Civil Engineering M.S.C.E. (Thesis)

Degree Requirements: 30 Credit Hours
Total Hours: 24 hours of coursework with 6 hours Master’s Thesis

Admission Requirements

Regular
1. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in Civil Engineering, or a closely related field of study.
3. A 3.0 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
4. International students must meet College of Graduate Studies English Proficiency requirements.

Provisional
A student may be granted provisional admission based upon the recommendation of the Master of Science in Civil Engineering Graduate Coordinator or department chair.

Non-Degree
Non-degree students are accepted on an individual basis as space is available.

A minimum of 50% of courses for the Master of Science in Civil Engineering degree must be taken at or above the 6000 level.

Specializations
The Master of Science in Civil Engineering degree program provides specializations in Construction Engineering, Environmental/Water Resources Engineering, Transportation-Pavement/Geotechnical Engineering, Structural Engineering and Surveying-Geomatics.

Program of Study
A minimum of 30 semester hours of course work, none of which was used to satisfy requirements for a previous degree, are required. The student’s faculty advisor, the Civil Engineering & Construction Department Chair and the Associate Dean for Students, Curriculum & Advisement must approve the program of study. Certain specialization groups within the department have specific course requirements, so students are advised to speak with their advisor to ensure degree requirements are satisfied.

Students writing a thesis must take at least 12 hours of coursework in their major field. The major field is defined as the student’s area of specialization.

Degree Requirements

Thesis Track, 30 Credit Hours

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 7031 Research Methods for Civil Engineers and Construction</td>
<td>3</td>
</tr>
<tr>
<td>CENG 7999 Thesis</td>
<td>6</td>
</tr>
</tbody>
</table>

Restricted Electives
Select 21 credit hours of approved Electives at or above the 5000G level

Other Thesis Track Requirements
Comprehensive Exam

Total Credit Hours
30

Thesis
Each candidate for the Master of Science in Civil Engineering Thesis Track degree must complete a thesis on a subject approved by the graduate thesis committee. The major professor supervises the research, directs the writing of the thesis, and approves the thesis in its final form. Prior to the final approval, the thesis is read by the thesis committee. One member, termed the second reader, has responsibility for an intensive and rigorous criticism of the thesis and a third member of the thesis committee has the responsibility of an “editorial reader.” Both second and third readers must report all comments to the major professor. The thesis must be defended in an oral examination before the graduate committee prior to final approval and sign-off.

The style and format for the completed thesis shall follow that prescribed by the Director for the Master of Science in Civil Engineering degree. Procedural steps in the preparation of the thesis are as follows:

- The prospectus for the thesis shall be submitted to the major professor and thesis committee for approval.
- The thesis must be electronically submitted to the ETD site for format check by the final thesis submission deadline as stated in the University Calendar.
- The final corrected thesis must be electronically submitted to the ETD site by the ETD format check submission deadline as stated in the University Calendar. The final document must be electronically approved by the Thesis Committee.


Accelerated Bachelor’s to Master’s Degree (ABM) Degree Requirements: 30 Hours
In accordance with SACSCOC requirements, 120 unique credit hours are required in a Bachelors degree program, and at least 30 unique credit hours are required for a Masters degree program. The MSCE-ABM program combines 130 hours from the BSCE program and 30 hours from the MSCE program, exceeding the required 150 unique hours between undergraduate and graduate degree programs by 10 hours. The Jack N. Averitt College of Graduate Studies Handbook for Program Directors and Graduate Advisors permits a maximum of 9 shared credit hours between the undergraduate and graduate degree programs. Therefore, MSCE-ABM
students may share a maximum of 9 credit hours of graduate level courses (5000G) in satisfying the requirements of both degree programs.

**Admission Requirements**

**Regular**

For regular admission to the Accelerated Bachelor’s to the Master of Science in Civil Engineering (ABM-MSCE) degree program the student must:

1. Be enrolled as a current Georgia Southern undergraduate student majoring in Civil Engineering (CE).
2. Have completed at least 25 credit hours of undergraduate coursework in the CE discipline including: MATH 1441, MATH 2242, PHYS 2211K, PHYS 2212K and CENG 1133.
3. Have a 3.0 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work.

ABM programs do not allow provisional admission. ABM programs are designed for students who have demonstrated a high level of undergraduate academic performance that validates their ability to be successful graduate students. Students who do not meet the minimum requirements for regular admission may be granted admission to the program upon approval of an admissions committee consisting of at least the Department Chair and the Graduate Program director.

**ABM Degree Requirements: 30 Credit Hours Non-Thesis**

1. A student in the ABM program will be allowed to use up to 9 credits of CENG 5000G level courses offered within the Civil Engineering program in meeting the requirements of both a bachelor’s degree and a master’s degree.
2. Maintain a cumulative graduate GPA of 3.0 (grade of “B” or better) in their graduate degree course work (including the 9 credits of graduate course work shared with the undergraduate degree).
3. Meet all requirements for both the BSCE and MSCE degrees.
4. An undergraduate student enrolled in graduate classes is limited to 6 credit hours of graduate coursework per semester.
5. A minimum of 50% of courses for the Master of Science in Civil Engineering degree must be taken at or above the 6000 level.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core Requirements</strong></td>
</tr>
<tr>
<td>CENG 7031 Research Methods for Civil Engineers and Construction</td>
</tr>
<tr>
<td>CENG 7999 Thesis</td>
</tr>
<tr>
<td><strong>Restricted Electives</strong></td>
</tr>
<tr>
<td>Select 21 credit hours of approved Electives at or above the 5000G level</td>
</tr>
<tr>
<td><strong>Other Thesis Track Requirements</strong></td>
</tr>
<tr>
<td>Comprehensive Exam</td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
</tr>
</tbody>
</table>

**Thesis**

Each candidate for the Master of Science in Civil Engineering Thesis Track degree must complete a thesis on a subject approved by the graduate thesis committee. The major professor supervises the research, directs the writing of the thesis, and approves the thesis in its final form. Prior to the final approval, the thesis is read by the thesis committee. One member, termed the second reader, has responsibility for an intensive and rigorous criticism of the thesis and a third member of the thesis committee has the responsibility of an "editorial reader." Both second and third readers must report all comments to the major professor. The thesis must be defended in an oral examination before the graduate committee prior to final approval and sign-off.

The style and format for the completed thesis shall follow that prescribed by the Director for the Master of Science in Civil Engineering degree. Procedural steps in the preparation of the thesis are as follows:

- The prospectus for the thesis shall be submitted to the major professor and thesis committee for approval.
- The student must prepare the thesis for electronic submission following the latest version of the Electronic Thesis and Dissertation (ETD) Student Guide to Preparation and Processing manual.
- The thesis must be electronically submitted to the ETD site for format check by the final thesis submission deadline as stated in the University Calendar.
- The final corrected thesis must be electronically submitted to the ETD site by the ETD format check submission deadline as stated in the University Calendar. The final document must be electronically approved by the Thesis Committee.

See the Electronic Thesis and Dissertation (ETD) Student Guide to Preparation and Processing (latest version at the COGS Electronic Theses and Dissertation website).

**Advisement**

Allen E. Paulson College of Engineering and Computing
Dr. Francisco Cubas-Suazo
P.O. Box 8077
Statesboro, GA 30460
(912) 478-2822
Email: fcubassuazo@georgiasouthern.edu