trenchless Technology Rehab
 CE 3401- Applications in Civil Infrastructure

Course Prerequisite Notes

1. ACT Math score of 26 or grade C or better in MA 1323 Trig or MA 1453 Pre-cal
2. ACT Math score of 24 or grade C or better in MA 1313 Algebra
3. ACT English score of 17 or grade C or better in EN 0103