

# Master of Science in Construction Management Curriculum 2020-2021

## Degree Requirements—30 Credits

### Core Courses (21 credits):

**CEE 670** Construction Management (3 cr.)

**CEE 672** Materials Selection, Cost Estimation, and Bidding (3 cr.)\*

**CEE 609/EMGT 609** Engineering Cost Analysis (3 cr.)

**EMGT 627** Legal Aspects of Engineering (3 cr.)

**EMGT 693** Occupational Safety and Health (3 cr.),

**CEE 606** Advanced Green and Sustainable Civil Engineering (3 cr.) or **CEE 641/EMGT 640** Energy Management (3 cr.)

**EMGT 648** Project Management (3 cr.) or **EMGT 602** Risk Management (3 cr.)

### For the remaining credits, there are three options:

#### 1. All-course option (30 credits program total)

- Combination of nine (9) credits of coursework from the following:
  - o Maximum of three approved CEE 500/600 and/or EMGT 500/600 level elective courses (9 credits)
  - o Maximum of two approved Technical Elective graduate courses within or outside of the College of Engineering (6 credits)\*\*

#### 2. Project Option (30 credits program total)

- Project with presentation (3 credits)
- Combination of six (6) credits of coursework from the following:
  - o Maximum of two approved CEE 500/600 and/or EMGT 500/600 level elective courses (6 credits)
  - o Maximum of two approved Technical Elective graduate courses within or outside of the College of Engineering (6 credits)\*\*

#### 3. Thesis Option (30 credits program total)

- Thesis with presentation (6 credits)
- Three credits of coursework from the following:
  - o Maximum of one approved CEE 500/600 or EMGT 500/600 level elective course (3 credits)
  - o Maximum of one approved Technical Elective graduate courses within or outside of the College of Engineering (3 credits)\*\*

\* *New course.*

\*\**Technical Electives: any departmental course with graduate credit and with advisor's permission, from a discipline within or outside of the College of Engineering.*

Up to six credit hours may be transferred from another school, subject to approval by the CEE Department.

**For course descriptions, visit:**  
[wne.edu/catalogue](http://wne.edu/catalogue)