


Master of Science - Quantitative Finance

2 Graduate Program Change 2020-21

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.

Department*

Finance

Degree/ Certificate Name*

Master of Science - Quantitative Finance

Plan Code*

QFXXXXXXMS

Degree Type*

Master of Science

Program Type*

Master's

II. Program Changes

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

Are you changing admission requirements?*

Yes No

Are you changing course requirements? Yes No

Are you changing degree completion requirements? Yes No

Are you changing the primary instructional mode? Yes No

Are you changing program learning objectives? Yes No

If yes, describe changes to learning objectives:

Provide a Brief Summary of Proposed Changes




This proposal is to allow transfer credits for the MSQF degree. The proposed language is as following. "A maximum of 6 credit hours may be transferred into the program if taken recently from an accredited university. Requests for transfer must be evaluated and approved by the MSQF Director after the student is officially admitted."

Provide a rationale for each proposed change

Some students may have take some of the foundational courses before entering the MSQF program. For example, an applicant may have already taken FIN 710 (Investment Strategies) during her MBA study. This proposed change will allow this student to transfer FIN 710 into the MSQF program to fulfill the MSQF degree requirements.

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

Follow these steps to change the program curriculum:

1. Click on  "View Curriculum Schema." Edit existing cores or click 'Add Core' and name your core (please use a comparable degree program in the current graduate catalog as a template). Edit or add any descriptive text (do not add courses until Step 2). Descriptive text is generally used in the following cores: Plan Description, Plan Admission Requirements, Plan Requirements, Plan Graduation Requirements.
2. There are two options for adding courses (see Step 3 to remove courses): "Add Course" and "Import Course." For courses already in the catalog, click on "Import Course" and find the courses needed. For new classes going through a Curriculum Approval Process click on "Add Course"-- a box will open asking you for the Prefix, Course Number and Course Title.
3. Click on  "View Curriculum Schema." Click on the area/header of the program where you would like to add courses. When you click on "Add Courses" it will bring up the list of courses available from Step 2. Select the courses you wish to add. For removing courses click on the  and proceed.

After you have launched proposal, update prospective curriculum here*

Plan Description

The UNLV Lee Business School Master of Science in Quantitative Finance (MSQF) will be a 10-course (30-credit) program that can be finished in 12 months. The program will provide advanced education and training on core finance knowledge and skills at the graduate level, with special emphasis on quantitative methods in finance and new financial technologies. These quantitative methods include mathematical finance theories as well as statistical and computer-program-based techniques to manage and analyze large financial data sets. Examples of finance theories are those related to capital structure, capital budgeting, valuation, stocks, bonds, derivatives, and portfolio management. Examples of empirical quantitative methods are programming and modeling skills using SAS, Stata, Excel, Python etc. to manage and analyze large databases of financial and investment information. Students will be able to choose from a menu of electives to prepare themselves for careers in corporate finance, investment management, and the application of technology to financial applications. The purpose of the program is to prepare successful finance professionals who are capable of utilizing the latest technologies to perform sophisticated financial analysis and management. For more information about your program, including your graduate program handbook and learning outcomes, please visit the Degrees Directory.

Plan Admission Requirements

Application deadlines Applications available on the UNLV Graduate College website. Students must: Meet the general requirements for admission to graduate instruction at the University of Nevada, Las Vegas, as described by the Graduate College. Complete the prerequisite (or equivalent) courses listed below with at least a B grade. Principles of Finance (FIN 301/MBA 765) Financial Accounting (ACC 201/MBA 761) Microeconomics (ECON 102/ECON 302/MBA 769) Two statistics courses (ECON 261 and ECON 262 or ECON 441) Two calculus courses (MATH 181 and MATH 182) or one calculus and one linear algebra course (MATH 181 and MATH 330). ECON 440/640 is an alternate way to satisfy the calculus prerequisite. Students who have not met the prerequisite requirements may be granted conditional admission at the discretion of the department. Conform to regulations outlined by the Graduate College of UNLV regarding the TOEFL or other equivalent certifications of English fluency. Satisfactory GMAT or GRE scores. Preference is given to applicants with GMAT scores above 550 (or the GRE equivalent). Complete the Graduate College application online and submit a nonrefundable admission application fee. Mail official transcripts to the Graduate College. For information on Conditional Admission, please refer to the Admission & Registration section of the Graduate Catalog. 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

Total Credits Required: 30

Course Requirements

Core Courses – Credits: 18

ECO 770 Econometrics I, Statistical Modeling	3
FIN 708 Advance Corporate Finance	3
FIN 710 Investment Management	3
FINQ 761 Corporate Finance Modeling	3
FINQ 762 Investments Modeling	3
FINQ 773 Capstone Project	3

Elective Courses - Credits: 12

ECO 772 Econometrics II	3
[After] FINQ 721 - CFA Level I Prep FINQ 766 - Fintech (Financial Technology) FINQ 781 - Finance Internship FINQ 790 - Finance Independent Study	
FINQ 754 Financial Statement Analysis and Valuation	3
FINQ 757 Special Topics in Corporate Finance	3
FINQ 763 Quantitative Investment Strategies	3
FINQ 764 Derivatives and Risk Management	3
FINQ 765 Fixed Income Securities	3
[After] At Most One Elective from the Following Existing MBA Courses:	
FIN 709 Applied topics in Finance	3
FIN 712 Financial Markets and Institutions	3
FIN 740 Risk Management	3
FIN 750 International Financial Management	3

Degree Requirements

A maximum of 6 credit hours may be transferred into the program if taken recently from an accredited university. Requests for transfer must be evaluated and approved by the MSQF Director after the student is officially admitted. The capstone project will be a group project of 4-5 students working on a company project or research project identified by faculty or the students. All proposed capstone projects will require approval from the program director to ensure that the learning objectives will be met. Groups will meet with the program director on a regular basis to report on the progress of the project and obtain timely feedback. An oral presentation and written report of the project are required. Individual grades will be determined primarily by the group grade. However, group peer evaluations will be conducted to assess individual contributions. In the event of a student not passing the course due to unsatisfactory contribution towards the group work, to satisfy the culminating experience, the student will work on an individual project supervised by the program director. For assessment purposes, a panel of 3-4 Finance faculty members will evaluate the written report and oral presentation of each project using the rubric provided in the assessment plan.

Plan Graduation Requirements

A minimum of 30 credit hours of program course work (excluding prerequisites) is required with an overall GPA of at least 3.00 for the course work that is part of the M.S. Quantitative Finance program. 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 [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 the changes included on this form impact the program handbook attach the updated handbook before submitting this form. If you need a Word version of the most recent handbook please email GradCurriculum@unlv.edu.

**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


Effective Date*

Fall 2020

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.


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 4/1/2020


Result of vote 9 yes; 0 no

Manner of vote Online

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 04/28/2020

Result of vote Yes (5); No (0); Abstain (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

Comments for Master of Science - Quantitative Finance

Gregory Moody	5/5/2020 3:28 pm Reply
WebEx meeting - Vote in favor 14-0	
Curriculog	5/5/2020 3:28 pm Reply
Gregory Moody has approved this proposal on Graduate Programs Committee.	
Curriculog	4/28/2020 4:15 pm Reply
Business Associate Dean has approved this proposal on School/College Associate Dean for Graduate Studies/ Dean.	
Curriculog	4/28/2020 4:14 pm Reply
Business Associate Dean has approved this proposal on School/College Committee.	
Curriculog	4/27/2020 5:58 pm Reply
Kimberly Charron has approved this proposal on School/College Committee.	
Curriculog	4/27/2020 5:54 pm Reply
MBA Director has approved this proposal on School/College Committee.	
Curriculog	4/27/2020 5:41 pm Reply
Gregory Moody has approved this proposal on School/College Committee.	
Curriculog	4/27/2020 4:48 pm Reply
Finance Chair has approved this proposal on Department Chair.	
Curriculog	4/27/2020 1:11 pm Reply
Finance Graduate Program Director has approved this proposal on Graduate Coordinator.	
Curriculog	4/27/2020 12:28 pm Reply
Graduate Curriculum has approved this proposal on Technical Review.	

Curriculog

4/24/2020 4:00 pm [Reply](#)

Jianxin Chi has approved this proposal on Originator.

Graduate Curriculum

4/23/2020 7:44 am [Reply](#)

- Please add and save changes to the schema view of the proposal. This will enable the markup view ("red pencil") on the preview for reviewers.
- Please consider adding such changes to admission requirements, so that students who are applying understand the possibility of transfer.
- Please see attached guide for program change and schema addition.

For assistance please contact gradcurriculum@unlv.edu

Curriculog

4/23/2020 7:44 am [Reply](#)

Graduate Curriculum has rejected this proposal on Technical Review.

Curriculog

4/21/2020 4:57 pm [Reply](#)

Jianxin Chi has approved this proposal on Originator.

Curriculog

4/21/2020 4:56 pm [Reply](#)

Jianxin Chi has launched this proposal.

Curriculog

4/21/2020 4:50 pm [Reply](#)

Jianxin Chi imported from the map 2020-2021 Working Graduate Catalog into the following proposal fields: I. General Information: Department, I. General Information: Degree/ Certificate Name, I. General Information: Plan Code, I. General Information: Degree Type, I. General Information: Program Type, II. Program Changes: After you have launched proposal, update prospective curriculum here, V. Processing Notes (Graduate College/Registrar Use Only): Program Alerts (E.g. This program is no longer accepting applications).