Master of Science - Construction and Infrastructure Management

2 Graduate Program Change 2022-23

I. General Information

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

Before starting this form, please review graduate curriculum website on policies and processes: https://www.unlv.edu/graduatecollege/curriculum

Click **"validate and launch proposal" button below.** Once the pop-up window comes up and displays an error message, click on the "show me" button (on the pop-up). This will highlight in red the required fields of this form. Fill in ONLY the red (required) fields.

With all red fields completed, click on the **"validate and launch proposal" button** again to launch the proposal. The pop-up this time should not display an error, and will display instead a **"launch proposal" button**. Click on the **"launch proposal" button** to launch.

After launch, please fill in all remaining fields in the form to reflect your intended changes, including edits to the schema section of this form (further explained below).

Department (s) (if Dual or Interdisciplinary please add all departments):*   Civil and Environmental Engineering and Construction

Degree or Certificate Name:*   Master of Science - Construction and Infrastructure Management

Degree Type:*   Master of Science

Program Type:*   Master's

II. Program Changes

Proposed New CIP Code (if applicable):

Are you changing admission requirements?*   ◉ Yes   ○ No

Are you changing program learning objectives? *   ⦿ Yes   ◯ No

If yes, describe changes to learning objectives:

The following student learning outcomes must replace the existing learning outcomes.

1. Demonstrate knowledge in the chosen area of their expertise (construction and transportation).
2. Acquire and apply appropriate research methodology to solve contemporary engineering problems related to the area of their expertise.*
3. Demonstrate an ability to generate, collect, compile, and interpret research data.*

4. Demonstrate technical communication skills.

*These SLO apply to Thesis subplan only.

Are you changing course requirements? *   ⦿ Yes   ◯ No

Are you changing degree completion requirements? *   ⦿ Yes   ◯ No

Are you changing the culminating experience? *   ⦿ Yes (complete the culminating experience section below)   ◯ No

Other Changes (e.g. subplan titles,...): *   ⦿ Yes   ◯ No

If not a Dual itself, is this program also available as part of a Dual-Degree offering? *   ◯ Yes   ⦿ No

Summary of Changes

Provide a brief summary of proposed changes:	The student learning outcomes should be changed.
	The subplans 2 and 4 - Project Track will be replaced with the Non-Thesis Track.
	The CEM 798 Seminar course will be a required course instead of CEM 796 for Course option students.
	CEM 798 Seminar course will be optional course for Thesis track students, however the credits will not be counted towards their degree.
	Required courses CEE 672 and CEM 651 are being reduced to 3 credits, changing total credits for the required course section and also electives section without changes to the total credits of the program.

Provide a rationale for each proposed change:	All the above changes are initiated due to the recommendations provided by the external reviewer who visited our Master program during spring 2021.

Office of Online Education

Programs that are 100% online must contact the Office of Online Education (https://www.unlv.edu/provost/online-education).

Email: elizabeth.barrie@unlv.edu

What is the current delivery/mode of instruction for this program? *
- ⦿ 100% face-to-face courses
- ◯ Hybrid (some online courses; some face-to-face courses)
- ◯ 100% online courses

Are you changing the delivery/mode of instruction? (select new mode):*
- ◯ 100% face-to-face courses
- ◯ Hybrid (some online courses; some face-to-face courses)
- ◯ 100% online courses (contact office of online education)
- ⦿ No Changes

Required Additional Documents:

Please attach required documents by navigating to the "attach a file" icon at the right of this form.

Information and forms available at the **Office of the Vice Provost for Academic Programs** website.

If changing to 100% online delivery, please attach the following:

> **Assessment Plan - A new assessment plan will be required when adding an exclusively online mode of delivery to a degree and it must be approved by the Office of Academic Assessment, assessment@unlv.edu,**
> **Dean's memo of support**
> **Teach Out Plan (available at the Office of the Vice Provost for Academic Programs website).**

If 100% Online, attach the required documents and mark the checkboxes:

○ Assessment Plan
○ Dean's memo of support
○ Teach Out Plan

Office of Educational Compliance

Programs that lead to professional licensure or certification must contact the Office of Educational Compliance (https://www.unlv.edu/provost/ed-compliance).

Email: leeann.fields@unlv.edu

With this change, does this program lead to professional licensure or certification?*

○ Yes (contact office of educational compliance)
◉ No

SCHEMA SECTION

Please edit the schema section after launching the proposal. To launch, please complete all other fields of this form and click "validate and launch" at the bottom. If an error message pops up, please click "show me" and fill in all red (missing) fields in the form and click "validate and launch" again until successfully launched.

In this section, please use the instructions below to change the graduate catalog display of program requirements: descriptions, admissions, courses, degree completion, graduation, etc.

Please note that the new graduate catalog will display the exact information that you edit in this section.

INSTRUCTIONS:

1. Click on the "View Curriculum Schema" icon at the bottom of the "Schema Section."

2. If you are only adjusting existing content, click on the respective Core you would like to edit, then make your edits and click on "Save" as you go. If you are deleting a subplan or courses, simply delete the respective Cores or courses and adjust the descriptive content accordingly.

If you are adding new subplans and/or adding or substituting courses, please see the steps below:

Prior to following the steps below, please open in parallel a structurally similar program from the graduate catalog as a reference (UNLV Graduate Catalog). You will use this reference to review the sections of a program plan, and have direction on expected content.

3. Click "Add Core" to create blank "Cores." Create as many Cores as you will need. If unsure, refer to other subplans already in this program or to a reference in the graduate catalog to understand how many Cores you need and their expected content.

4. Click on each Core and rename them folowing your needs or a catalog reference, clicking on "Save" as you go.

5. Add content to all of the cores by clicking within the field to be edited and clicking "Save" as you go. Please note that course sections require instructions of how the credits must be taken (e.g. "Complete x credits by completing all of the following courses," or "Complete x credits of advisor-approved courses," or "Complete 3 credits of course-x and 6 credits of course-z," etc.).

6. To add courses, click on the "View Curriculum Courses" tab at the top of the schema window below, then click on the "Import Course" button at the bottom of the "View Curriculum Courses" window. Click on the available import catalog (only one will be available), and on the import window, select "filter by prefix." (1) Search for your desired course prefix; (2) then click "search available curriculum; (3) then click on all courses that will be imported. Add courses to proposal by clicking, at the very bottom, on the "Add Courses to Proposal" button. Repeat this process as often as you need until all courses are added to the proposal.

7. For courses that do not exist yet at the time of this proposal: Add the courses into the description box of the respective course section in the following way: "PREFIX - NUMBER - Course name, (credits)."

8. Add the courses into their respective course section by clicking "add course" within each course section.

Proposed Curriculum:*

Plan Description

The Master of Science - Construction and Infrastructure Management (MSCIM) degree is for individuals interested in the management of construction and transportation infrastructure.

It is intended for applicants with all backgrounds, especially those in areas other than engineering, and who either presently work for or aspire to work for construction companies, transportation agencies, public agencies, or private companies who provide professional services in the transportation and construction management fields.

The degree provides graduate-level study for those seeking mid- and upper-level management positions in the construction and transportation industries. Students with degrees in construction management, engineering, science, architecture, business, economics, public administration, quantitative geography, computer science, mathematics, operations research, statistics, political science, physical science, psychology, health sciences, urban or regional planning, 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) faculty.

Two concentrations:

    Construction Management (CM) and
    Transportation Infrastructure Management (TIM),

are available in MSCIM 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 MSCIM degree in thesis and non-thesis subplans are open to those students completing the following requirements:

    Applications must be submitted in the **Grad Rebel Gateway**.
    Applicants must have an earned baccalaureate degree from a
    regionally accredited four-year college or university or international

equivalent. 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.

Students interested in the Construction Management concentration must have earned credits in the following subjects or their equivalents with a C (2.00 out of 4) or better grade: MATH 181 - Calculus I PHYS 151/151 L - General Physics I CEM 250/250L - Construction Materials & Methods CEM 270 - Construction Engineering Mechanics - A course in construction or engineering graphics.

Students interested in Transportation Infrastructure Management concentration must have earned credits in the following subjects or their equivalents with a C (2.00 out of 4) or better grade: MATH 181 - Calculus I PHYS 151/151L or 152/152L– General Physics I or II STAT 152 – Statistics.

The above-mentioned deficiency courses required of a student before entering the MSCIM 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 deficiency 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 a Statement of Intent (SOI) with no more than two pages describing the reasons why they wish to earn a MSCIM degree.

Furthermore, the applicant must submit a recent resume (no more than 2 pages).

In addition, two letters of recommendation (LOR) must be submitted by individuals familiar with applicant's knowledge, skills and abilities. It is highly recommended that LOR documents are created using official letterheads (e.g. academic advisor, academic faculty, professional supervisor). Also, applicants must enter professional email addresses of those sending an LOR.

International applicants must meet English proficiency requirements established in the **UNLV Graduate English proficiency page**.

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: Construction Management - Thesis](#)

[Subplan 2: Construction Management -](#)Non-Thesis

[Subplan 3:Transportation Infrastructure Management - Thesis](#)

[Subplan 4:Transportation Infrastructure Management -](#)Non-Thesis

Subplan 1 Requirements: Construction Management - Thesis

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 15

Complete 15 credits by completing all of the following courses.

CEM 651 Construction Estimating	4
CEM 653 Construction Scheduling and Resource Optimization	3
CEM 730 Foundations of Big Data Analytics for Construction Management	3
CEE 609 Engineering Project Management	3
CEE 700 Research Methods in Civil and Environmental Engineering	3

Elective Courses – Credits: 6

Complete at least two of the following courses:

CEM 680 Sustainable Construction	3
CEM 685 Construction Law and Contracts	3
CEM 705 Construction Engineering Management	3

CEM 710 Modular Construction	3
CEM 720 Information and Sensing Technology in Construction	3
CEE 667 Computer Applications in Transportation Engineering	3
CEE 668 GIS Applications in Civil Engineering	3

(Optional) Graduate Internship and Seminar Courses - Credits: 1 - 3

Students that opt to engage in Curricular Practical Training (CPT) must take 1 credit of CEE 792. This course can be taken only once during their studies. However, the credit will not be counted towards the degree.

CEM 798 can be taken to a maximum of three credits. However, the credits will not be counted towards the degree.

CEM 792 Graduate Internship for Master in Construction Management	1
[After] CEM - 798: Construction & Infrastructure Management Seminar	1 - 3

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 tenure-track faculty from the area of expertise chosen for thesis topic.

Students who have credit in CEM 651 and CEM 653 or equivalent courses will select two other courses from the elective courses 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 grade of less than C was earned will not be considered for use toward the degree.
All requirements for the degree 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 as well as apply for graduation up to two semesters prior to completing their degree requirements.
The student must submit and successfully defend their 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: Construction Management - Non-Thesis

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 12

Required Courses – Credits: 12

Complete 12 credits by completing all of the following courses.

CEM 651 Construction Estimating	4
CEM 653 Construction Scheduling and Resource Optimization	3
CEE 609 Engineering Project Management	3
CEM 730 Foundations of Big Data Analytics for Construction Management	3

Elective Courses – Credits: 15

Complete five of the following courses:

CEM 680 Sustainable Construction	3
CEM 685 Construction Law and Contracts	3
CEM 705 Construction Engineering Management	3
CEM 710 Modular Construction	3
CEM 720 Information and Sensing Technology in Construction	3
CEE 667 Computer Applications in Transportation Engineering	3
CEE 668 GIS Applications in Civil Engineering	3

(Optional) Graduate Internship Course - Credits: 1

Students that opt to engage in Curricular Practical Training (CPT) must take 1 credit of CEE 792. This course can be taken only once during their studies. However, the credit will not be counted towards the degree.

CEM 792 Graduate Internship for Master in Construction Management	1

Culminating Experience Course – Credits: 3

CEM - 798: Construction & Infrastructure Management Seminar

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.

In addition to the coursework requirement, 3 credits of Seminar (CEM

798) with the outcome being a professional presentation.

Students who have credit in CEM 651 and CEM 653 or equivalent courses will select two other courses from the elective courses 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 as well as apply for graduation up to two semesters prior to completing their degree requirements.
The student must successfully present their seminar on an appropriate topic collectively decided by the student and their advisor in CEM 798 Seminar course.

Subplan 3 Requirements: Transportation Infrastructure Management - Thesis

Total Credits Required: 30

Course Requirements

Required Courses – Credits: 9

Complete 9 credits by completing all of the following courses.

CEE 609 Engineering Project Management	3
CEE 700 Research Methods in Civil and Environmental Engineering	3
CEE 730 Foundations of Big Data Analytics for Infrastructure Applications	3

Elective Courses – Credits: 12

Complete 12 credits of advisor-approved elective coursework including a minimum of 3 courses from the following list (with at least two 700 level course).

Course	Credits
CEE 661 Introduction to Railroad Transportation	3
CEE 662 Railroad Engineering	3
CEE 663 Traffic Engineering	3
CEE 664 Airport Design	3
CEE 666 Geometric Design of Highways	3
CEE 667 Computer Applications in Transportation Engineering	3
CEE 668 GIS Applications in Civil Engineering	3
CEE 671 Public Transportation Systems	3
CEE 725 Freight Transportation	3
CEE 726 Railroad Operations	3
CEE 727 Transportation Safety	3
CEE 760 Transportation Planning	3
CEE 761 Transportation Demand Analysis	3
CEE 762 Operations Research Applications in Civil Engineering	3
CEE 763 Advanced Traffic Engineering	3
CEE 764 Air Transportation	3

(Optional) Graduate Internship and Seminar Courses - Credits: 1 - 3

Students that opt to engage in Curricular Practical Training (CPT) must take 1 credit of CEE 792. This course can be taken only once during their studies. However, the credit will not be counted towards the degree.

CEM 798 course can be taken to a maximum of three credits. However, the credits will not be counted towards the degree.

Course	Credits
CEE 792 Graduate Internship for Master in Civil Engineering and Transportation	1
[After] CEM - 798: Construction & Infrastructure Management Seminar	1 - 3

Thesis – Credits: 9

Course	Credits
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 faculty of the CEEC Department and the third member can be from a related field. 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 tenured or tenure-track CEEC faculty from the area of expertise chosen for thesis topic.

In addition to CEE 700, CEE 609, and CEE 730, all students must successfully complete a minimum of 12 credits of approved graduate courses.

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 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 as well as apply for graduation up to two semesters prior to completing their degree requirements.

The student must submit and successfully defend their 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 4 Requirements: Transportation Infrastructure Management - Non-Thesis

Total Credits Required: 30

Course Requirements

Required Courses - Credits: 6

Complete 6 credits by completing all of the following courses.

CEE 609 Engineering Project Management	3
CEE 730 Foundations of Big Data Analytics for Infrastructure Applications	3

Elective Courses - Credits: 21

Complete 21 credits of advisor-approved elective coursework including a minimum of 3 courses from the following list (with at least two 700 level course).

CEE 661 Introduction to Railroad Transportation	3
CEE 662 Railroad Engineering	3
CEE 663 Traffic Engineering	3
CEE 664 Airport Design	3
CEE 666 Geometric Design of Highways	3
CEE 667 Computer Applications in Transportation Engineering	3
CEE 668 GIS Applications in Civil Engineering	3
CEE 671 Public Transportation Systems	3
CEE 725 Freight Transportation	3
CEE 726 Railroad Operations	3
CEE 727 Transportation Safety	3
CEE 760 Transportation Planning	3
CEE 761 Transportation Demand Analysis	3
CEE 762 Operations Research Applications in Civil Engineering	3
CEE 763 Advanced Traffic Engineering	3
CEE 764 Air Transportation	3

(Optional) Graduate Internship Course - Credits: 1

Students that opt to engage in Curricular Practical Training (CPT) must take 1 credit of CEE 792. This course can be taken only once during their studies. However, the credit will not be counted towards the degree.

CEE 792 Graduate Internship for Master in Civil Engineering and Transportation	**1**

Culminating Experience Course - Credits: 3

CEM - 798: Construction & Infrastructure Management Seminar

Degree Requirements

The student's Advisor should be tenured or a tenure-track -faculty member of the CEEC Department. An advisory committee is not required.

In addition to CEE 609 and CEE 730, students must complete a minimum of 21 credits of approved graduate courses, and 3 credits of Seminar (CEM 798) with the outcome being a professional presentation.

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 received will not be considered for use toward the degree.

Graduation Requirements

The student must submit all required forms to the Graduate College as well as apply for graduation up to two semesters prior to completing their degree requirements.

The student must successfully present their seminar on an appropriate topic collectively decided by the student and their advisor in CEM 798 Seminar course.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements

[**Subplan 1: Construction Management - Thesis**](#)

[**Subplan 2: Construction Management -**](#) **Non-Thesis**

[**Subplan 3:Transportation Infrastructure Management - Thesis**](#)

[**Subplan 4:Transportation Infrastructure Management -**](#) **Non-Thesis**

Advising and Culminating Experience

With these changes, will students in this program need a Grad Advisory Committee (GAC) formed?
- ● Yes
- ○ No

If yes, please list the applicable subplans that will need a GAC:
Sub plan 1 and 3

With these changes, will students be assigned a faculty advisory prior to GAC formation?
- ● Yes
- ○ No

If yes, please list the applicable subplans that will need an advisor:
Subplans 2 and 4

Comments:

For Master's program only: With these changes, does this program require a prospectus form?
- ● Yes
- ○ No

If yes, please list applicable subplans:
Subplans 1 and 3

With these changes, will the culminating experience be a course?
- ● Yes
- ○ No

If yes, please provide course prefix, number and name:
CEM 798 Graduate Engineering and Construction Seminar for MSCIM Students

With these changes, describe the culminating experience (requirements, if applicable-which subplans will need GACs, forms, etc.):

Subplan 1 and 3 need GAC and the culminating experience course for these subplans will be CEM 797 Research Thesis in Construction Engineering and Management.

The [Degrees Directory](#) provides current and consistent degree information. Submission of this form indicates acknowledgment and understanding that every department is responsible creating and maintaining accurate and updated program information on the UNLV Degrees Directory.

If new courses are added as placeholders within this proposal, new courses must be created using a Course Create form simultaneously to the process of this proposal.

Degrees Directory Program Entry:* ☑ Check this box to acknowledge the above statement.

Changes will be applicable to:*
- ○ Current Students
- ○ New Students
- ◉ Both Current and New Students

If applicable to current students, changes are:* ○ Mandatory   ◉ Optional

If mandatory:*
- ○ If mandatory, I confirm that all students will be notified in writing of these changes as approved by the graduate college
- ◉ Not Mandatory

Effective Date:* `Fall 2022`

READY TO SUBMIT?

After making all your intended changes, please follow these steps:

1. Finish the launch of your proposal by clicking the decisions icon ☑ located to the right of the form. This will display a new decision/approval field on the top right.
2. Click on "approve", add an optional comment if necessary, and then click on the "Make My Decision" button at the bottom to move the proposal forward to the next step. You will see a notification indicating that the proposal has moved forward. You will not be able to edit after moving the proposal forward.
3. Please note that it is your responsibility as the proposer to see that the proposal is reviewed and receives all necessary approvals. Please be encouraged to reach out to reviewers on each step, if necessary.
4. You can check the status of the proposal by clicking on the workflow status icon ☷ to verify that the proposal has gone to the next step.

   The workflow status icon ☷ will also show you the current step of the proposal at any given time, and who are the reviewers at that step.

   QUESTIONS? contact **gradcurriculum@unlv.edu**

III. Department Vote Information

Note: This section is to be filled out by the Department Chair on behalf of the department 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 in the fields below, along with the approval. If Dual or Interdisciplinary: add votes from all departments/colleges involved

3. Then approve/reject by clicking the decisions icon ☑ located to the right of the form. This will display a new decision/approval field on the top right. Click on "approve", add an optional comment if necessary, and then click on the "Make My Decision" button at the bottom to move the proposal forward to the next step. You will see a notification indicating that the proposal has moved forward. You will not be able to edit after moving the proposal forward.

The workflow status icon ☷ will also show you the current step of the proposal at any given time, and who are the reviewers at that step.

If there were any modifications to the proposal, please enter them in the comments box below:

Comments:

Date faculty voted on proposal: 12/07/2021

Result of vote: 10/6/2

Manner of vote: Via Webex Meeting

IV. College Vote Information

Note: This section is to be filled out by the Academic Associate Dean on behalf of the college/school 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 in the fields below, along with the approval. If Dual or Interdisciplinary: add votes from all departments/colleges involved

3. Then approve/reject by clicking the decisions icon located to the right of the form. This will display a new decision/approval field on the top right. Click on "approve", add an optional comment if necessary, and then click on the "Make My Decision" button at the bottom to move the proposal forward to the next step. You will see a notification indicating that the proposal has moved forward. You will not be able to edit after moving the proposal forward.

The workflow status icon will also show you the current step of the proposal at any given time, and who are the reviewers at that step.

Date faculty voted on proposal: 2/9/2022

Result of vote: 4/0/0

Manner of vote: online

V. Graduate College Use Only - Code Request Items

Note: This section is for graduate college use only.

Academic Organization:

Academic Program Code:

Academic Plan Code:

Plan Description (30 chars):

Transcript Description:

Subplan Code:

Subplan Description:

Subplan Type:
- ◯ Track
- ◯ Concentration
- ◯ Option/Dual
- ◯ Embedded/Track

Subplan on Transcript? ◯ YES   ◯ NO

Effective Date and First Term Valid:

Length / Avg. Time to Degree:

CIP code and title:

Other Codes Needed:

Description / implementation field (do not edit)

Comments for Master of Science - Construction and Infrastructure Management

Curriculog	3/2/2022 4:19 pm **Reply**

Emily Lin has approved this proposal on Graduate College Dean.

Gregory Moody	3/2/2022 1:32 pm **Reply**

10-0 in support. WebEx meeting held March 1, 2022

Curriculog	3/2/2022 1:32 pm **Reply**

Gregory Moody has approved this proposal on Graduate Programs Committee.

Curriculog	3/2/2022 1:14 pm **Reply**

Graduate Curriculum has approved this proposal on Graduate Programs Committee.

Curriculog	2/14/2022 9:04 am **Reply**

Mohamed Trabia has approved this proposal on School/College Associate Dean/ Dean.

Melissa Morris	2/9/2022 10:18 am **Reply**

College committee voted to unanimously approve this proposal.

Curriculog	2/9/2022 10:18 am **Reply**

Melissa Morris has approved this proposal on School/College Committee.

Curriculog	2/3/2022 2:33 pm **Reply**

CEEC Chair has approved this proposal on Department Chair.

Curriculog	2/2/2022 5:42 pm **Reply**

CEEC Graduate Coordinator has approved this proposal on Graduate Coordinator.

Curriculog	1/28/2022 11:09 am **Reply**

Graduate Curriculum has approved this proposal on Technical Review.

Curriculog	1/28/2022 9:01 am **Reply**

Graduate Curriculum has force approved this proposal.

Curriculog	1/28/2022 8:59 am **Reply**

CEEC Graduate Coordinator has approved this proposal on Originator.

Curriculog	1/20/2022 9:39 am **Reply**

Graduate Curriculum has force rejected this proposal.

Graduate Curriculum	1/20/2022 9:38 am **Reply**

Moving back to originator for further edits.

Curriculog	1/20/2022 9:38 am **Reply**

Graduate Curriculum has rejected this proposal on Technical Review.

Curriculog	1/5/2022 0:13 am **Reply**

This proposal has passed its deadline and has been approved.

EVP Academic Assessment	1/4/2022 8:17 am **Reply**

The learning outcomes for the two Masters programs cannot be identical. You'll need to add at least one unique learning outcome for each program that relates directly to the individual program's goals. Feel free to email me at lindsay.couzens@unlv.edu for assistance.

Curriculog	1/4/2022 8:17 am **Reply**

EVP Academic Assessment has rejected this proposal on Learning Objectives Notification.

CEEC Graduate Coordinator	1/4/2022 8:02 am **Reply**

The student learning outcomes must be updated.

Curriculog	1/4/2022 8:02 am **Reply**

CEEC Graduate Coordinator has approved this proposal on Originator.

Curriculog	1/3/2022 12:13 pm **Reply**

CEEC Graduate Coordinator has launched this proposal.

Curriculog

CEEC Graduate Coordinator imported from the map 2022-2023 - Working Graduate Catalog into the following proposal fields: I. General Information: Department (s) (if Dual or Interdisciplinary please add all departments):, I. General Information: Degree or Certificate Name:, I. General Information: Degree Type:, I. General Information: Program Type:, II. Program Changes: Proposed Curriculum:, V. Graduate College Use Only - Code Request Items: Description / implementation field (do not edit).