CONSTRUCTION SCIENCE AND MANAGEMENT

Bachelor of Science
As the largest single industry in the United States and one of the most important, construction offers unlimited opportunities to highly motivated and professionally educated men and women. Future professionals must be skilled in managing people, equipment, and capital, in addition to having a thorough knowledge of construction materials and methods and the complex technologies of modern construction. The Bachelor of Science in Construction Science and Management curriculum is the basis for a career in construction or as a developer or building management specialist.

Change of major requests are considered only once a year, in late May or early June. Students who wish to change their major to Construction Science and Management must have completed at least 30 credit hours (with a minimum of 24 credit hours taken at Clemson University) with a minimum grade-point average of 2.7; and must have successfully completed ENGL 1030, PHYS 2070/2090, and the mathematics requirement (MATH 1020 or 1060) by the end of the spring semester of the year the change-of-major request is made. Students should contact the Construction Science and Management Department, 122 Lee Hall. The Department’s Faculty Admissions Committee will consider all requests in late May or early June and select the top students by cumulative grade-point average based on space availability. Students who do not meet the minimum requirements at the end of spring semester will not be considered.

Freshman Year

First Semester
3 - CSM 1000 Intro. to Construction Sci. and Mgt.
3 - ENGL 1030 Accelerated Composition
3 - MGT 2180 Management Personal Computer Applications
4 - MATH 1060 Calculus of One Variable 1
3 - PHYS 2070 General Physics I
1 - PHYS 2090 General Physics I Lab.
1

Second Semester
3 - ART 2100 Introduction to Art and Architecture
3 - CSM 1500 Construction Problem Solving
3 - CSM 1500 Intro. to Human Comm. or
3 - CSM 2500 Public Speaking
3 - PHYS 2080 General Physics II
3 - PHYS 2100 General Physics II Lab.
3 - STAT 3090 Introductory Business Statistics

Sophomore Year

First Semester
3 - AGM 2210 Surveying
3 - CSM 2010 Structures I
3 - CSM 2030 Materials and Methods of Const. I
3 - ECON 2110 Principles of Microeconomics
3 - Arts and Humanities (Literature) Requirement2

Second Semester
3 - ACCT 2210 Financial Accounting Concepts
4 - CSM 2020 Structures II
3 - CSM 2040 Contract Documents
3 - CSM 2050 Materials and Methods of Const. II
3 - ECON 2120 Principles of Macroeconomics

Junior Year

First Semester
3 - CSM 3030 Soils and Foundations
3 - CSM 3040 Environmental Systems I
3 - CSM 3510 Construction Estimating
3 - ENGL 3040 Business Writing or
3 - ENGL 3140 Technical Writing
3 - Social Science Requirement2

Second Semester
3 - CSM 3050 Environmental Systems II
3 - CSM 3520 Construction Scheduling
3 - CSM 3530 Construction Estimating II
3 - LAW 3220 Legal Environment of Business
3 - MGT 3070 Human Resource Management

Senior Year

First Semester
3 - CSM 4110 Safety in Building Construction
1 - CSM 4500 Construction Internship
3 - CSM 4530 Construction Project Management
3 - CSM 4610 Construction Economics Seminar
6 - Major Requirement1

Second Semester
6 - CSM 4540 Construction Capstone
6 - Major Requirement1
3 - Science and Tech. in Society Requirement2

125 Total Semester Hours

1A sequence of MATH 1020 and 2070 and may be substituted.
2See General Education Requirements.

1A sequence of MATH 1020 and 2070 and may be substituted.
2See General Education Requirements.

3Select from department-approved list or as approved in writing by advisor and department chair. Note: Six credit hours must be in business.

Note: A minimum of 800 hours of construction experience will be required prior to graduation.

ENGLISH

Bachelor of Arts
The core courses of the English major help students acquire an understanding of literature as a humanistic study; develop an appreciation and practical knowledge of the modes of literary expression, research, and criticism; and improve the ability to communicate effectively and intelligently.

By the end of the sophomore year, students choose between two emphasis areas: Literature or Writing and Publication Studies. The Literature Emphasis Area offers an extensive exploration of American and British literature, literary theory, and related disciplines such as creative writing and film. The Writing and Publication Studies Emphasis Area focuses on digital publishing, professional communication, rhetoric, creative writing, and writing about the arts. By teaching students to read closely, think critically, and communicate effectively, both emphasis areas prepare English majors for work in a variety of professional and academic fields.

The standard program of study consists of courses stipulated in the map below, which includes 24 credit hours of core courses and 15 hours chosen from one of the two emphasis areas.

Core Courses
ENGL 3000 and 3100 and 18 additional credits selected from the following:

Literature Survey Requirement—Six credit hours from ENGL 3960, 3970, 3980, 3990

Shakespeare—ENGL 4110

Language, Criticism, and Theory—Three credits from ENGL 4000, 4010, 4350, (WS) 4360, 4400, 4420, 4430, (COMM) 4510, 4580, (COMM) 4910, (COMM) 4920

Advanced Writing—Three credits selected from ENGL 3040, 3120, 3140, 3150, 3450, 3460, (THEA) 3470, 3480, 4450, 4460, (THEA) 4470, 4480, 4490, 4900, 4940

Major Electives—Three credits from 3000- or 4000-level ENGL courses

Capstone Seminar—ENGL 4960

Literature Emphasis Area

Literature I (to 1699)—Three credits from ENGL 4030, 4070, 4080, 4100, 4140, 4200, (THEA) 4290, 4440, 4630

Literature II (1700—1899)—Three credits from ENGL 4150, 4160, 4170, 4180, 4210, 4250, 4260, 4640

Literature III (from 1900)—Three credits from ENGL 4280, (THEA) 4300, 4310, 4320, 4330, 4340, 4550, 4650

Diversity—Three credits from ENGL 3530, 3800, 490, (HUM) 4560, 4820, 4830

Major Electives—Three additional credits from 3000- or 4000-level ENGL courses

Writing and Publication Studies Emphasis Area

ENGL 4990 plus 12 additional credits selected from the following:

Language, Criticism, and Theory—Three credits in addition to core requirements from ENGL 4000, 4010, 4350, (WS) 4360, 4400, 4420, 4430, (COMM) 4510, 4580, (COMM) 4910, (COMM) 4920
Advanced Writing—Three credits, in addition to the Core Advanced Writing Requirement, selected from ENGL 3040, 3120, 3140, 3150, 3450, 3460, (TSEA) 3470, 3480, 4450, 4460, (TSEA) 4470, 4480, 4490, 4940.

WPS Courses—Six credits from ENGL 3320, 3330, 3490, 3870, 4410, 4600, 4750, 4780, 4870, 4890, 4950.

Freshman Year
First Semester
3 - ENGL 1030 Accelerated Composition
3 - HIST 1720 'The West and the World I'
4 - Foreign Language Requirement
3 - Mathematics Requirement
3 - Mathematics or Natural Science Requirement
16

Second Semester
3 - ENGL 2120 World Literature
2 - ENGL 3000 Professional Development
3 - HIST 1730 'The West and the World II'
4 - Foreign Language Requirement
4 - Natural Science Requirement
16

Sophomore Year
First Semester
3 - ENGL 3100 Critical Writing About Literature
3 - Arts and Humanities (Non-Lit.) Requirement
3 - English Literature Survey Requirement
3 - Elective

Second Semester
3 - COMM 1500 Intro. to Human Comm. or 1500
3 - COMM 2500 Public Speaking
3 - English Literature Survey Requirement
3 - Fine Arts Requirement
3 - Foreign Language Requirement
3 - History/Philosophy Requirement
15

Junior Year
First Semester
6 - Major Requirement
3 - Minor Requirement
3 - Science and Tech. in Society Requirement
3 - Social Science Requirement
15

Second Semester
6 - Major Requirement
6 - Minor Requirement
4 - Elective
16

Senior Year
First Semester
9 - Major Requirement
3 - Minor Requirement
3 - Elective
15

Second Semester
3 - ENGL 4960 Senior Seminar
6 - Major Requirement
3 - Minor Requirement
12

120 Total Semester Hours

## HISTORY

### Bachelor of Arts

The History major provides students with flexibility to pursue their particular interests in history. The major includes 34 credit hours in history, in addition to HIST 1720 and 1730, as outlined below.

**History Major—HIST 2990, 4900 or 4980 and 27 additional credits in History. Students must take three hours each of United States history, European history and non-Western history, in addition to three hours of history at the 4000 level. No more than six hours of 1000- and 2000-level history courses (in addition to HIST 2990) may be counted towards the Major Requirements.**

**History Major (Public History Emphasis Area)—HIST 2990, HIST 4900 or HIST 4980; HIST 4980; HIST 4180 or another course approved by the emphasis area coordinator; and 12 additional credits in History. Students must take three hours each of United States history, European history, and non-Western history, in addition to three hours of history at the 4000 level. No more than six hours of 1000- and 2000-level history courses (in addition to HIST 2990 and 2980) may be counted towards the Major Requirements.**

Pre-law students majoring in History should consult the pre-law advisor for a recommended program.

Students who change majors into History must have completed at least 12 credit hours at Clemson and have either a minimum 2.0 cumulative grade-point average or have earned a B or better in HIST 1720 or 1730, taken at Clemson.

### Double Major in History/Secondary Education—Social Studies (History)

The Bachelor of Arts Degree in History and Secondary Education—Social Studies (History) prepares students for teaching at the secondary school level and for graduate studies in History. See pages 129-130 for the curriculum.

Note: To receive a double major in History and Secondary Education—Social Studies (History), the student must complete a change-of-program form to declare both majors.

### Freshman Year

First Semester
3 - ENGL 1030 Accelerated Composition
3 - HIST 1720 'The West and the World I'
4 - Foreign Language Requirement
4 - Natural Science Requirement
2 - Elective
16

Second Semester
3 - ENGL 3090 Accelerated Composition
3 - HIST 1720 'The West and the World I'
4 - Foreign Language Requirement
4 - Science and Tech. in Society Requirement
16

### Sophomore Year

First Semester
3 - Arts and Humanities (Literature) Requirement
3 - Arts and Humanities (Non-Lit.) Requirement
3 - Foreign Language Requirement
3 - Major Requirement
3 - Elective
15

Second Semester
4 - HIST 2990 Seminar: The Historian's Craft
3 - Advanced Humanities Requirement
3 - Foreign Language Requirement
3 - Major Requirement
3 - Minor Requirement
16

### Junior Year

First Semester
3 - Advanced Humanities Requirement
6 - Major Requirement
3 - Minor Requirement
3 - Elective
15

Second Semester
3 - Literature Requirement
6 - Major Requirement
3 - Minor Requirement
3 - Elective
15

### Senior Year

First Semester
3 - 4000-Level History Requirement
3 - Advanced Humanities Requirement
3 - Major Requirement
3 - Minor Requirement
3 - Elective
15

Second Semester
3 - HIST 4900 Senior Seminar or 4980 Senior Honors Thesis
3 - Major Requirement
3 - Minor Requirement
3 - Elective
12

120 Total Semester Hours

The foreign language requirement is a proficiency requirement. Students must complete through 2020 in American Sign Language, Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian, or Spanish.

See General Education Requirements. Three of these credit hours must also satisfy the Science and Technology in Society requirement.

GE 4100, 1010, or 1060

See advisor. Students must take three hours each of U.S. history, European history, and non-Western history, in addition to three hours of history at the 4000 level. No more than six hours of 1000- and 2000-level history courses (in addition to HIST 2990 or HIST 2020 for students in the Public History Emphasis Area) may be counted towards the Major Requirements.