



- PUBLIC
- INDEPENDENT

NEW PROGRAM PROPOSAL FOR ROUTINE REVIEW

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Sponsoring Institution:

Program Title: Supply Chain & Analytics

Degree/Certificate:

If other, please list:

Options:

Delivery Site: University of Missouri – St. Louis – This is a hybrid program

CIP Classification: 52.1301

Implementation Date: 1/1/2021

Is this a new off-site location? Yes No

If yes, is the new location within your institution's current CBHE-approved service region?

**If no, public institutions should consult the comprehensive review process*

Is this a collaborative program? Yes No

**If yes, please complete the collaborative programs form on last page.*

Please list similar or comparable programs at Missouri public institutions of higher education.

**For public institutions only*

Currently, no public institutions of higher education currently offer a graduate-level degree program in this area. The University of Missouri – Columbia currently offers a graduate certificate in this area, but not a full master's degree; further, this certificate does not have an analytics focus and the campus approves of this proposal. Two private institutions currently offer master's degrees in this field, but one does not have a focus on supply chain and the other does not have a focus on analytics. Therefore, this program is unique to our state.

CERTIFICATIONS:

- The program is within the institution's CBHE approved mission. *(public only)*
- The program will be offered within the institution's CBHE approved service region. *(public only)*
- The program builds upon existing programs and faculty expertise
- The program does not unnecessarily duplicate an existing program in the geographically-applicable area.
- The program can be launched with minimal expense and falls within the institution's current operating

budget. (public only)

AUTHORIZATION

Name/Title of Institutional Officer	Signature	Date

PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

Although all of the following guidelines may not be applicable to the proposed program, please carefully consider the elements in each area and respond as completely as possible in the format below.

Quantification of performance goals should be included wherever possible.

1. Student Preparation

- Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.
Students entering the program are recommended to have completed college-level AACSB-accredited courses in Linear Algebra and Probability/Statistics with B or higher.
- Characteristics of a specific population to be served, if applicable.
The target population of the program include: (1) BSBA graduates who would like to pursue a Master’s degree and to land a career in Supply Chain, including Procurement, Logistics, Transportation, Operations, Demand Planning, Supply Chain Risk Management, Business Analytics and Intelligence; (2) Students with undergraduate degrees in other disciplines including Applied Math, Computer Science, Economics, Engineering, etc., who wish to expand their application domain to supply chain and business; (3) Working supply chain professionals who need in-depth knowledge and training in Analytics; and (4) International students who seek advanced degrees in the U.S.

2. Faculty Characteristics

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.
Faculty are required to have a Ph.D. and maintained Scholarly Academics (SA) as defined by the College of Business Administration’s Policy on Faculty Qualifications (for example, a minimum of 5 peer-reviewed journal publications during the prior 5 years is required to maintain SA status).
- Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here.
Greater than 90%

- Expectations for professional activities, special student contact, teaching/learning innovation.
Faculty are expected to proactively participate in teaching-related training and workshops, and the Department’s class speaker program. They are also expected to maintain continuous improvement of their classes through creative teaching and pedagogy.

3. Enrollment Projections

- Student FTE majoring in program by the end of five years.
25
- Percent of full time and part time enrollment by the end of five years.
Full-time: 69%; Part time: 31%

STUDENT ENROLLMENT PROJECTIONS

YEAR	1	2	3	4	5
Full Time	8	15	20	22	25
Part Time	3	7	9	10	11
Total	11	22	29	32	36

4. Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.
Year 3: 11; Year 5: 14 annually
- Special skills specific to the program.
After completing the program, students will be able to:
 - Explain a comprehensive scope of supply chain functions, concepts, their connections and roles in business
 - Grasp all Three-Pillar of Business Analytics: Descriptive, Predictive and Prescriptive methodologies
 - Identify and define supply chain decision questions and problems with business acumen
 - Build analytical models and apply analytical methods for real world supply chain decision-support and applications
 - Present and interpret analysis results and business insights to management
 - Obtain hands-on experience of using state-of-the-art decision-support software for real life supply chain applications
- Proportion of students who will achieve licensing, certification, or registration.
N/A
- Performance on national and/or local assessments, e.g., percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected

results on assessments of general education and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.

N/A

- Placement rates in related fields, in other fields, unemployed.

N/A

- Transfer rates, continuous study.

N/A

5. Program Accreditation

- Institutional plans for accreditation, if applicable, including accrediting agency and timeline. If there are no plans to seek specialized accreditation, please provide rationale.

The Master of Science in Supply Chain Analytics will be an AACSB accredited program as part of our AACSB accredited College of Business Administration. The AACSB review is conducted every five years.

6. Program Structure

A. Total credits required for graduation: 30

B. Residency requirements, if any: N/A

C. General education: Total credits: N/A – Graduate program

Courses (specific courses OR distribution area and credits)

Course Number	Credits	Course Title

D. Major requirements: Total credits: 24

Course Number	Credits	Course Title
SCMA 5300	3	Business Analytics
SCMA 5310	3	Supply Chain Strategy
SCMA 5320	3	Supply Chain & Operations Management
SCMA 6321	3	Strategic Sourcing
SCMA 6330	3	Business Logistics Systems
SCMA 6331	3	Supply Chain Modeling
SCMA 6345	3	Business Analytics and Data Mining
SCMA 6350	3	Prescriptive Analytics and Optimization

E. Free elective credits: 6
(sum of C, D, and E should equal A)

F. Requirements for thesis, internship or other capstone experience: N/A

G. Any unique features such as interdepartmental cooperation:
 The elective courses are structured in four tracks (Supply Chain Management, Information System and Technology, Finance and Marketing) to allow for cooperation between departments in the College of Business Administration.

7. Need/Demand

Student demand – Student demand for these kinds of programs is evidenced by increasing demand in the emphasis area for supply chain as part of the BSBA. Further, interest in supply chain as a field has grown in the wake of COVID-19.

Market demand – St. Louis is well-equipped to foster this program, as the city is a hub for supply chain activity.

Societal demand – COVID-19 has demonstrated the need for supply chain professionals who also have expertise in data analytics. These future-oriented professionals will be able to help progress the field of supply chain as businesses attempt to make sense of a post-COVID landscape.

I hereby certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful.

On July 1, 2011, the Coordinating Board for Higher Education began provisionally approving all new programs with a subsequent review and consideration for full approval after five years.

COLLABORATIVE PROGRAMS

- **Sponsoring Institution One:**
- **Sponsoring Institution Two:**
- **Other Collaborative Institutions:**
- **Length of Agreement:**
- **Which institution(s) will have degree-granting authority?**
- **Which institution(s) will have the authority for faculty hiring, course assignment, evaluation and reappointment decisions?**
- **What agreements exist to ensure that faculty from all participating institutions will be involved in decisions about the curriculum, admissions standards, exit requirements?**
- **Which institution(s) will be responsible for academic and student-support services, e.g., registration, advising, library, academic assistance, financial aid, etc.?**
- **What agreements exist to ensure that the academic calendars of the participating institutions have been aligned as needed?**

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