

Master of Science - Construction Management

2 Graduate Degree/Certificate Name Change Form 2021-22

I. General Information

The faculty member originating this proposal is to complete sections I and II.

TURN ON help text before starting this proposal by clicking  in the top right corner of the heading. You will need to turn on help text again after any actions that refresh the page including after saving proposals, importing information, or running impact reports.

IMPORT curriculum data from the Catalog by clicking  in the top left corner.

Do not make any changes to any information until the proposal has been launched in Step 4.

FILL IN ONLY fields required marked with an * after importing data. You will not be able to launch the proposal without completing required fields. Do not make proposed changes to the information that was imported until after the proposal has been launched in Step 4. Changes will only be tracked after the proposal is launched

Department*

Civil and Environmental Engineering and Construction

Program Title* Master of Science - Construction Management

Degree Type*

Master of Science

Program Type*

Master's

Plan Code

Effective Term*

Fall 2021

II. Degree/Certificate Information

New Degree/Certificate Name:

Master of Science - Construction and Infrastructure Management

Is this Degree/Certificate currently on hold?* Yes No

How many students are active in the Degree/Certificate?* 4

Last term of Admission to Degree/Certificate under current name*

Spring 2021

Impact on Current Students

Current students cannot be required to complete the Degree/ Certificate under the proposed new Degree/Certificate name. However, they can be given the option of switching. Students must adhere to the catalog requirements for their chosen requirement term.

Please take note of the following guidelines for transition of students from current to new name:

Masters & Certificates: 2 years after approval of name change. After 2 years, all students will need to graduate using the new name.

Post-Masters Doctoral degrees and Education Specialist: 3 years after approval of name change. After 3 years, all students will need to graduate using the new name.

Post-bachelor's Doctoral degrees: 4 years after approval of name change. After 4 years, all students will need to graduate using the new name.

Check this box to acknowledge the above statement.* Acknowledgement

Will current students have the option to switch to the proposed Degree/Certificate name?* Yes No

If students choose to switch to the proposed Degree/Certificate name, they must accept and acknowledge the proposed Degree/Certificate name and applicable catalog requirements in writing (with department approval) within one year of the issuance of the Provost Alert name change approval email.

Contact GradCurriculum@unlv.edu for the Degree Name Change Acknowledgement form.

Check this box to acknowledge the above statement.* Acknowledgement

All current students (remaining in the program under the current name) must complete the program within time not to exceed 3 years (certificate), 5 years (master's) or 7 years (doctoral) from the last admit term for the program under the current name.

Check this box to Acknowledgement

acknowledge the above statement.*

4. LAUNCH proposal by clicking  in the top left corner.

5. After launching the proposal, make all changes and fill in all additional fields.

6. Finish the launch of your proposal by clicking the icon  located in the Proposal Toolbox on left side at top. Make your decision, comment is optional, and click on "Make decision".

You can check the status of the proposal by clicking  in Proposal Toolbox to verify that the proposal has gone to the next step.

Brief summary of impact and rationale behind the name change:*

The name of the degree needs to be changed with the word "infrastructure", because the content of the degree not only covers construction management but also infrastructure management. Also the Infrastructure bill which is introduced in the Senate can increase the construction of infrastructure projects. So this degree will be appealing to a lot of students.

III. Department Vote Information

Note: This section is to be filled out by the Department Chair on behalf of the committee.

(The role has been assigned to the corresponding person on this step. If incorrect, please notify GradCurriculum@unlv.edu)

1. Review the proposal. Discuss and make appropriate revisions.

2. Fill in vote information.

3. Then go to the proposal toolbox at the top right side. Click on  and select the corresponding decision for the committee. This will enable the proposal to go to the next person on the workflow.

You can check the status of the proposal by clicking  in Proposal Toolbox to verify that the proposal has gone to the next step.

Date Faculty Voted on Proposal 3/23/2021

Result of Vote 16/16

Manner of Vote Online meeting

IV. Unit Vote Information

Note: This section is to be filled out by the College Committee Chair on behalf of the committee.

(The role has been assigned to the corresponding person on this step. If incorrect, please notify GradCurriculum@unlv.edu)

1. Review the proposal. Discuss and make appropriate revisions.
2. Fill in vote information.
3. Then go to the proposal toolbox at the top right side. Click on  and select the corresponding decision for the committee. This will enable the proposal to go to the next person on the workflow.

You can check the status of the proposal by clicking  in Proposal Toolbox to verify that the proposal has gone to the next step.

Date Faculty Voted on Proposal 4/13/2021

Result of Vote 4-0-0

Manner of Vote online

V. Processing Notes (Graduate College/Registrar Use Only)

Program Alerts (E.g. This program is no longer accepting applications)

PS Processing Notes

PS Processing Date

Initials

Aalog Processing Notes

Aalog Processing Date

Initials

Plan Description

The Master of Science in Construction Management (M.S.C.M.) provides graduate-level study for those seeking mid- and upper-level management positions in the construction industry or continued study for the doctorate. Students with degrees in construction management, engineering, science, architecture and business, as well as related disciplines are invited to apply. Applications for admission to the program are evaluated on an individual basis by the Civil and Environmental Engineering and Construction (CEEC) Department's construction engineering management faculty. Two tracks (thesis and project) are available in M.S.C.M. degree program. For more information about your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines Applications available on the UNLV Graduate College website. Admission to the program leading to the M.S.C.M. degree in thesis and project tracks is open to those students completing the following requirements: Applications should be submitted in the Grad Rebel Gateway system. Applicants must have an earned baccalaureate degree from a regionally accredited four-year college or university with preferred study in construction, engineering, architecture, business, or closely related area. The CEEC Graduate Program Committee (GPC) and Graduate Coordinator make all the final decisions after review of each applicant's records and admissions information. Overall undergraduate GPA should be at least 2.75 (4.00=A) for the bachelor's degree or at least 3.00 (4.00=A) for the last 60 credits of undergraduate work. Credit (in semester hours) must have been earned in the following subjects or their equivalents: • MATH 181 – Calculus I • PHYS 151/151L – General Physics I • CEM 250/250L – Construction Materials & Methods • CEM 270 – Construction Engineering Mechanics • A course in construction or engineering graphics The leveling courses required of a student before entering the M.S.C.M. program will be determined on an individual basis. The student will be notified in writing of any deficiencies prior to admission to the program. Students with deficiencies exceeding two courses may need to satisfactorily complete them before admission to the graduate program. A minimum grade of C is required in the leveling courses. The CEEC Graduate Program Committee (GPC) and Graduate Coordinator make all the final decisions after review of each applicant's records and admissions information. The applicant must submit Statement of Intent (SOI) with no more than two pages describing the reasons why they wish to earn a master's degree. In addition, two letters of recommendation (LOR) must be submitted from individuals familiar with applicant's knowledge, skills and abilities. It is highly recommended that LOR be written on official letter head. International applicants must meet English proficiency requirements established in the UNLV Graduate Catalog. All applicants are required to take

GRE General Test and submit the scores to the University of Nevada, Las Vegas (code 4861). Successful applicants generally have a combined verbal

and quantitative GRE score of at least 300 and analytical writing score of at least 3. All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements. Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below. Subplan 1: Thesis Track Subplan 2: Project Track

Subplan 1 Requirements: Thesis Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 13

CEM 651 Construction Estimating	4
CEM 653 Construction Scheduling and Resource Optimization	3
CEE 700 Research Methods in Civil and Environmental Engineering	3
[After] 3 Credits of 700 level statistics course with consent of student's advisor and instructor	

Specialty Courses – Credits: 6

Complete at least two of the following courses:

CEM 685 Construction Law and Contracts	3
CEM 705 Construction Engineering Management	3
CEM 710 Modular Construction	3
CEM 720 Information and Sensing	3

**Technology in Construction
CEM 751 Construction Cost Analysis and
Estimating**

3

Elective Courses – Credits: 2

Complete 2 credits of advisor-approved elective or specialty coursework.

(Optional) Graduate Internship Course-Credit: Maximum up to 1

Students engaged in Curricular Practical Training (CPT) must take CEM 792. The course can be taken maximum one time during their study. However, the credit will not be counted towards the degree.

**CEM 792 Graduate Internship for Master in
Construction Management**

1

Thesis – Credits: 9

**CEM 797 Research Thesis in Construction
Engineering and Management**

1 - 9

Degree Requirements

A Thesis Advisory Committee composed of at least four members of the UNLV graduate faculty is to be formed for the student. At least two of the committee members must be from tenured or tenure-track Construction Engineering Management (CEM) faculty and the third member from CEEC Department. The fourth faculty member, the Graduate College Representative, is recommended by advisor/advisee and appointed by the Graduate College. It is recommended that the Thesis Advisory Committee collective expertise reflects the thesis topic. The committee chair must be a CEM faculty from the area of expertise chosen for thesis topic. Students must complete at least 21 credits of graduate course, comprised of 13 required 600/700-level credits of CEM, CEE and statistics coursework, 6 credits of specialty courses, and 2 credits of advisor-approved elective or specialty coursework. Students who have credit in CEM 651 and CEM 653 or equivalent courses will select two other courses from the specialty or advisor-approved elective list. In addition to the coursework requirements, 9 credits of research work associated with the master's level thesis (CEM 797) with the outcome being a manuscript written for a specific indexed conference or journal. At least 50% of the courses (600 and 700 level) within the total coursework must be from the College of Engineering. At least 50% of the courses within the total coursework must be 700 level. Students must maintain a minimum grade point average of 3.00. A course in which a

must maintain a minimum grade point average of 3.00. A course in which a grade of less than C was earned will not be considered for use toward the degree. All requirements for the M.S.C.M are met upon the satisfactory completion of the proposed research, the submission of a satisfactory thesis, and the successful oral defense of the thesis before the Thesis Advisory Committee.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements. The student must submit and successfully defend his/her thesis by the posted deadline. The defense must be advertised and is open to the public. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found here.

Subplan 2 Requirements: Project Track

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 10

CEM 651 Construction Estimating	4
CEM 653 Construction Scheduling and Resource Optimization	3
[After] 3 Credits of 700 level statistics course with consent of student's advisor and instructor	

Specialty Courses – Credits: 12

Complete four of the following courses:

CEM 685 Construction Law and Contracts	3
CEM 705 Construction Engineering	3

CEM 709 Construction Engineering Management	3
CEM 710 Modular Construction	3
CEM 720 Information and Sensing Technology in Construction	3
CEM 751 Construction Cost Analysis and Estimating	3

Elective Courses – Credits: 5

Complete 5 credits of advisor-approved elective or specialty coursework.

(Optional) Graduate Internship Course - Credit: Maximum up to 1

Students engaged in Curricular Practical Training (CPT) must take CEM 792. The course can be taken maximum one time during their study. However, the credit will not be counted towards the degree.

CEM 792 Graduate Internship for Master in Construction Management	1
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Special Project – Credits: 3

CEM 796 Special Project in Construction Engineering and Management	1 – 3
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Degree Requirements

The student's Advisor should be tenured or a tenure track Construction Engineering Management faculty member of the CEEC Department. An advisory committee is not required. Students must complete at least 27 credits of graduate course, comprised of 10 credits of required 600/700-level credits of CEM and statistics coursework, 12 credits of specialty coursework, 5 credits of approved elective or specialty coursework. In addition to the coursework requirement, 3 credits of master's level project (CEM 796) with the outcome being a paper written for a specific indexed conference or journal. Students who have credit in CEM 651 and CEM 653 or equivalent courses will select two other courses from the specialty or advisor-approved elective list. At least 50% of the courses (600 and 700 level) within the total coursework must be from the College of Engineering. At least 50% of the courses within the total coursework must be 700 level. Students must maintain a minimum grade point average of 3.00. A course in which a grade of less than C was earned will not be considered for use toward the degree.

Graduation Requirements

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements. The student must successfully complete a project and submit a project report.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements. Subplan 1: Thesis Track
Subplan 2: Project Track

Comments for Master of Science - Construction Management

Curriculog	5/7/2021 3:32 pm Reply
Emily Lin has approved this proposal on Graduate Dean.	
Curriculog	5/7/2021 8:30 am Reply
Gregory Moody has approved this proposal on behalf of Graduate Programs Committee. See Graduate Programs Committee Agenda - May 4, 2021 for more information.	
Curriculog	5/6/2021 4:36 pm Reply
Graduate Curriculum has approved this proposal on Graduate Programs Committee.	
Curriculog	4/26/2021 9:32 pm Reply
Mohamed Trabia has approved this proposal on School/College Associate Dean/ Dean.	
Melissa Morris	4/26/2021 6:23 pm Reply
The college committee approved this proposal.	
Curriculog	4/26/2021 6:23 pm Reply
Melissa Morris has approved this proposal on School/College Committee.	
Curriculog	4/26/2021 1:03 pm Reply
CEEC Chair has approved this proposal on Department Chair.	
Curriculog	4/26/2021 9:27 am Reply
CEEC Graduate Coordinator has approved this proposal on Graduate Coordinator.	
Curriculog	4/26/2021 8:30 am Reply
Graduate Curriculum has force approved this proposal.	
Curriculog	4/26/2021 8:29 am Reply
Graduate Curriculum has approved this proposal on Technical Review.	
Curriculog	4/26/2021 7:58 am Reply
Emilv Lin has approved this proposal on VPAP/ Graduate College Dean Review Step.	

Curriculog 4/23/2021 5:16 pm [Reply](#)

Graduate Curriculum has approved this proposal on VPAP/ Graduate College Dean Review Step.

Curriculog 4/23/2021 5:00 pm [Reply](#)

EVP Academic Assessment has approved this proposal on VPAP/ Graduate College Dean Review Step.

EVP VPAP 4/23/2021 4:57 pm [Reply](#)

Please consult with Gail Griffin as soon as possible to discuss submission of this name change to NSHE for Board of Regents approval

Curriculog 4/23/2021 4:57 pm [Reply](#)

EVP VPAP has approved this proposal on VPAP/ Graduate College Dean Review Step.

Curriculog 4/20/2021 3:52 pm [Reply](#)

CEEC Graduate Coordinator has approved this proposal on Originator.

Graduate Curriculum 4/20/2021 3:13 pm [Reply](#)

Please adjust the rationale for the name change - please elaborate on the nature/need for the change from all different perspectives involved, with emphasis on the academic value of the change, and other values seen and expected by faculty proposing the change.

Curriculog 4/20/2021 3:13 pm [Reply](#)

Graduate Curriculum has force rejected this proposal.

Curriculog 4/20/2021 8:09 am [Reply](#)

CEEC Graduate Coordinator has approved this proposal on Originator.

Curriculog 4/19/2021 11:33 am [Reply](#)

CEEC Graduate Coordinator has launched this proposal.

Curriculog 4/19/2021 11:29 am [Reply](#)

CEEC Graduate Coordinator imported from the map 2021-2022 Working Graduate Catalog into the following proposal fields: I. General Information: Department, I. General Information: Program Title, I. General Information: Degree Type, I. General Information: Program Type, V. Processing Notes (Graduate College/Registrar Use Only): For Graduate College Use Only.

