

IS-100a
UWUCL AP 2/23/16
Senate App 3/29/16

Bachelor in MIS Information Technology Track

NewTrk-2015-10-21

Form Information

First Step: Change the text in the [brackets] so it looks like this: **Bachelors in Criminology Pre-Law-NewTrk-2015-08-10**

Second Step: Click save on bottom right

Third Step: Make sure the word "**DRAFT**" is in yellow at the top of the proposal

Fourth Step: Click on EDIT CONTENTS and start completing the template. When exiting or done, click save on bottom right

When ready to submit click on the workflow icon and hit approve. It will then move to the chair as the next step in the workflow.

Please direct any questions to curriculum-approval@iup.edu

**Indicates a required field*

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Proposing Department/Unit*	ISDS	Contact Phone*	724-357-5747

(A) Track Title:*

Information Technology

(B) Degree Designation:*

Bachelor of Science

(C) Program Name:*

Management Information Systems

(D) List number of credits:*

120

(E) Course Level:*

undergraduate-level

(F) Narrative Catalog Description:*

The information technology (IT) track of the Management Information Systems (MIS) degree provide graduates with the skills and knowledge to take on appropriate professional positions in the Information Technology field upon graduation. It aims also at providing skills for graduates to grow into leadership positions and/or pursue research or graduate studies in the field. The IT field is a vibrant field that emerged as a result of the rapid advances in the technology field and the need for organizations to adjust quickly to these advances. IT graduates should be the first to take the lead to fill the computing need of organizations. The IT track encompasses courses in the latest technological advances, thus enabling graduating students to take the lead in this vibrant field.

(G) List of Program Requirements in

catalog layout including course

numbers, titles, credits and any

footnotes.*

Liberal Studies: As outlined in Liberal Studies section with the following specifications: **49-50**

Mathematics: MATH 115 (1)

Social Science: ECON 121, PSYC 101

Liberal Studies Electives: 9cr, BTED/COSC/IFMG 101, ECON 122, MATH 214 (2), no courses with MGMT prefix

College: Business Administration Core 33

Required Courses:

ACCT 201 Accounting Principles I	3cr
ACCT 202 Accounting Principles II	3cr
BCOM 321 Business and Interpersonal Communications	3cr
BLAW 235 Legal Environment of Business	3cr
FIN 310 Fundamentals of Finance	3cr
IFMG 300 Information Systems: Theory and Practice	3cr
MGMT 310 Principles of Management	3cr
MGMT 330 Production and Operations Management	3cr
MGMT 495 Business Policy	3cr
MKTG 320 Principles of Marketing	3cr
QBUS 215 Business Statistics	3cr

Major: Management Information Systems - Information Technology Track Required courses: 21

IFMG210 Introduction to Front-End Business Applications OR	
IFMG230 Introduction to Back-end Business Applications	3cr
IFMG254 Computer Technology Virtualization	3cr
IFMG250 Business Systems Technology	3cr
IFMG330 Information Storage and Management	3cr
IFMG 352/COSC352 LAN Design and Installation	3cr
IFMG 390 Database Theory and Practice	3cr
IFMG471 Data Center and Cloud Computing Fundamental	3cr

Controlled Electives 6

Two courses from the following

IFMG368, IFMG414, IFMG455, IFMG456, IFMG460, IFMG475, IFMG481, IFMG493, COSC/IFMG354, COSC362.

Free Electives 10-11

Total Degree Requirements: 120

(H) Student Learning Outcomes*

- Analyze the requirements of information technology at various levels of organizations
- Manage the information technology resources of individuals and organizations
- Discuss the changing direction of information technology and their effect on organizations
- Examine factors for effective usage of virtualization technologies at enterprise level
- Propose cloud computing alternative solutions for organizations
- Examine storage management need in personal, enterprise, and cloud computing settings
- Contrast networking management solutions for related technology problems

Rationale for Proposal

(I) Why is this track being proposed?*

We are restructuring our program by offering two tracks, first Information Technology and second Information systems. We are introducing this track to substitute for the old Business Technology Support (BTS) that is on moratorium. The IT track along with the IS track that is proposed as well respond to the changing market demand and better prepares the students for the changes in the Information Technology industry.

(J) What role, if any, does it serve the

It fills a gap for the information technology (IT) field. Our university offers a degree in information systems, another degree in computer science but we do not have a degree in Information Technology.

College/University above and beyond the role it serves in the department?*

For Deans Review

Are Resources Available/Sufficient for this Course?

Is the Proposal Congruent with the College Mission?

Has the Proposer Attempted to Resolve Potential Conflicts with Other Academic Units?

Comments:

