New Program Proposal

Date Submitted: 10/10/19 12:47 pm

Viewing: FINNMS-DGTC: Finance: Finance and Digital Technology

Last edit: 10/15/19 5:24 pm
Changes proposed by: kboston

Submitter: kboston
User ID: kboston
Phone: 575-4622

Program Status: Active
Academic Level: Graduate
Type of proposal: Concentration
Select a reason for this new program: Adding New Concentration
Effective Catalog Year: Fall 2020

College/School Code: Walton College of Business (WCOB)
Department Code: Department of Finance (FINN)
Program Code: FINNMS-DGTC
Degree: Master of Science
CIP Code:

In Workflow
1. WCOB Dean Initial
2. GRAD Dean Initial
3. Director of Program Assessment and Review
4. Registrar Initial
5. Institutional Research
6. FINN Chair
7. WCOB Curriculum Committee
8. WCOB Faculty
9. WCOB Dean
10. Global Campus
11. Provost Review
12. University Course and Program Committee
13. Graduate Committee
14. Faculty Senate
15. Provost Final
16. Provost's Office--Notification of Approval
17. Registrar Final
18. Catalog Editor Final

Approval Path
1. 10/10/19 12:48 pm
   Karen Boston (kboston):
   Approved for WCOB Dean Initial
2. 10/10/19 1:28 pm
   Pat Koski (pkoski):
Approved for GRAD Dean Initial
3. 10/14/19 4:42 pm
   Alice Griffin (agriffin): Approved for Director of Program Assessment and Review
4. 10/14/19 8:30 pm
   Lisa Kulczak (lkulcza): Rollback to WCOB Dean Initial for Registrar Initial
5. 10/15/19 9:23 am
   Karen Boston (kboston): Approved for WCOB Dean Initial
6. 10/15/19 9:31 am
   Pat Koski (pkoski): Approved for GRAD Dean Initial
7. 10/15/19 11:05 am
   Alice Griffin (agriffin): Approved for Director of Program Assessment and Review
8. 10/15/19 5:25 pm
   Lisa Kulczak (lkulcza): Approved for Registrar Initial
9. 10/15/19 8:56 pm
   Gary Gunderman (ggunderm): Approved for Institutional Research
52.0801 - Finance, General.

Program Title
Finance: Finance and Digital Technology

Program Delivery
Method
On Campus
Online/Web-based

Is this program interdisciplinary? No

Does this proposal impact any courses from another College/School?
No

What are the total hours needed to complete the program?

30

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**On-line/Web-based Information**

**Reason for offering**

Web-based Program

To provide an opportunity for students to complete the degree in an online format.

**Maximum Class Size**

20

for Web-based Courses

**Course delivery mode**

<table>
<thead>
<tr>
<th>Method(s)</th>
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<tbody>
<tr>
<td>Online</td>
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**Class interaction mode**

<table>
<thead>
<tr>
<th>Method(s):</th>
</tr>
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<tbody>
<tr>
<td>Electronic Bulletin Boards</td>
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<tr>
<td>E-mail</td>
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<tr>
<td>Chat</td>
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**Percent Online**

100% with No Required Campus Component

**Provide a List of Services Supplied by Consortia Partners or Outsourced Organization**

N/A

**Estimate Costs of the Program over the First 3 Years**

N/A
Program Requirements and Description

Requirements

Core Courses 21
Areas of Concentration 9

Finance and Digital Technology Concentration

Students should select 9 hours from the following list of courses:

- ISYS 5103 Data Analytics Fundamentals *
- ISYS 5133 Blockchain and E Business Development
- ISYS 5173 Blockchain Fundamentals
- ISYS 5453 Blockchain and Enterprise Data

Total Hours 30

* Option to take ISYS 5103 Data Analytics Fundamentals as part of the core. Completing the Finance and Digital Technology concentration will make students eligible for the Enterprise Systems Graduate Certificate; Blockchain Enterprise Systems Track.

Program Costs

No new costs are required for program implementation. Existing resources in Walton will be used. For the new courses, the department has plans to combine courses with slightly different requirements to be able to staff the new course. If the proposed program experiences rapid growth in the number of students, then resource constraints will be re-evaluated in the future. Marketing and recruiting costs for the program will be supported by the College.

Library Resources

N/A

Instructional Facilities

N/A

Faculty Resources

Existing faculty in Finance, Accounting, Information Systems, and Supply Chain Management will teach the courses and the department will be conducting a search this academic year to replace one, existing, full-
List Existing Certificate or Degree Programs that Support the Proposed Program

<table>
<thead>
<tr>
<th>Program(s)</th>
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<tbody>
<tr>
<td>ENTRGC - Entrepreneurship Graduate Certificate</td>
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<tr>
<td>ACCTMA - Accounting, Master of Accountancy</td>
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<tr>
<td>ECONMA - Economics, Master of Arts</td>
</tr>
<tr>
<td>BADMMB - Business Administration, Master of Business Administration</td>
</tr>
<tr>
<td>INSYMI - Information Systems, Master of Information Systems</td>
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Are Similar Programs available in the area?
No

Estimated Student Demand for Program: 10
Scheduled Program Review Date: 2021-2022

Program Goals and Objectives

The Master of Science in Finance is designed for early- to mid-career students who seek advanced education in Finance. The program prepares students to be effective financial management and provide students with cross-functional expertise and focus. In addition to the core courses in Finance, the program includes courses from related disciplines which allow students to specialize in one of four areas: Energy Finance and Risk Management; Finance and Business Analytics; Finance and Digital Technology; and Finance and Supply Chain Management.

Learning Outcomes

The Master of Science in Finance program will guide students through financial modeling and theory to computational practice and cutting-edge tools, providing a thorough training in descriptive, predictive, and prescriptive analytics. Graduates of this program will be armed with a comprehensive knowledge of finance and machine learning methods, optimization, and computing. These finance skills supplemented by “big-data” programming ability will enable our graduates to identify, assess, and seize opportunities for data-driven value creation.
Description and Justification for this request

<table>
<thead>
<tr>
<th>Description of request</th>
<th>Justification for request</th>
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<tbody>
<tr>
<td>A new, 30 hour Masters of Science in Finance with concentrations in Energy Finance and Risk Management, Finance and Business Analytics, Finance and Digital Technology and Finance and Supply Chain Management utilizing existing courses within Finance, Information Systems and Supply Chain Management and other Walton programs is proposed. One new course, FINN 5313, Advanced Commercial Banking, is being developed. This is the proposal for the Finance and Digital Technology concentration.</td>
<td>The proposed program will address the currently unfilled demand for new hires in the financial services industry, corporate finance, real estate, banking, energy, and wealth management/advising. We are aware of the need for large numbers of new hires with graduate degrees in Finance as a result of existing relationships, company visits, and recruiting efforts with companies by Finance Department faculty and staff.</td>
</tr>
</tbody>
</table>

Upload attachments

Reviewer Comments

**Alice Griffin (agriffin) (10/11/19 12:02 pm):** Inserted into program requirements: Students should select 9 hours from the following list of courses, with permission from the submitter.

**Lisa Kulczak (lkulcza) (10/14/19 8:30 pm):** Rollback: The code for this concentration doesn't make sense in light of the name indicated for the concentration. ISYS is currently being used for Information Systems. Please propose a different 4-letter combination for Finance and Digital Technology.