

IU School of Informatics @ IUPUI

BACHELOR OF SCIENCE IN INFORMATICS

Adopted - Fall 2007

REQUIRED CORE [37 credit hours]

I101	Introduction to Informatics	4	___	___	___
I201	Mathematical Foundations of Informatics (p: Math 118)	4	___	___	___
I202	Social Informatics	3	___	___	___
I210	Information Infrastructure I	4	___	___	___
I211	Information Infrastructure II	4	___	___	___
I308	Information Representation	3	___	___	___
Y195	Directed Study I	1	___	___	___
Y295	Directed Study II	1	___	___	___
Y395	Career Development for Informatics Majors	1	___	___	___

Two courses from

I300	Human Computer Interaction	3	___	___	___
I303	Organizational Informatics	3	___	___	___
I310	Multimedia Arts and Technology (or N311)				
I320	Distributed Systems and Collaborative Computing (p: INFO 1211)				

Capstone:

I494/I495	Design & Development of an Information System	3/3	___	___	___	OR
I492/I493	Senior Thesis	3/3	___	___	___	

INFORMATICS ELECTIVES [6 credit hours]

For majors, any course in the department of Computer and Information Science, CPT, Informatics or New Media, at the 300 level or above, counts as an elective.

COGNATE AREA COURSES [15-21 credit hours] Approved Minors and/or Certificates

Cognate areas are: Chemistry, Computer and Information Science, Computer Technology, Economics, English & Technical Communication, Geography, Health Science, Journalism, Mechanical Engineering, New Media, Political Science, Physics, Criminal Justice, Public and Environmental Affairs, French, German, Japanese, Spanish, Philosophy

Designated Cognate Area: _____

GENERAL EDUCATION REQUIREMENTS [38-41 credit hours]

Written Communication [6 credit hours]

ENG W131	English Composition I	3	___	___	___
ENG W 231	Professional Writing Skills (p: W131)	3	___	___	___
JOUR J200	Reporting, Writing and Editing I (p: W131)	3	___	___	___
TCM 220	Technical Report Writing (p: W131)	3	___	___	___

Oral Communication [3 credit hours]

COMM R110	Fundamentals of Speech Communication	3	___	___	___
-----------	--------------------------------------	---	-----	-----	-----

Quantitative & Analytical Skills [9 credit hours]

MATH M118, M119, 151, 153, 154, 159, 163, 164	3	___	___	___
	3	___	___	___
STAT 301 or 350	3	___	___	___

Web-Based Computer Programming [9 credit hours]

CSCI N351	Intro to Multimedia Programming	3	___	___	___
CSCI N331	Visual Basic Programming	3	___	___	___
CSCI N355	VRML	3	___	___	___
CSCI N341	Web Programming				
CSCI N305	C Language Programming				
CSCI N311	Advanced Database: Oracle (p: CSCI N211)				
CSCI N335	Advanced Programming: VB (p: CSCI N331)				

Arts & Humanities [3 credit hours]

AFRO A150	Afro-American Studies	3	___	___	___	CLAS C20S	Classical Mythology	3	___	___	___
AMST A103	Topics in American Studies	3	___	___	___	COMM T130	Introduction to Theatre	3	___	___	___
CMLT C190	Introduction to Film	3	___	___	___	ENG 1115	Literature for Today	3	___	___	___
ENG L105	Appreciation of Literature	3	___	___	___	FOLK F101	Folklore	3	___	___	___
FLAC F200	World Cultures Through Literature	3	___	___	___	HER H100	Art Appreciation	3	___	___	___
HER H101	History of Art I	3	___	___	___	HERH102,	History of Art II	3	___	___	___
HIST H105	American History I	3	___	___	___	HIST H106	American History II	3	___	___	___
HIST H108	Perspectives on the World to 1800	3	___	___	___	HIST H113	History of Western Civilization I	3	___	___	___
HIST H217	The Nature of History	3	___	___	___	PHIL P110	Introduction to Philosophy	3	___	___	___
PHIL P120	Ethics	3	___	___	___	REL R133	Introduction to Religion	3	___	___	___
REL R173	American Religion	3	___	___	___	REL R180	Introduction to Christianity	3	___	___	___
REL 212	Comparative Religions	3	___	___	___	WOST W105	Women's Studies	3	___	___	___
Mus M174	Music for the Listener	3	___	___	___						

Professional Ethics [3 hours]

CPT 410	Info Tech Ethics and Leadership	3	___	___	___
REL R283	Religion, Ethics & Values	3	___	___	___
REL R293	Ethics & World Religions	3	___	___	___
REL R393	Comparative Religious Ethics	3	___	___	___
PHIL P120	Ethics	3	___	___	___
PHIL P326	Ethical Theory	3	___	___	___
PHIL P493	Biomedical Ethics	3	___	___	___

Social Sciences [3 credit hours]

AFRO A150	Afro-American Studies	3	___	___	___
ANTH A104	Culture and Society	3	___	___	___
COMM C180	Interpersonal Communication	3	___	___	___
ECON E101	Economics [E201 or E202]	3	___	___	___
ENG G104	Language Awareness	3	___	___	___
FOLK F101	Introduction to Folklore	3	___	___	___
GEOG G110	Introduction to Human Geography	3	___	___	___
GEOG G130	World Geography	3	___	___	___
HIST H117	Introduction to Historical Analysis	3	___	___	___
POLS Y101	Principles of Political Science	3	___	___	___
POLS Y103	Introduction to American Politics	3	___	___	___
POLS Y213	Intro to Public Policy	3	___	___	___
POLS Y219	International Relations	3	___	___	___
PSY B104	Psychology	3	___	___	___
PSY B310	Life Span Development	3	___	___	___
SOC R100	Sociology	3	___	___	___
SOC R121	Social Problems	3	___	___	___
WOST W105	Intro to Women's Studies	3	___	___	___

Comparative World Cultures [3 credit hours]

ANTH A104	Culture and Society	3	___	___	___
CLAS C20S	Classical Mythology	3	___	___	___
FLAC F200	World Cultures Through Literature	3	___	___	___
GEOG G110	Introduction to Human Geography	3	___	___	___
HIST H108	Perspectives on the World to 1800	3	___	___	___
POLS Y217	Introduction: to Comparative Politics	3	___	___	___
REL R133	Introduction to Religion	3	___	___	___
REL R212	Comparative Religions	3	___	___	___

GENERAL ELECTIVES [24-27 credit hours]

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

05.30.07

Please note that many courses require prerequisites and it is the student's responsibility to fulfill these requirements.