

Revised 7/23/07

PROPOSAL SUMMARY AND ROUTING FORM

Proposal Title: Computer Information Systems - Associate Degree

Initiating Unit or Individual: AFIS DEPARTEMNT

Contact Person's Name: CLYDE HARDMAN e-mail: hardmanc@ferris.edu phone: 231-591-2822

Date or Term of Proposal Implementation: Fall 2010

- Group I - A – New degree/major or major, redirection of a current offering, or elimination of a degree, major or minor
- 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	<i>Clyde Hardman</i>	11/17/09	8 Support 0 Support with Concerns 0 Not Support
Department Faculty	<i>James N. Wear</i>	11/17/09	16 Support 1 Support with Concerns 0 Not Support
Department Head	<i>James N. Wear</i>	2/8/10	Support Support with Concerns Not Support
College Curriculum Committee	<i>Antia Fagerman</i>	2/23/10	7 Support 0 Support with Concerns 0 Not Support
Dean	<i>[Signature]</i>	2/23/10	Support Support with Concerns Not Support
University Curriculum Committee	<i>[Signature]</i>	4/19/10	Support 8-0 Support with Concerns Not Support
Senate	<i>Richard Luffinger</i>	4/19/10	Support Support with Concerns Not Support
Academic Affairs	<i>[Signature]</i>	4/22/10	Support Support with Concerns Not Support

* Support with Concerns or Not Support must include a list of specific concerns. Votes must be shown for faculty groups. Administrators check appropriate action taken.

To be completed by Academic Affairs

President (Date Approved)

Board of Trustees (Date Approved)

President's Council (Date Approved)

VPAA
APR 19 2010
PROVOST

1. Proposal Summary

The associate degree in Computer Information System degree changes are being made so we can build in an assessment component into the program. The current program allows students to customize the degree and select 24 credits of ISYS courses giving them flexibility to take any ISYS courses. We have repackaged the degree to include a core of 12 credits hours for all students and giving each student a choice of three concentrations. (Systems Support, Programming, and pre-approved custom concentration) This will give us the opportunity to build in assessment at the Core level and within each concentration. Also, each concentration will allow the student to easily transfer into one of our 4 year degrees either Computer Information Systems or Computer Information Technology. No new courses have been developed or changes in current courses was needed to implement these changes.

2. Summary of All Course Action Required*

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
CITS	150	A+ Certifications 1
CITS	160	A+ Certifications 2
CITS	250	Windows Client Administration
CITS	255	Windows Server Environment
CITS	260	Windows Server Infrastructure

ISYS	288	Web Application Development
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e. Removal of existing FSU courses from program

Prefix	Number	Title
ISYS	220	Introduction to COBOL Programming
ISYS	265	Midrange Online Program Development
ISYS	270	Fundamentals of Hardware & Operating Systems
ISYS	277	Linux Network Administration
ISYS	304	Advanced Visual Basic Programming
ISYS	310	Novell Network Administration
ISYS	325	Networking Essentials
ISYS	330	Systems Analysis & Design

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

3. Summary of All Consultations

Form Sent (B or C)	Date Sent	Responding Dept.	Date Received & by Whom
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None needed!!

4. Will External Accreditation be Sought? (For new programs or certificates only)

_____ **Yes** XXX **No**

If yes, name the organization involved with accreditation for this program.

5. Program Checksheets affected by this proposal.

NONE

FERRIS STATE UNIVERSITY -- COLLEGE OF BUSINESS
ACCOUNTANCY, FINANCE & INFORMATION SYSTEMS DEPARTMENT
ASSOCIATE IN APPLIED SCIENCE DEGREE
COMPUTER INFORMATION SYSTEMS (60/61 CREDITS)

FORM D CURRENT

NAME: _____ **ID#:** _____

COMMUNICATION COMPETENCE -- 9 Credits Required							
REQUIRED	COURSE TITLE WITH PREREQUISITES SHOWN IN BRACKETS ()			S.H.	GRADE	G.R. PTS.	
COMM	121	Fundamentals of Public Speaking (None)			3		
ENGL	150	English 1 (ENGL 074 with C- or better or 14 ACT or 370 SAT)			3		
ENGL	250	English 2 (ENGL 150 with C- or better)			3		

SCIENTIFIC UNDERSTANDING -- 3 Credits Required							
<i>Consult the Ferris Web site: www.ferris.edu/htmls/academics/gened/scicourses.html for approved courses</i>							
REQUIRED	COURSE TITLE WITH PREREQUISITES SHOWN IN BRACKETS ()			S.H.	GRADE	G.R. PTS.	
		Scientific Understanding with Lab			3/4		

QUANTITATIVE SKILLS -- 3 Credits Required							
REQUIRED	COURSE TITLE WITH PREREQUISITES SHOWN IN BRACKETS ()			S.H.	GRADE	G.R. PTS.	
MATH	115	Intermediate Algebra (MATH 110 with C- or better or 19 ACT or 460 SAT) NOTE: If Math ACT of 24+, free elective			3		

CULTURAL ENRICHMENT -- 3 Credits Required							
REQUIRED	COURSE TITLE WITH PREREQUISITES SHOWN IN BRACKETS ()			S.H.	GRADE	G.R. PTS.	
PHIL	216	Introduction to Ethics (None)			3		

ADDITIONAL GENERAL EDUCATION -- 3 Credits Required							
REQUIRED	COURSE TITLE WITH PREREQUISITES SHOWN IN BRACKETS ()			S.H.	GRADE	G.R. PTS.	
PHIL	217	Introduction to Logic (None)			3		

PROFESSIONAL BUSINESS COMPONENT -- 15 Credits Required							
REQUIRED	COURSE TITLE WITH PREREQUISITES SHOWN IN BRACKETS ()			S.H.	GRADE	G.R. PTS.	
ECON	221	Macro Economics (MATH 110 w/C- or better or 19 ACT or 460 SAT)			3		
		SOCIAL AWARENESS					
ACCT	201	Principles of Accounting 1 (Math 110 with C- or better or 19 ACT or 460 SAT)			3		
STQM	260	Introduction to Statistics (MATH 115 or 116 or 117 or 24 ACT or 560 SAT)			3		
BLAW	321	Contracts and Sales (None)			3		
MKTG	321	Principles of Marketing (Sophomore status or higher)			3		

COMPUTER INFORMATION SYSTEMS MAJOR -- 24 Credits Required -- Select From List Below						
ISYS	COURSE TITLE WITH PREREQUISITES SHOWN IN BRACKETS ()			S.H.	GRADE	G.R. PTS.
110	Fundamentals of Computer Information Systems (ISYS 105 or demonstrated competency)			3		
200	Database Design & Implementation (ISYS 105 or demonstrated competency)			3		
204	Visual Basic Programming (ISYS 105 or demonstrated competency)			3		
216	Introduction to Java Programming (MATH 115 w/C or better or 24 ACT or 560 SAT & ISYS 110)			3		
220	Introduction to COBOL Programming (MATH 115 w/C or better or 24 ACT or 560 SAT & ISYS 110)			3		
265	Midrange Online Program Development (ISYS 110)			3		
270	Fundamentals of Hardware & Operating Systems (None)			3		
277	Linux Network Administration (ISYS 105 or demonstrated competency)			3		
304	Advanced Visual Basic Programming (ISYS 204)			3		
305	Software Systems (ISYS 105 or demonstrated competency)			3		
307	Microsoft Network Administration (ISYS 105 or demonstrated competency)			3		
310	Novell Network Administration (ISYS 105 or demonstrated competency)			3		
316	Advanced Java Programming for Web Development (ISYS 216 or ECNS 311)			3		
325	Networking Essentials (ISYS 105 or demonstrated competency)			3		
330	Systems Analysis & Design (ISYS 200 & ISYS 216)			3		

NOTICE REGARDING WITHDRAWAL, RE-ADMISSION AND INTERRUPTION OF STUDIES

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

NOTICE REGARDING GPA REQUIREMENTS

Students must maintain a 2.0 Cumulative GPA in all FSU courses, a 2.0 GPA in the Business Core, and a 2.0 GPA in the CIS Major.

NOTICE REGARDING ISYS 105 & MATH 115 REQUIREMENTS

CIS students must be able to demonstrate competency in ISYS 105 topics or take ISYS 105, and be proficient in MATH 115 (or greater).

Effective: 8/30/2004 (printed 3/25/2004) Administratively revised Spring '08; revised Spring '09

FERRIS STATE UNIVERSITY – COLLEGE OF BUSINESS
 ACCOUNTANCY, FINANCE & INFORMATION SYSTEMS DEPARTMENT
 ASSOCIATE IN APPLIED SCIENCE DEGREE
 COMPUTER INFORMATION SYSTEMS (80/61 CREDITS)

FORM D PROPOSED

NAME: _____

ID#: _____

COMMUNICATION COMPETENCE – 8 Credits Required

REQUIRED	COURSE TITLE WITH PREREQUISITES SHOWN IN BRACKETS ()		CREDITS	GRADE
COMM	121	Fundamentals of Public Speaking (None)	3	
ENGL	150	English 1 (ENGL 074 or 14 ACT or 370 SAT)	3	
ENGL	250	English 2 (ENGL 150 w/C- or better)	3	

SCIENTIFIC UNDERSTANDING – 3 Credits Required

Consult the Ferris Web site: www.ferris.edu/htmls/academics/gened/scicourses.html for approved courses.

REQUIRED	COURSE TITLE WITH PREREQUISITES SHOWN IN BRACKETS ()		CREDITS	GRADE
		Scientific Understanding with Lab	4	

QUANTITATIVE SKILLS – 3 Credits Required

REQUIRED	COURSE TITLE WITH PREREQUISITES SHOWN IN BRACKETS ()		CREDITS	GRADE
MATH	115	Intermediate Algebra (MATH 110 w/C- or 19 ACT or 460 SAT) NOTE: If Math ACT of 24+, it becomes a General Ed elective.	3	

CULTURAL ENRICHMENT – 3 Credits Required

REQUIRED	COURSE TITLE WITH PREREQUISITES SHOWN IN BRACKETS ()		CREDITS	GRADE
PHIL	216	Introduction to Ethics (second semester freshman standing)	3	

ADDITIONAL GENERAL EDUCATION – 3 Credits Required

REQUIRED	COURSE TITLE WITH PREREQUISITES SHOWN IN BRACKETS ()		CREDITS	GRADE
		General Ed elective	3	

PROFESSIONAL BUSINESS COMPONENT – 15 Credits Required

REQUIRED	COURSE TITLE WITH PREREQUISITES SHOWN IN BRACKETS ()		CREDITS	GRADE
ECON	221	Principles of Macroeconomics (MATH 110 w/C- or better or 19 ACT or 460 SAT) SOCIAL AWARENESS	3	
ACCT	201	Principles of Accounting 1 (MATH 110 w/C- or better or 19 ACT or 460 SAT)	3	
STQM	260	Introduction to Statistics (MATH 115 or MATH 116 or MATH 117 or 24 ACT or 580 SAT)	3	
BLAW	321	Contracts and Sales (None)	3	
MKTG	321	Principles of Marketing (Sophomore status or higher)	3	

COMPUTER INFORMATION SYSTEMS CORE – 12 Credits Required

REQUIRED	COURSE TITLE WITH PREREQUISITES SHOWN IN BRACKETS ()		CREDITS	GRADE
ISYS	110	Fundamentals of Computer Information Systems (ISYS 105 or demonstrated competency)	3	
ISYS	200	Database Design & Implementation (ISYS 105 or demonstrated competency)	3	
CITS	150	A+ Certification 1 (none)	3	
CITS	160	A+ Certification 2 (CITS 150 or Co-rec)	3	

CHOOSE ONLY ONE CONCENTRATION FROM BELOW

REQUIRED	SYSTEMS SUPPORT CONCENTRATION – 12 Credits Required		CREDITS	GRADE
CITS	250	Windows Client Administration (ISYS 105 or demonstrated competency)	3	
CITS	255	Windows Server Environment (CITS 250)	3	
CITS	260	Windows Server Infrastructure (CITS 250)	3	
		CITS270 Network+ (CITS 160) or CITS 280 Linux 1 (CITS 160)	3	

REQUIRED	PROGRAMMING CONCENTRATION – 12 Credits Required		CREDITS	GRADE
ISYS	204	Introduction to Visual Basic Programming (ISYS 105 or demonstrated competency)	3	
ISYS	216	Introduction to Java Programming (MATH 115 w/C or better or 24 ACT or 560 SAT, ISYS 110)	3	
ISYS	288	Web Application Development (ISYS 200)	3	
ISYS	316	Advanced java Programming (ISYS 216 or ECNS 311)	3	

REQUIRED	CUSTOM CONCENTRATION – 12 Credits Required (Courses must be pre-approved by Faculty Advisor & Program Coordinator)		CREDITS	GRADE
		Recommend ISYS291 – CIS Internship or CITS291 – CIT Internship	3	
			3	
			3	
			3	

NOTICE REGARDING WITHDRAWAL, RE-ADMISSION AND INTERRUPTION OF STUDIES

Students who return to the university after an interrupted enrollment of 2 semesters (excluding summer) must normally meet requirements of the curriculum which are in effect at the time of their return, not the requirements which were in effect when originally admitted.

NOTICE REGARDING GPA REQUIREMENTS

Students must maintain a 2.0 Cumulative GPA in the following four areas: overall; Professional Business Component; CIS Core, chosen concentration.

NOTICE REGARDING ISYS 105 & MATH 115 REQUIREMENTS

CIS students must be able to demonstrate competency in ISYS 105 topics or take ISYS 105, and be proficient in MATH 115 (or greater).
 Effective: 8/30/2010

Associate degree in COMPUTER INFORMATION SYSTEMS
Recommended Semester Layout
Freshman Year

FALL SEMESTER	
COURSE	CREDITS
ENGL 150	3
Math 115	3
CITS 150	3
CITS 160	3
ISYS 105 (if needed) or ISYS 110	3
FSUS 100 – Univ. Requirement	1
TOTAL	16

SPRING SEMESTER	
COURSE	CREDITS
Gen Ed Elective	3
Science Elective w/Lab	4
ISYS 110 (if needed) or Concentration Elective	3
COMM 121	3
ISYS 200	3
TOTAL	16

Sophomore Year

FALL SEMESTER	
COURSE	CREDITS
ENGL 250	3
ECON 221	3
ACCT 201	3
STQM 260	3
Concentration Elective	3
Concentration Elective(if needed)	3
TOTAL	15 -18

SPRING SEMESTER	
COURSE	CREDITS
PHIL 216	3
BLAW 321	3
MKTG 321	3
Concentration Elective	3
Concentration Elective	3
TOTAL	15

This document is NOT an official program check sheet and is used for advising purposes only

EFFECTIVE: Fall 2010

CIS ASSOCIATE DEGREE OUTCOMES

Graduates of the Computer Information System associate program are expected to demonstrate the following program-level outcomes:

1. Provide business industry with technology support of business computer systems doing programming development, or networking support.
2. Use organization problem solving information system's methods to provide solutions to business systems.
3. Apply effective communications skills dealing with business professions in giving system support.

Assessments:

Core ISYS courses:

Students will take prep CompTIA A+ certification exam after completing CITS 160 core course. Assessment will be evaluated base on student's ability to complete certification.

Systems Support Concentration:

Students will be take prep Microsoft certification exam after completing CITS 260 or CITS 255 courses. Assessment will be evaluated base on student's ability to complete certification.

Programming concentration:

Students will be evaluated based on completing programming projects in ISYS316 course.

RESPONSE TO VOICED CONCERNS

During the department vote, one CIS faculty member voted support with concerns with the following concerns:

1. In general, we limit our flexibility with the proposed changes.
2. There are too many concentrations.

This same faculty member voted to support the proposal without any concerns at a CIS program curriculum meeting.

The overwhelming majority of CIS program faculty believe that the proposed changes in the AAS degree will actually strengthen the offering. While the current associate degree does provide a path to continue towards a baccalaureate degree, it lacks focus and does not offer distinctive options to better prepare and market graduates. With the proposed changes, students will have a focused concentration and be more marketable for employment in the computer support sector. If they desire to continue working towards a BS degree after earning their AAS degree, all credits will be applicable.

Anita Fagerman/FSU

02/09/2010 12:43 PM

To David L Kelson/FSU@Ferris, James H Jones/FSU@FERRIS, Laura Dix/FSU@FERRIS, Lynnae Selberg/FSU@FERRIS, Matt Pinter/FSU@FERRIS, Paul W Abdollah Ferdowsi/FSU@FERRIS, Ahmed F
cc Mekky/FSU@Ferris, Alison D Popp/FSU@FERRIS, Alison Larabel/FSU@FERRIS, Amy Dorey/FSU@FERRIS, Amy L

bcc

Subject CCC Proposal for Review: AY2009-2010 #15

CCC Members,

I am informing you of a CCC Proposal needing our Committee's review.

Proposal AY2009-2010 #15	Computer Information System – Associates Degree
AFIS Department	
Received	02/09/10
Proposal Type:	Group II
CCC Member Votes Due:	02/23/10
	(actual review time for proposal is 14 days)
Proposal Summary:	
The associate degree in computer Information System degree changes are being made so we can build in an assessment component into the program. The current program allows students to customize the degree and select 24 credits of ISYS courses giving them flexibility to take any ISYS courses. We have repackaged the degree to include a core of 12 credit hours for all students and giving each student a choice of three concentrations (Systems Support, Programming, and pre-approved custom concentration.) This will give us the opportunity to build in assessment at the Core level and within each concentration. Also, each concentration will allow the student to easily transfer into one of our 4 year degrees either Computer Information Systems or computer Information Technology. No new courses have been developed or changes in current courses was needed to implement these changes.	

Since this is a Group II proposal, the response to the Department from the CCC is due within 14 days.

I ask for your vote on the proposal.

Please respond with your vote in the following manner:

Support

Support with concern. Then list the concern(s).

Do not support. Then list the concern(s).

The relevant documentation pertaining to these proposals have been uploaded to DriveL on Novel NetStorage; the path to the directory is as follows:

L:\COB\ADMINISTRATIVE\COB_All\Committees\Curriculum\CCCProposals\AY20092010\In Process Proposals

Anita

p.s. I am copying the COB Faculty, Staff, and Administrators on this communication so that each person will be aware of the new proposal. COB Faculty, Staff, and Administrators are asked to contact their relevant CCC Representative if they desire to provide input into the proposal.

p.s.s Information pertaining to the curriculum approval process can be found in the UCC Curriculum Planning and Procedures Manual located at <http://www.ferris.edu/htmls/administration/academicaffairs/vpoffice/senate/univcurrcomm/>.

The following instructions on how to access DriveL on Novel NetStorage have been added to this e-mail for your convenience.

HOW TO ACCESS THE PROPOSALS FROM OFF CAMPUS

(Please note this is just one method – others exist.)

To locate and read CCC proposals, do the following:

Log into MyFSU

Select the “WorkPlace” tab.

(The tab is yellow in color and located near the top of the screen.)

Find the “Computer Network Services” channel.

(The channel is located in the middle column.)

Select the “Connecting to Network Drives” option.

(Once selected a new screen will open.)

Select the “DriveL@SHARED2” folder.

(You must double-click the folder in order for it to open.)

Select the “COB” folder.

(You must double-click the folder in order for it to open.)

Select the “ADMINISTRATIVE” folder.

(You must double-click the folder in order for it to open.)

Select the “COB_All” folder.

(You must double-click the folder in order for it to open.)

Select the “Committees” folder.

(You must double-click the folder in order for it to open.)

Select the “Curriculum” folder.

(You must double-click the folder in order for it to open.)

Select the “CCCProposals” folder.

(You must double-click the folder in order for it to open.)

Select the “AY20092010” folder.

(You must double-click the folder in order for it to open.)


Look around the folder and **note** that the new proposals are located within the “In Process Proposals” subdirectory.

HOW TO ACCESS THE PROPOSALS FROM ON CAMPUS

(Please note this is just one method – others exist.)

NetStorage Access

For those COB faculty, staff, and administrators who access the LShare drive via MyFSU and the NetStorage software, please be aware that you will need to contact the Technology Assistance Center (TAC) at 231.591.4822 or toll free at 877-779-4822. Sometime in the November-January time frame, the new FSU password system “broke” the NetStorage access mechanism. As a result, individual FSU employees must



To locate and read CCC proposals, do the following:

Open "My Computer"

(This is the equivalent of opening Windows Explorer)

Do one of two things:

Switch the 'address' to Drive L, or

Select Drive L

Select the "COB" folder.

Select the "ADMINISTRATIVE" folder.

Select the "COB_All" folder.

Select the "Committees" folder.

Select the "Curriculum" folder.

Select the "CCCProposals" folder.

Select the "AY20092010" folder.

Look around the folder and **note** that the new proposals are located within the "In Process Proposals" subdirectory of the "CCCProposals" folder.



CIS Associate Degree proposal

Leonard Johnson to: Clyde W Hardman

04/06/2010 12:12 PM

Sandra L Alspach, Leonard Johnson, Andrew L Purvis, Barbara A Ross, Paula L Hadley-Kennedy, Donald Flickinger, Harold G Palmer,
Cc: Terrence J Doyle, Ronald A Mehringer, Kristen L Motz, Fritz J Erickson, Tracey Boncher, Steve Karnes, Mitzi A Day, Anita Fagerman

Hi Clyde

Just a couple of (apparent, correct me if I am wrong) errors on the Form A you recently submitted for the CIS Associate Degree proposal:

- 1) Under item 2d. "Addition of existing FSU courses to program," you listed CITS 270, CITS 280, CITS 291, & ISYS 291 but, they do not appear on the proposed checksheet. My guess is that they should not be listed there.
- 2) Under item 2e. "Removal of existing FSU courses from program," from the checksheet it appears that you should also have listed: PHIL 217, ISYS 305, and ISYS 307.
- 3) With the proposed changes, I think the proposed checksheet should now simply read 61 credits rather than 60/61.

Thanks for your attention to these details.

Leonard

Leonard R. Johnson, Ph.D
Professor of Education and Chair,
Strategic Planning and Resources Council
University Curriculum Committee
Ferris State University
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Big Rapids, Michigan 49307
(231) 591-2134
<http://www.ferris.edu/education/education>