Pittsburg State University

Program Guide

Degree: Bachelor of Integrated Studies
Major:
Emphasis/Option: Analytics
Minor (if required):

As of Fall 2013

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.

Analytics Program Requirements

Mathematics (28 hours)

MATH 150: Calculus (satisfied by general education) 0
MATH 155: Calculus II 5
MATH 212: Matrix Algebra 2
MATH 253: Calculus III 3
MATH 543: Probability and Statistics 3
MATH 627: Linear Optimization Models 3
MATH 643: Mathematical Statistics 3
MATH 646: Statistical Methods I 3
MATH 656: Mathematical Modeling 3
MATH 658: Financial Mathematics 3

Computer Science (6 hours)

CIS 230: Visual Basic Programming I (satisfied by general ed) 0
CIS 240: C ++ Programming 3
CIS 615: Database Management 3

Business and Marketing (18 hours)

ACCTG 201: Financial Accounting 3
ACCTG 202: Managerial Accounting 3
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) 0
PHIL 208: Logic and Critical Thinking (satisfied by general ed) 0

Total Electives* (13-20 hours)

Total Minimum Requirements (124 hours)

*Electives-Recommended but not required

PHIL 105: Ethics 3
MATH 726: Probability Models 3
ECON 201: Introduction to Macroeconomics 3
CIS 510: Data Structures and Algorithms 3
TM 679: Presentation Skills 3

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GENERAL EDUCATION REQUIREMENTS* (49-55 hrs.)

Basic Skills **14 hours**

COMM	207	Speech Communication	3
ENGL	101	English Composition	3
ENGL	190	Honors English Composition	3
OR ENGL	299	Introduction to Research Writing	3
MATH	150	Calculus I	5

Sciences **8-9 hours**

Natural Sciences *(Select one)*

BIOL	111/112	General Biology and Laboratory	5
BIOL	113	Environmental Life Science	4
BIOL	211	Principles of Biology I	4

Physical Sciences *(Select one)*

CHEM	105/106	Introductory Chemistry and Laboratory	4
CHEM	107/108	Chemistry for Life Sciences and Laboratory	4
PHYS	160/165	Physical Geology and Laboratory	4
PHYS	162/163	Physical Oceanography and Laboratory	4
PHYS	166/167	Meteorology and Laboratory	4
PHYS	171/172	Physical Science and Laboratory	4
PHYS	175/176	Descriptive Astronomy and Laboratory	4
PHYS	375/176	Solar System Astronomy and Laboratory	4

Social Studies **3 hours**

SOC	100	Introduction to Sociology	3
WOMEN	200	Introduction to Women's Studies	3

Political Studies **3 hours**

POLS	101	U.S. Politics	3

Producing and Consuming **6 hours**

ECON	200	Introduction to Microeconomics	3
CIS	230	Visual Basic Programming	3

Fine Arts and Aesthetic Studies *(Select one)*..... **2-3 hours**

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	233	Drawing I	3
ART	244	Ceramics I	3
ART	266	Sculpture I	3
ART	277	Painting I	3
ART	288	Western Art History I	3
ART	289	Western Art History II	3
ART	311	Art Education	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	3
MUSIC	120	Music Appreciation	3
MUSIC	121	Introduction to Music Literature	2
MUSIC	321	History of Music	3

Cultural Studies *(Select one)* **3-5 hours**

MLL	114	Chinese Language and Culture I	5
MLL	124	French Language and Culture I	5
MLL	154	Spanish Language and Culture I	5
MLL	184	Russian Language and Culture I	5
MLL	194	Korean Language and Culture I	5
GEOG	106	World Regional Geography	3
GEOG	300	Elements of Geography	3
GEOG	304	Human Geography	3
WOMEN	399	Global Women's Issues	3

Health and Well Being **4-6 hours**

Psychological

PSYCH	155	General Psychology	3

Physical *(Select one)*

FCS	203	Nutrition and Health	3
FCS	301	Nutrition	3
HHP	150	Lifetime Fitness Concepts.	1
NURS	303	Introduction to Public Health	3

Human Heritage **6 hours**

(Select PHIL 208 and one from either of the two categories)

History

HIST	101	World History to 1500.	3
HIST	102	World History from 1500	3
HIST	201	American History to 1865.	3
HIST	202	American History from 1865	3

Literature

ENGL	113	General Literature.	3
ENGL	114	General Literature(Genre)	3
ENGL	116	General Literature(Theme).	3
ENGL	315	Mythology	3
ENGL	320	Literature and Film	3

Philosophy

PHIL	208	Logic and Critical Thinking	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.