



Pittsburg State University Program Guide

Degree: Bachelor of Integrated Studies

Major:

Emphasis/Option: Analytics

Minor (if required):

As of Fall 2017

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

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| 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)

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|---|---|
| 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)

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| 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)

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| 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)

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

Total Electives* (22-29 hours)

Total Minimum Requirements (124 hours)

GENERAL EDUCATION REQUIREMENTS*

(49-53 hrs.)

Basic Skills 14 hours

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| 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*)

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|--------------|---|---|
| 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 |

Social Studies 3 hours

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| SOC 100 | Introduction to Sociology..... | 3 |
| WGS 200 | Introduction to Women's Studies..... | 3 |

Political Studies (*Select one*) 3 hours

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| POLS 101 | U.S. Politics..... | 3 |
| POLS 103 | Comparative Political Institutions..... | 3 |

Producing and Consuming 6 hours

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| ECON 200 | Principles of Microeconomics..... | 3 |
| CIS 230 | Visual Basic Programming..... | 3 |

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

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| 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 295 | Theatre History..... | 3 |
| ENGL 250 | Introduction to Creative Writing..... | 3 |
| HHP 151 | Dance Appreciation..... | 3 |
| MUSIC 120 | Music Appreciation..... | 3 |

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| MUSIC 121 | Introduction to Music Literature..... | 2 |
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Cultural Studies (*Select one*) 3 hours

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| 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 |

Health and Well Being 4-6 hours

Psychological

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| PSYCH 155 | General Psychology..... | 3 |
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Physical (*Select one*)

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| 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

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| 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

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| 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

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| PHIL 208 | Logic..... | 3 |
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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.