



# Pittsburg State University Program Guide

Degree: Bachelor of Integrated Studies

Major:

Emphasis/Option: Analytics

Minor (if required):

As of Fall 2018

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

PHIL 105: Ethics .....	3
MATH 726: Introduction to Stochastic Processes .....	3
ECON 201: Principles of Macroeconomics .....	3
TM 679: Presentation Skills .....	3

## Analytics Program Requirements

### Mathematics (19 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 656: Mathematical Modeling .....	3
MATH 658: Financial Mathematics .....	3

### Computer Science (6 hours)

CIS 230: Introduction to Programming (satisfied by general ed) .....	0
CIS 240: Intermediate Programming .....	3
CIS 615: Database Management .....	3

### Business and Marketing (18 hours)

ACCTG 201: Financial Accounting .....	3
ACCTG 202: Managerial Accounting .....	3
MGT 310: Business Statistics .....	3
MKTG 330: Principles of Marketing .....	3
MKTG 510: Consumer Behavior .....	3
MKTG 520: Marketing Research .....	3

### Other (3 hours)

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

Program Requirements (46 hours)

General Education (46-52 hours)

Total Electives\* (22-28 hours)

Total Minimum Requirements (120 hours)

# GENERAL EDUCATION REQUIREMENTS\*

(46-52 hrs.)

<b>Basic Skills</b>		<b>14 hours</b>
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
<b>Sciences</b>		<b>8-9 hours</b>
Natural Sciences ( <i>Select one</i> )		
BIOL	111/112	General Biology and Laboratory..... 5
BIOL	113	Environmental Life Science..... 4
BIOL	211	Principles of Biology I..... 4
Physical Sciences ( <i>Select one</i> )		
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	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
<b>Social Studies</b>		<b>3 hours</b>
SOC	100	Introduction to Sociology..... 3
WGS	200	Introduction to Women's Studies..... 3
<b>Political Studies</b> ( <i>Select one</i> )		<b>3 hours</b>
POLS	101	U.S. Politics..... 3
POLS	103	Comparative Political Institutions..... 3
<b>Producing and Consuming</b>		<b>6 hours</b>
ECON	200	Principles of Microeconomics..... 3
CIS	230	Introduction to Programming..... 3
<b>Fine Arts and Aesthetic Studies</b> ( <i>Select one</i> ).....		<b>2-3 hours</b>
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	Introduction to Art History I..... 3
ART	289	Introduction to Art History II..... 3
ART	311	Art Education..... 3
ART	351	Printmaking, Papermaking, Bookarts and the Letterpress..... 3
ART	430	Automotive: Art and Design..... 3
COMM	105	Performance Appreciation..... 3
COMM	205	Performance Studies..... 3
COMM	395	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

<b>Cultural Studies</b> ( <i>Select one</i> )		<b>3 hours</b>
ANTH	101	Introduction to Cultural Anthropology..... 3
MLL	114	Chinese Language and Culture I..... 3
MLL	124	French Language and Culture I..... 3
MLL	154	Spanish Language and Culture I..... 3
MLL	184	Russian Language and Culture I..... 3
MLL	194	Korean Language and Culture I..... 3
GEOG	106	World Regional Geography..... 3
GEOG	300	Elements of Geography..... 3
GEOG	304	Human Geography..... 3
WGS	399	Global Women's Issues..... 3

<b>Health and Well Being</b>		<b>4-6 hours</b>
Psychological		
PSYCH	155	General Psychology..... 3
Physical ( <i>Select one</i> )		
FCS	203	Nutrition and Health..... 3
FCS	301	Nutrition..... 3
HHP	150	Lifetime Fitness Concepts..... 1
NURS	303	Introduction to Public Health..... 3

<b>Human Heritage</b>		<b>6 hours</b>
<i>(Select PHIL 208 and one from either of the two categories)</i>		
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	120	Literature and Film..... 3
ENGL	315	Mythology..... 3
ENGL	320	Literature and Film..... 3
Philosophy		
PHIL	208	Logic..... 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.