

(original)

Instructions for Degree/Major Revisions:

- Complete this form when the proposed changes will impact the words, numbers, or symbols as presented in the current catalog copy (often referred to as “changing the footprint of the catalog”). **Changes to Program Admission Requirements and Additional Graduation Requirements** should also be included in this proposal.
- Catalog copy is available at <http://www.fgcu.edu/catalog/>. Scroll down to “Academic Programs” on the left navigation bar. Select Undergraduate Programs. Select the Program. Select “Print Program Details” in the upper right corner. Copy and paste catalog copy into a Word document. Turn on the tracking function (be sure that both additions and deletions appear in the tracking). Update the catalog year and make edits. Save the document as a Word file.
- When the proposed changes are approved by the College Curriculum Team, the College Administrator will send the following to Lucero Carvajal in Academic and Curriculum Support (ACS) no later than **October 31** for review by the University Undergraduate Curriculum Team (UUCT):
 - An electronic MS Word version of the **tracked** catalog via email.
 - A color hard copy of the Degree/Major Revision Proposal with appropriate signatures via campus mail.
 - An electronic MS Word version of a degree curriculum map showing prerequisites and sequencing for all courses via email.
- If changes are for courses only and there is no impact to the catalog copy, this revision form is not necessary. When these “**stand-alone**” courses have been approved by the College Curriculum Team and noted in CMS, the CMS College Administrator should send a list to Lucero Carvajal in ACS. The same October 31 deadline applies.
- All changes to courses are completed via the Curriculum Management System (CMS) <https://midas.fgcu.edu/acadaff/scns/default.asp>
- **Reminder:** The prefix/number for a new course is handled one way in the catalog copy and another in CMS. In the catalog copy, identify a new course with the suggested title, suggested prefix and course level, plus XXX (e.g, ART 4XXX). When final approval for the course prefix/number is received from Statewide Course Numbering System, the catalog copy will be updated. In CMS, a new course is requested by entering the suggested title and suggested prefix/number with no XXX. See instructions in CMS for selecting an appropriate suggested prefix/number.

1. Degree/Major Title:

BS in CIS

2. Contact person: Rajesh Srivastava

College: Lutgert College of Business

Department/School: Information Systems and Operations Management

Telephone: 239-590-7372



3. Briefly describe the proposed revision(s).

A new course TRA 3XXX(155) Supply Chain Management is being introduced into the core curriculum to replace TRA 3151 Operations Management. TRA 3XXX(155) Supply Chain Management as the introductory course in the core aligns with the current Supply Chain Minor and is needed for the Supply Chain Management major being introduced.

4. Effective date: Fall 2019

Changes are effective in the fall of the year. Exceptions are approved only in unusual circumstances with adequate justification.

5. Briefly explain the rationale for the proposed revision.

Link the proposed revision to assessment and institutional effectiveness activities (feedback from students, market demands, program evaluation, resource allocation, etc.). Provide three years of data.

The proposed course will introduce material needed for the Supply Chain Management major. The course content will align better than the existing TRA 3151 Operations management course..

6. Describe additional library resources needed to support this revision? Explain rationale for response, even if answer is None.

None: no additional library resources are needed for this course

7. Describe additional faculty resources needed to support this revision? Explain rationale for response, even if answer is None.

None. The course replaces an existing course in the core curriculum. The same number of classes will be offered as before.

8. Describe additional technology, facility, laboratory, or other resources needed to support this revision? Explain rationale for response, even if answer is None.

None: The course replaces an existing course with the same resources needed as before.

9. What impact will the proposed revision have on other colleges, units, or programs?

Please search current online catalog to determine if other colleges, units, or programs use courses that are part of this proposal and need to be notified of any changes.

The course is a core course in all business majors in the Lutgert College of Business. All majors will be required to revise their curriculum to reflect this change.

10. New courses:

No new courses are required.

New courses are needed. List prefix/number/title below. Complete a Course Add Form for each from the Curriculum Management System - <https://midas.fgcu.edu/acadaff/scns/>.

The new course has been added as TRA 3XXX(155) Supply Chain Management

11. Change to existing courses:

No existing courses are being changed.

Existing courses are being changed. List prefix/number/title below. Complete a Course Change Form for each from the Curriculum Management System - <https://midas.fgcu.edu/acadaff/scns/>.

12. Termination of existing courses:

No existing courses are being deleted from the FGCU course inventory.

Courses are being terminated. List prefix/number/title below. Complete a Course Terminate Form for each course from the Curriculum Management System - <https://midas.fgcu.edu/acadaff/scns/>.

The existing core course, TRA 3151, which is being replaced by TRA 3XXX(155), is being deleted from the program curriculum.

13. What impact will the proposed revision have on the progression or sequencing of courses in this degree program?

There is no impact on the progression or sequencing of courses in this degree program since one course is being replaced with another in the same sequence.

What impact will the proposed revision have on the progression or sequencing of courses in this degree program for current students?

see email from Dr. Nakatani

No impact. The core course will be offered as TRA 3XXX(155) instead of offering TRA 3151. It will remain the same in terms of progression and sequencing.

- 14. Catalog copy:
See Instructions above.
- 15. Additional remarks:

APPROVALS (required prior to submission)

Department/Program Chair/Director *Riverton* Date 5/31/18
 College Curriculum Committee Chair *Ky M...* Date 5/31/2018
 College Dean *N...* Date 5/31/18

Does another department or unit provide related expertise or offer similar courses? No Yes (If yes, have the other department complete the following. Attach a separate sheet if needed.)

Department/Unit: _____
 Supports this proposal Does not support this proposal Defers Recommendation

Authorizing signature: _____ Date _____
 Comments: _____

Computer Information Systems (B.S.) ~~20182019-2019-2020~~ Catalog Year

Lutgert College of Business

Department of Information Systems and Operations Management

Website: <https://www2.fgcu.edu/CoB/cisbs/index.asp>
(239) 590-7302

Concentrations

- o Computer Programming Concentration

 [Print Program Details](#)

The B.S. in Computer Information Systems (CIS) prepares students for IS development and support careers in business and government. Graduates of this program are not only technically competent, but understand how to use information technology to facilitate business success. Courses include projects designed to enhance critical thinking, oral and written communications, and teamwork skills. Students are introduced to ethical and global issues via the study of CIS business cases. Typical employment for graduates includes systems analysis, system administration, and application or web development.

Progression And Additional Graduation Requirements

Degree-seeking students are classified as pre-majors prior to formal transition into a LCOB major. As pre-majors, students may enroll in lower level (1000-2999) courses to satisfy general education and common prerequisite requirements; lower level electives; and business common core courses, except GEB 4890, if course prerequisites are met. Pre-majors may not enroll in upper level (3000-4999) courses for the major.

Transition from a LCOB pre-major to a major happens following (a) completion of all common prerequisites with a minimum grade of C or higher in each course; and (b) completion of 50 earned hours of courses with a minimum GPA of 2.0.

For timely degree completion, FTIC (First Time in College) students are expected to complete the following:

- MAC 1105 with a minimum grade of B (or relevant accelerated credit or placement exam) or MAC 1147 with minimum grade of B (or relevant accelerated credit or placement exam)(for programming concentration), ECO 2023 or ECO 2013 with minimum grade of C, one additional common prerequisite, and an overall 2.4 FGCU GPA within one calendar year from admission.
- Four common prerequisites by the end of the third semester (excluding summer) from admission
- Seven common prerequisites and an overall 2.7 FGCU GPA by the end of the fourth semester (excluding summer) from admission
- ISM 3230 with minimum grade of C or COP 2006 with minimum grade of C (for Programming concentration) by the end of the fifth semester (excluding summer) from admission
- FIN 3403 with minimum grade of C by the end of the sixth semester (excluding summer) from admission

For timely degree completion, transfer students are expected to complete the following:

- Seven common prerequisites and an overall 2.7 FGCU GPA by the end of the third semester (excluding summer) from admission
- ISM 3230 with minimum grade of C or COP 2006 with minimum grade of C (for Programming concentration) by the end of the fourth semester (excluding summer) from admission
- FIN 3403 with minimum grade of C by the end of the fifth semester (excluding summer) from admission

Students should refer to the Curriculum Map for milestone information. Curriculum maps for each major can be found at <https://www2.fgcu.edu/cob/>.

In addition to the program requirements, students must:

- Earn a grade of C or higher in the common prerequisites, business common core, required courses in the major, and restricted electives.
- Complete a minimum of 120 credits with at least 48 hours at the upper division (3-4000 level).

- Complete the last 30 credits of business courses at FGCU.
- Complete a minimum of 12 credits of courses in the major at FGCU.
- Earn a minimum cumulative GPA of 2.0 for all coursework attempted at FGCU.
- Satisfy college-level skills and foreign language entrance requirements.
- Satisfy service learning requirement. See www.fgcu.edu/connect/.
- Complete the standardized business knowledge assessment exam administered during the last semester in GEB 4890 Business Strategy.

Program Requirements

For this major, common prerequisite courses with an asterisk (*) require prior knowledge and skills demonstrated through degree acceleration programs (e.g., the College Board's Advanced Placement Program [AP], International Baccalaureate Program [IB], College-Level Examination Program [CLEP], Advanced International Certificate of Education Program [AICE]); dual enrollment; placement exam; or college coursework as noted below:

For MAC 2233, complete MAC 1105 with a minimum grade of B. For MAC 1105, complete MAT 1033 with a minimum grade of C.

1. **FGCU General Education Program** (https://www2.fgcu.edu/general_education/)
To prevent or minimize excess hours, select general education courses that satisfy common prerequisite requirements for your intended major.

2. **Common Prerequisites**

For this major, common prerequisite courses with an asterisk (*) require prior knowledge and skills demonstrated through degree acceleration programs (e.g., the College Board's Advanced Placement Program [AP], International Baccalaureate Program [IB], College-Level Examination Program [CLEP], Advanced International Certificate of Education Program [AICE]); dual enrollment; placement exam; or college coursework.

FGCU Course: ACG 2021 Intro to Financial Acctg. (3) Minimum grade of C
Acceptable Substitute: ACGX021 or ACGX022 or (ACGX001 and ACGX011)

FGCU Course: ACG 2071 Intro to Managerial Acctg.(3) Minimum grade of C
Acceptable Substitute: ACGX071 or ACGX301

FGCU Course: CGS 1100 Computer Software and Technology (3) Minimum grade of C
Acceptable Substitute: CGSX100 or CGSX100C or CGSX530 or CGSX570 or CGSX060 or CGSX531 or CGSX000 or ISMX000 or CGSX518
(Note: Select COP 1500 Introduction to Computer Science for Computer Programming Concentration)

FGCU Course: ECO 2013 Principles of Macro Economics (3) Minimum grade of C
Acceptable Substitute: ECOX013

FGCU Course: ECO 2023 Principles of Micro Economics (3) Minimum grade of C
Acceptable Substitute: ECOX023

FGCU Course: *MAC 2233 Elementary Calculus (3) Minimum grade of C
Acceptable Substitute: MACX233 or MACX230 or MACX311
[Prerequisites of MAT 1033 minimum grade of C then MAC 1105 minimum grade of B; or relevant accelerated credit; or placement exam]

FGCU Course: STA 2023 Statistical Methods (3) Minimum grade of C
Acceptable Substitute: STAX023 or STAX122 or QMBX100

3. **Business Common Core (27 credits)**

- BUL 3130 Legal & Ethical Enviro of Bus (3)
- FIN 3403 Business Finance (3)
- ISM 3011 Information Systems (3)
- MAN 3025 Principles of Management (3)
- MAR 3023 Introduction to Marketing (3)
- GEB 4890 Business Strategy (capstone) (3)
- ENC 3250 Professional Writing (3) or GEB 3523 Critical Thinking for Business (3)
- SPC 2023 Public Speaking (3)

[TRA 3151 Operations Management \(3\)](#), [TRA 3XXX\(155\) Supply Chain Management \(3\)](#)

4. Required Courses in the Major (18 credits)

ISM 3053 Mobile App Development (3)
ISM 3113 Systems Analysis & Design (3)
ISM 3212 Database Concepts & Admin (3)
ISM 4323 Network Security (3)
ISM 4154 Info Systems Integration (3)
QMB 3302 Business Analytics (3)

5. Restricted Electives/Concentration (9-13 credits)

Select one of the following groupings:

6.

1. Restricted Electives (No concentration noted on transcript)
ISM 3230 Intro Business Programming (3)

Select an additional 6 credits of approved upper division (3-4000 level) electives in Computer Information Systems from the following list: 3220; 3232; 3400; 4094; 4332; 4905; 4930; 4941. (Other 3-4000 level courses with a Computer Information Systems focus may be considered to meet the elective requirement - see LCOB advisor.)

2. Computer Programming Concentration:
MAC 2312 Calculus II (4)
COP 2006 Introduction to Programming (3)
COP 2001 Programming Methodology (3)
COP 3003 Object-Oriented Programming (3)

7. University Requirements (3 credits)

IDS 3920 University Colloquium (3)

8. Additional Electives - as needed to reach total credits required for the degree

TOTAL CREDITS REQUIRED: 120

Stanis, Melanie

Email re: TRA 3151

From: Srivastava, Dr Rajesh
Sent: Thursday, August 30, 2018 1:27 PM
To: Nakatani, Dr Kazuo; Stanis, Melanie
Cc: Carvajal, Lucero
Subject: RE: question about TRA courses

Kazuo is correct. We will replace TRA 3151 with TRA3155, however, to ensure that for any students who have already taken TRA 3151, or have been approved transfer credit for it, that they are not affected. We make a note in the scheduling of courses that TRA 3155 replaces TRA 3151. This is the approach that we used when TRA 3151 replaced MAN3504 some years back.

Thanks

Raj

Rajesh Srivastava, Ph.D.
Professor of Supply Chain Management
Chair, Department of Information Systems & Operations Management
Lutgers College of Business
Florida Gulf Coast University
Ft. Myers, FL 33965
Tel: 239.590.7372
e-mail: rsrivast@fgcu.edu

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From: Nakatani, Dr Kazuo
Sent: Thursday, August 30, 2018 9:42 AM
To: Stanis, Melanie <mstanis@fgcu.edu>; Srivastava, Dr Rajesh <rsrivast@fgcu.edu>
Cc: Carvajal, Lucero <icarvajal@fgcu.edu>
Subject: Re: question about TRA courses

My understanding is that we will not offer the two courses simultaneously. For the old catalog students, we put TRA 3155 will substitute TRA 3151 on the schedule or something like that.

Best,
Kazuo Nakatani

On Aug 30, 2018, at 9:33 AM, Stanis, Melanie <mstanis@fgcu.edu> wrote:

OK. I will make a small note on the materials to indicate there is no delete form expected for TRA 3151.

Are both TRA 3155 and TRA 3151 planned to be offered simultaneously? If yes, the college may want to prepare to ensure that students register for the appropriate course. (For example, how will students in old and new catalogs be advised or students who took TRA 3151 and now need to repeat for grade forgiveness?)

Thanks again,

Mrs. Melanie Stanis
Coordinator, Academic Programs and Curriculum Systems
Office of Academic and Curriculum Support

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From: Nakatani, Dr Kazuo
Sent: Thursday, August 30, 2018 9:13 AM
To: Stanis, Melanie <mstanis@fgcu.edu>
Cc: Carvajal, Lucero <lcavajal@fgcu.edu>
Subject: Re: question about TRA courses

No. We will keep TRA3151 for a few years to be safe and then delete it.
Best,

Kazuo Nakatani, Ph.D.

Computer Information System, Lutgert College of Business, Florida Gulf Coast University, Fort Myers, FL 33965

239-590-7364

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From: Stanis, Melanie
Sent: Thursday, August 30, 2018 9:02:59 AM
To: Nakatani, Dr Kazuo
Cc: Carvajal, Lucero
Subject: question about TRA courses

Hi Kazuo,

The Add form for TRA 3155 and the corresponding materials mention that TRA 3155 is intended to replace TRA 3151. Will there be a Delete form created in CMS for TRA 3151?

Thank you,

Mrs. Melanie Stanis
Coordinator, Academic Programs and Curriculum Systems
Office of Academic and Curriculum Support

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