

PROPOSAL SUMMARY AND ROUTING FORM

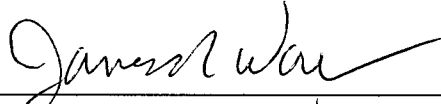
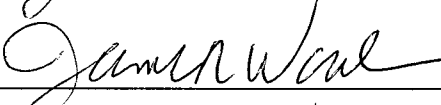
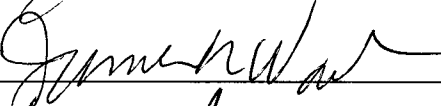
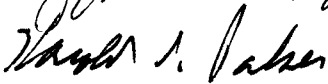
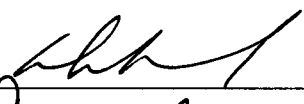


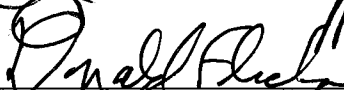
Proposal Title: Create Advanced Studies Certificate in Business Intelligence & Informatics

Initiating Unit or Individual: AFIS

Contact Person's Name: Greg Gogolin e-mail: gogoling@ferris.edu phone: x3159

Date or Semester of Proposal Implementation: Spring '09

- Group I - A – New degree/major or major, or redirection of a current offering
- Group I - B – New minors or concentrations
- Group II - A – Minor curriculum clean-up and course changes
- Group II - B – New Course
- Group III - Certificates
- Group IV – Off-Campus Programs

Group/Individual	Signature	Date	Vote/Action *
Program Faculty		9/18/07	3 Support 0 Support with Concerns 0 Not Support
Department Faculty		9/18/07	19 Support 0 Support with Concerns 0 Not Support
Department Head		9/18/07	X Support Support with Concerns Not Support
College Curriculum Committee		2/15/08	8 Support 0 Support with Concerns 0 Not Support
Dean		3/4/08	Support Support with Concerns Not Support
University Curriculum Committee		3/16/08	✓ Support 6-0 Support with Concerns Not Support
Senate		4/18/08	✓ Support Support with Concerns Not Support
Academic Affairs		4/21/08	Support Support with Concerns Not Support

* Support with Concerns or Not Support must include a list of concerns.

To be completed by Academic Affairs		
<hr/> President (Date Approved)	<hr/> Board of Trustees (Date Approved)	<hr/> President's Council (Date Approved)

1. Proposal Summary

The Master of Science in Nursing (MSN) program has an Informatics specialization that is comprised of existing Master of Science in Information Systems Management (MS-ISM) courses. Students in this specialization have asked for the creation of an Informatics certificate. Because the specialization already exists, no new courses are required for this proposal. Because of the intensive data and analysis nature of this certificate, it may also be an attractive option for MBA students.

In recent years the MS-ISM program has reduced the number of certificate offerings and not replaced them with new offerings or options to attract students. This is the first effort to provide options that are needed in industry and are attractive to students.

Certificates in the MS-ISM program have been very popular. Over 250 students obtained the e-Business certificate in the 2000-2003 timeframe. Most of these certificate students translated into full-time MS-ISM students. While the MS-ISM program has seen recent enrollment growth, the faculty would like to see enrollment continue to grow. Advanced studies certificates were a strategy that worked in the past, but the program moved away from it. This is a return to a formerly successful strategy.

2. Summary of All Course Action Required*

Create advanced studies certificate in business intelligence and informatics.

a. Newly Created Courses to FSU:

Prefix	Number	Title
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b. Courses to be Deleted From FSU Catalog:

Prefix	Number	Title
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c. Existing Course(s) to be Modified:

Prefix	Number	Title
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d. Addition of existing FSU courses to program

Prefix	Number	Title
MISM	610	Database Administration
MISM	740	Business Intelligence
MISM	665	Management Information Systems

e. Removal of existing FSU courses from program

Prefix	Number	Title
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*Contact Senate Secretary or UCC Chair if spaces for additional courses are needed.

CURRICULUM CONSULTATION FORM

To be completed by each department affected by the proposed change, new degree, new program, new minor, or new course. Potential duplication of coursework is reason for consultation.

1. This form, with the first six blanks filled in, should be forwarded with the proposal to the chair/head of the affected department.
2. The affected department must respond within 20 calendar days of receipt of this form to insure inclusion in the final proposal. The completed form is returned to the initiator and inserted into the proposal. Failure to respond is interpreted as support for the proposal.
3. The Proposing Department must respond to any concerns by the affected department. This response will be in writing and be included in the proposal following the consultation form.

RE: Proposal Title: Create Advanced Studies Certificate in Business Intelligence & Informatics

Initiator(s): CBGP

Proposal Contact: Greg Gogolin Date Sent: 09/17/07

Department: CBGPCampus Address: IRC 212g
(Please print)

Responding Department : University Graduate and Professional Council

Chair/Head/Coordinator: [Signature] Date Returned: 2/12/08

Based upon department faculty review on 2/12/08 (date), we

- Support the above proposal.
- Support the above proposal with the modifications and concerns listed below.
- Do not support the proposal for the reasons listed below.

CURRICULUM CONSULTATION FORM

To be completed by each department affected by the proposed change, new degree, new program, new minor, or new course. Potential duplication of coursework is reason for consultation.

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RE: Proposal Title: Create Advanced Studies Certificate in Business Intelligence & Informatics

Initiator(s): CBGP

Proposal Contact: Greg Gogolin **Date Sent:** 09/17/07

Department: CBGPCampus **Address:** IRC 212g
(Please print)

Responding Department : College of Education – Nursing MSN

Chair/Head/Coordinator: _____ Date Returned: _____

Based upon department faculty review on ____ (date), we

- Support the above proposal.
- Support the above proposal with the modifications and concerns listed below.
- Do not support the proposal for the reasons listed below.

CURRICULUM CONSULTATION FORM

To be completed by each department affected by the proposed change, new degree, new program, new minor, or new course. Potential duplication of coursework is reason for consultation.

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RE: Proposal Title: Create Advanced Studies Certificate in Business Intelligence & Informatics

Initiator(s): CBGP

Proposal Contact: Greg Gogolin **Date Sent:** 09/17/07

Department: CBGPCampus **Address:** IRC 212g
(Please print)

Responding Department : College of Business – MBA

Chair/Head/Coordinator: [Signature] **Date Returned:** 3-5-08

Based upon department faculty review on ____ (date), we

- Support the above proposal.
- Support the above proposal with the modifications and concerns listed below.
- Do not support the proposal for the reasons listed below.

FLITE SERVICES CONSULTATION FORM

To be completed by the liaison librarian and approved by the Dean of FLITE. All returned forms should be included in the proposal. **FLITE must respond within 20 calendar days of receipt of this form to insure that the form is included in the final proposal.**

FAILURE TO RESPOND IS CONSIDERED AS SUPPORT OF THE CHANGE.

RE: Proposal Title: New Informatics Certificate *Advanced Studies Certificate in Business Intelligence + Informatics*

Projected number of students per year affected by proposed change: 30

<p>Initiator(s): <u>ISM</u></p> <p>Proposal Contact: <u>Greg Gogolin</u> Date Sent: <u>10/26/7</u></p> <p>Department: <u>AFIS</u> Campus Address: <u>IRC212G</u> (Please print)</p>

<p>Liaison Librarian Signature: <u><i>[Signature]</i></u> Date: <u>10-31-07</u></p> <p>Dean of FLITE Signature: <u><i>[Signature]</i></u> Date Returned: <u>10/31/07</u></p>
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Based upon our review on 10/30/07 (date), FLITE concludes that:

- Library resources to support the proposed curriculum change are currently available.
- Additional Library resources are needed but can be obtained from current funds.
- Support, but significant additional Library funds/resources are required in the amount of \$_____.
- Does not support the proposal for reasons listed below.

Comment regarding the impact this proposal will have on library resources, collection development, programs, etc. Use additional pages if necessary.

Ferris State University – College of Business
 ACCOUNTING, FINANCE, AND INFORMATION SYSTEMS DEPARTMENT

Advanced Studies Certificate in Business Intelligence & Informatics – 12 Credits

NAME: _____ Student ID# _____ Program _____

ASSN - ADVANCED STUDIES CERTIFICATE IN Business Intelligence & Informatics – 12 Credits

The *Business Intelligence & Informatics* certificate is designed to prepare individuals with both theoretical and practical experience in designing, developing and utilizing database and informatics systems, tools and techniques in a decision support environment.

COURSE #	TITLE	CREDITS	TERM	GRADE
MISM 610	Database Administration	3		
MISM 665	Management Information Systems	3		
MISM 740	Business Intelligence	3		
MISM xxx	Technical MISM elective (advisor approval required)	3		
SUBTOTAL		12		

NOTE: No more than 50% of the credits in this certificate may be transferred from another institution, nor will this certificate be granted if more than 50% of the certificate credits are specifically required in the students major.

For more information, please contact the College of Business Graduate Programs Secretary or A.F.I.S. Department Head in College of Business room Bus 212, or phone (231) 591-2168.

NOTICE REGARDING WITHDRAWAL, RE-ADMISSION AND INTERRUPTION OF STUDIES

Students who return to the university after an interrupted enrollment (not including summer semester) must normally meet the requirements of the certificate which are in effect at the time of their return, not the requirements which were in effect when they were originally admitted.

NOTE: Successful completion of the Advanced Studies in Business Intelligence & Informatics requires a 3.0 cumulative GPA, and no course grade less than a 2.0.

Student Name: _____ Student ID: _____ Date: _____

Management Department Approval: _____ Date: _____

(To receive this certificate, you must request a certificate clearance from the Graduate Programs Secretary in Bus 212C)

Business Intelligence & Informatics End of Certificate Outcomes and Assessment Plan

Business Intelligence & Informatics End of Certificate Outcomes

The overall objective of the Business Intelligence & Informatics certificate is to develop understanding and skills in a variety of corporate and governmental settings.

Students who complete the certificate will possess the ability to:

Core Courses

- Research, assess, and develop strategies for information systems delivery..
- Utilize the Information Systems Life Cycle to develop and deploy an information system.
- Research and evaluate the impact of management information systems in an organizational setting.
- Recognize the potential for multiple explanations for events and information and be able to analyze and describe the accuracy of the information.
- Develop and understanding of the complexity of the business intelligence environment.
- Demonstrate and understanding of data warehouse design.
- Develop skills to interrogate data warehouses for key metric data and demonstrate appropriate decision making.
- Demonstrate skills in database management including design, security, backup/recovery, establishing standards and procedures.

Electives

- Demonstrate knowledge of concepts and methodologies of the chosen elective area.

Business Intelligence & Informatics Assessment Plan

Direct Measures

- 1) Portfolio review: Students will compile a portfolio of projects, accomplishments, tools and techniques.
- 2) A portion of the courses in the certificate will have pre and post testing.
- 3) Projects within the certificate provide opportunities to assess competence using writing samples, case studies and project outputs.

An additional measure that will be tracked and possibly added to this is the student success rate on various external examinations. An example would be Comptia certifications.

Indirect Measures

Indirect measures that will be tracked include:

Measure	Data source/location
Student grades/GPA	Banner (Oracle)
SAI	Program/Dean's office
Faculty recognitions, certifications, publications, presentations, professional development, grants/gifts in kind, and service.	Vita's, Sedona
Faculty-student ratios	Banner (Oracle)

Program Measures

An advisory board will convene yearly to review ISM program and certificate direction. This board will consist of information security and intelligence professionals, as well as other individuals that can make a contribution.

As a Ferris degree program, the academic review process will also provide opportunity for program evaluation.