

Degree: Bachelor of Integrated Studies

Major:

Emphasis/Option: Analytics

Minor (if required):

As of Fall 2015

The Analytics emphasis in the Bachelor of Integrated Studies was designed to bridge students with mathematical talent into applications in a business setting. Those completing the emphasis will be equipped to work in a variety of quantitative oriented areas in the world of business.

*Electives-Recommended but not required

Analytics Program Requirements

Mathematics (19 hours)

MATH 150: Calculus (satisfied by general education)	0
MATH 155: Calculus Ìl	
MATH 212: Matrix Algebra	
MATH 253: Calculus III	3
MATH 543: Probability and Statistics	
MATH 656: Mathematical Modeling	3
MATH 658: Financial Mathematics	

Computer Science (6 hours)

CIS 230: Visual Basic Programming I (satisfied by general ed)	. С
CIS 240: C ++ Programming	. 3
CIS 615: Database Management	

Business and Marketing (18 hours)

ACCTG 201: Financial Accounting	3
ACCTG 202: Managerial Accounting	
ECON 200: Introduction to Microeconomics (satisfied by general	
education)	0
MGMKT 320: Business Statistics	3
MGMKT 330: Basic Marketing	3
MGMKT 430: Consumer Behavior	3
MGMKT 534: Marketing Research	3

Other (3 hours)

ENGL 301: Technical/Professional Writing	.3
COMM 207: Speech Communication (satisfied by general ed)	
PHIL 208: Logic (satisfied by general ed)	.0

Total Electives* (22-29 hours)

Total Minimum Requirements (124 hours)

(49-53 h			
Basic Skil		On a sale On a sale sale sale	14 hours
COMM	207	Speech Communication	
ENGL	101	English Composition	3
ENGL	190	Honors English Composition	3
		9 Introduction to Research Writing	
MATH	150	Calculus I	5
Sciences	ionco	s (Select one)	8-9 hours
BIOL		112 General Biology and Laboratory	5
BIOL	113	Environmental Life Science	4
BIOL	211	Principles of Biology I	4
_		es (Select one)	
CHEM		106 Introductory Chemistry and Labora	atory 4
CHEM		108 Chemistry for Life Sciences and L	
PHYS	160/	165 Physical Geology and Laboratory	4
PHYS	166/	167 Meteorology and Laboratory	4
PHYS	171/	172 Physical Science and Laboratory.	4
PHYS		176 Descriptive Astronomy and Labora	
PHYS	375/	176 Solar System Astronomy and Lab	oratory4
Social Stu		Tro Colar Cyclom rich offormy and Eac	3 hours
SOC		Introduction to Sociology	
WGS	200	Introduction to Women's Studies	3
WGS	200	introduction to women's Studies	
	tudie	es (Select one) U.S. Politics	3 hours
POLS			
POLS	103	Comparative Political Institutions	3
		Consuming	6 hours
ECON	200	Introduction to Microeconomics	3
CIS	230	Visual Basic Programming	3
Fine Arts		Aesthetic Studies (Select one)	
ART	155	Printmaking and Paper Arts	3
ART	178	Introduction to the Visual Arts	3
ART	188	The Designed World	3
ART	217	Crafts I	3
ART	222	Jewelry Design I	3
ART		Drawing I	
ART	244	Ceramics I	3
ART	266	Sculpture I	3
ART	277		3
ART	288		3
ART	289	Introduction to Art History II	3
ART	311	Art Education	
ART	351	Printmaking, Papermaking, Bookarts and Letterpress	d the 3
ART	430	Automotive: Art and Design	3
COMM	105	Performance Appreciation	3
COMM	205	Performance Studies	3
COMM	295	Theatre History	3
ENGL	250	Introduction to Creative Writing	3
HHP	151	Dance Appreciation	

GENERAL EDUCATION REQUIREMENTS*

MUSIC	121	Introduction to Music Literature	2
Cultural S	tudio	es (Select one)	3 hours
ANTH		Introduction to Cultural Anthropology	
MLL		Chinese Language and Culture I	
MLL		French Language and Culture I	
MLL		Spanish Language and Culture I	
MLL	184	Russian Language and Culture I	3
MLL		Korean Language and Culture I	
GEOG		World Regional Geography	
GEOG		Elements of Geography	
GEOG	304	Human Geography	3
WGS	399	Global Women's Issues	3
Health and		Il Being 4-6	6 hours
PSYCH		General Psychology	3
Physical (S	Select	t one)	
FCS	203	Nutrition and Health	3
FCS		Nutrition	
HHP		Lifetime Fitness Concepts	
NURS	303	Introduction to Public Health	3
Human He	ritag	je (6 hours
	IL 20	08 and one from either of the two categori	es)
History HIST	101	World History to 1500	2
HIST		World History from 1500	
HIST		American History to 1865.	
HIST		American History from 1865	
Literature			
	202	American history nom 1865	
ENGI		•	
ENGL FNGI	113	General Literature.	3
ENGL	113 114	General LiteratureGeneral Literature(Genre)	3
_	113 114 116	General LiteratureGeneral Literature(Genre)	3 3
ENGL ENGL	113 114 116 120	General Literature	3 3 3
ENGL ENGL ENGL	113 114 116 120 315	General LiteratureGeneral Literature(Genre)	3 3 3 3
ENGL ENGL ENGL ENGL	113 114 116 120 315 320	General Literature. General Literature(Genre). General Literature(Theme). Literature and Film Mythology. Literature and Film	3 3 3 3
ENGL ENGL ENGL ENGL ENGL	113 114 116 120 315 320	General Literature	3 3 3 3

Notes: *The standard general education requirements have been amended so as to take into account those general education courses which have been included in the program.

NOTE: The information contained herein is intended to be used for the planning of a student's academic program and does not constitute a contract. While this guide was prepared with the latest information, courses, graduation requirements, and curricula are subject to change.

When a student attains 85 semester hours of credit (including current enrollment) the student must apply for a degree check in the Office of the Registrar (Degree Checking Section), Room 102 Russ Hall.

MINIMUM GENERAL REQUIREMENTS: The minimum requirements for graduation include 124 semester hours of which 60 hours must be from a four year university. In addition, 45 semester hours must be upper division and 30 hours in residence at PSU (including 24 of the last 30). Minimum GPA for non-education degree is 2.0 overall [2.0 in major], secondary education degree is 2.5 overall [2.75 in major], and early/late childhood/unified degree is 2.80 overall [3.0 in major]. A minimum GPA of 2.0 in any minor and in residence coursework is required. General Education and all degree requirements are provided in the online catalog. Refer to individual departments for specific requirements.