

MANAGEMENT CONSULTING AND ANALYTICS MAJOR

Program Curriculum

Code	Title	Credits
Degree Core Requirements		
ACIS 2116	Principles of Accounting	3
BIT 3414	Operations and Supply Chain Management	3
FIN 3054	Legal and Ethical Environment of Business	3
FIN 3104	Introduction to Finance	3
HTM 2314	Introduction to International Business	3
or MGT 2314	Introduction to International Business	
MGT 4394	Strategic Management	3
MKTG 3104	Marketing Management	3
Subtotal		21
Major Requirements		
ACIS 1504	Introduction to Business Analytics and Business Intelligence	3
ACIS 2115	Principles of Accounting	3
ACIS 2504	Introduction to Accounting Analytics	3
MGT 1104	Foundations of Business	3
MGT 2104	Careers in Management	1
MGT 2114	Principles of Project Management	3
MGT 3084	Digital Entrepreneurship, Innovation, and Product Development	3
MGT 3324	Organization Behavior	3
MGT 3404	Principles of Management	3
MGT 3604	Managerial Analytics	3
MGT 3614	Strategy and Competition Analytics	3
MGT 4084	Management Consulting	3
MGT 4334	Ethical Leadership and Corporate Social Responsibility	3
MGT 4344	Productivity and Quality Leadership	3
PSYC 1004	Introductory Psychology	3
or SOC 1004	Introductory Sociology	
Restricted Electives		
Select one of the following:		3
FIN 3134	Financial Analytics	
MGT 3334	Managing Human Resources	
MGT 3424	Human Resource Staffing and Development	
MGT 4314	International Management	
MGT 4854	Analytics in Action	
Subtotal		46
Free Electives		
Select 18 credit hours of free elective.		18
Subtotal		18
Pathways to General Education		
<i>Pathways Concept 1 - Discourse</i>		
ENGL 1105	First-Year Writing	3
or COMM 1015	Communication Skills	
ENGL 1106	First-Year Writing	3

or COMM 1016 Communication Skills

Pathway 1a (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G01A) can be satisfied by major requirement.

Pathways Concept 2 - Critical Thinking in the Humanities

Select 6 credits in Pathway 2 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G02)

Pathways Concept 3 - Reasoning in the Social Sciences

ECON 2005	Principles of Economics	3
ECON 2006	Principles of Economics	3

Pathways Concept 4 - Reasoning in the Natural Sciences

Select 6 credits in Pathway 4 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G04)

Pathways Concept 5 - Quantitative and Computational Thinking

BIT 2405	Introduction to Business Statistics, Analytics, and Modeling	3
BIT 2406	Introduction to Business Statistics, Analytics, and Modeling	3
MATH 1524	Business Calculus	4

Pathways Concept 6 - Critique and Practice in Design and the Arts

Select 3 credits in Pathway 6a (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G06A)

Select 3 credits in Pathway 6d (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G06D)

Pathways Concept 7 - Critical Analysis of Identity and Equity in the United States

Pathway 7 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G07) can be satisfied by major requirement.

Subtotal		40
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Total Credits		125
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MGT Electives

Code	Title	Credits
FIN 3134	Financial Analytics	3
MGT 3334	Managing Human Resources	3
MGT 3424	Human Resource Staffing and Development	3
MGT 4314	International Management	3
MGT 4854	Analytics in Action	3

Optional MGT Free Electives

Code	Title	Credits
MGT 2404	Multicultural Problem Solving and Analytics	3
MGT 3014	Career Planning Strategy for Management Majors	3
MGT 3074	Social Entrepreneurship	3
MGT 3164	Current Topics in Entrepreneurship	3
MGT 3344	Employee & Labor Relations	3
MGT 3444	Multicultural Diversity in Organizations	3
MGT 3754	Management Internships and Career Development	3
MGT 4064	Developing Entrepreneurial Ventures	3
MGT 4324	Business and Professional Ethics	3

General Information

A total of **125 credit hours** is required for graduation. Any exceptions to this curriculum must be approved by the student's department head and Associate Dean for Pamplin Undergraduate Programs.

Foreign Language Requirement

Students who did not successfully complete at least two years of a single foreign, classical, or sign language during high school must successfully complete six credit hours of a single foreign, classical, or sign language at the college level. Courses taken to meet this requirement do not count towards the minimum credit hours required for graduation. Please refer to Undergraduate Catalog for details.

Pre-Requisites

Students are responsible for ensuring they have met necessary pre-requisites for all courses. Please refer to Undergraduate Catalog or academic advisor.

Transferring Courses

Requirements and procedures for transferring courses <http://pampl.in/transfercreditsteps> (<http://pampl.in/transfercreditsteps/>)

Overall and In-Major GPA

Students must have an overall GPA of 2.0 or higher and an in-major GPA of 2.0 or higher to graduate.

Policy 91

University policy requires a student to make satisfactory academic progress towards a degree in order to remain enrolled at the institution (see footnote 1). Students are responsible for reading and understanding Policy 91 in accordance with Pamplin policies <http://pampl.in/policy91> (<https://pamplin.vt.edu/undergraduate-programs/advising/academic-policies.html>).

Roadmap

Course	Title	Credits
First Year		
Fall Semester		
ACIS 1504	Introduction to Business Analytics and Business Intelligence ^{1,2}	3
MATH 1524	Business Calculus ^{1,2}	4
MGT 1104	Foundations of Business ²	3
ENGL 1105 or COMM 1015	First-Year Writing ³ or Communication Skills	3
Select a Pathway 2 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G02) course		3
Credits		16
Spring Semester		
ACIS 2115	Principles of Accounting ^{1,2}	3
ECON 2005	Principles of Economics ^{1,2}	3
BIT 2405	Introduction to Business Statistics, Analytics, and Modeling ^{1,2,4}	3
ENGL 1106 or COMM 1016	First-Year Writing ^{3,4} or Communication Skills	3
HTM 2314 or MGT 2314	Introduction to International Business ² or Introduction to International Business	3
MGT 2104	Careers in Management	1
Credits		16
Second Year		
Fall Semester		
ACIS 2116	Principles of Accounting ^{1,2,4}	3

ECON 2006	Principles of Economics ^{1,2,4}	3
BIT 2406	Introduction to Business Statistics, Analytics, and Modeling ^{1,2,4}	3
MGT 3404	Principles of Management ^{2,4,5}	3
Select a Pathway 2 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G02) course		3
Select a Pathway 4 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G04) course		3
Credits		18
Spring Semester		
MGT 3324	Organization Behavior ⁵	3
ACIS 2504	Introduction to Accounting Analytics ^{4,5}	3
MGT 2114	Principles of Project Management ^{4,5,6}	3
MGT 3614	Strategy and Competition Analytics ⁵	3
Select a Pathway 4 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G04) course		3
Credits		15
Third Year		
Fall Semester		
MGT 3604	Managerial Analytics ⁵	3
MGT 4334	Ethical Leadership and Corporate Social Responsibility ^{3,4,5,7}	3
BIT 3414	Operations and Supply Chain Management ^{2,4,5}	3
FIN 3054	Legal and Ethical Environment of Business ^{2,4,5}	3
FIN 3104	Introduction to Finance ^{2,4,5}	3
Credits		15
Spring Semester		
MGT 3084	Digital Entrepreneurship, Innovation, and Product Development ^{4,5}	3
MKTG 3104	Marketing Management ^{2,4,5}	3
Select a Pathway 6a (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G06A) course		3
Free Elective		3
Free Elective		3
Credits		15
Fourth Year		
Fall Semester		
MGT 4084	Management Consulting ^{4,5}	3
PSYC 1004 or SOC 1004	Introductory Psychology or Introductory Sociology	3
Select a Pathway 6d (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G06D) course		3
MGT Elective ^{4,5}		3
Free Elective		3
Credits		15
Spring Semester		
MGT 4344	Productivity and Quality Leadership ^{4,5}	3
MGT 4394	Strategic Management ^{2,4,5}	3
Free Elective		3
Free Elective		3
Free Elective		3
Credits		15
Total Credits		125

¹ **Policy 91:** Pamplin students in a business degree program must complete eight business courses (ACIS 1504 Introduction to Business Analytics and Business Intelligence, MATH 1524 Business Calculus, ACIS 2115 Principles of Accounting-ACIS 2116 Principles of Accounting, BIT 2405 Introduction to Business Statistics, Analytics, and Modeling-BIT 2406 Introduction to Business Statistics, Analytics, and Modeling, and ECON 2005 Principles of Economics-ECON 2006 Principles of Economics) with a grade of C- or higher by 72 attempted credit hours (or 90 attempted credit hours for students with more than

18 transfer credits). Students who have not met the requirements will be notified upon reaching 72 (or 90) credit hours that they must complete the missing course(s) in the next term(s) of enrollment. Failure to do so may result in the student's dismissal from the business degree program. This policy is strictly enforced.

² **Graduation Requirement:** Students must achieve a **grade of C- or higher** in select business courses (ACIS 1504 Introduction to Business Analytics and Business Intelligence, MATH 1524 Business Calculus, ACIS 2115 Principles of Accounting-ACIS 2116 Principles of Accounting, BIT 2405 Introduction to Business Statistics, Analytics, and Modeling-BIT 2406 Introduction to Business Statistics, Analytics, and Modeling, ECON 2005 Principles of Economics-ECON 2006 Principles of Economics, MGT 1104 Foundations of Business, HTM 2314 Introduction to International Business/MGT 2314 Introduction to International Business, MGT 3404 Principles of Management, MKTG 3104 Marketing Management, FIN 3104 Introduction to Finance, FIN 3054 Legal and Ethical Environment of Business, BIT 3414 Operations and Supply Chain Management, and MGT 4394 Strategic Management).

³ COMM 2004 Public Speaking: Public Speaking is required for all Management Consulting & Analytics majors who did not take COMM 1015 Communication Skills-COMM 1016 Communication Skills: Communication Skills. If ENGL 1105 First-Year Writing-ENGL 1106 First-Year Writing are taken, COMM 2004 Public Speaking will satisfy the Pathway 1A: Advanced Discourse requirement. If COMM 1015 Communication Skills-COMM 1016 Communication Skills taken, student may choose use MGT 4334 Ethical Leadership and Corporate Social Responsibility to satisfy the 1A requirement.

⁴ **Pre-Requisites:** Students are responsible for ensuring they have met necessary pre-requisites for all courses. Please refer to Undergraduate Catalog or academic advisor.

⁵ **Overall and In-Major GPA:** Students must have an overall GPA of 2.0 or higher and an in-major GPA of 2.0 or higher to graduate. Courses used to calculate the in-major GPA are noted.

⁶ Business Information Technology (BIT) majors who are double majoring in Management Consulting & Analytics may substitute BIT 4484 Project Management for MGT 2114 Principles of Project Management.

⁷ MGT 4334 Ethical Leadership and Corporate Social Responsibility will satisfy the Pathway 7: Critical Analysis of Identity & Equity in the U.S. requirement.

MGT 3754	Management Internships and Career Development	3
MGT 4064	Developing Entrepreneurial Ventures	3
MGT 4324	Business and Professional Ethics	3

MGT Electives

Code	Title	Credits
FIN 3134	Financial Analytics	3
MGT 3334	Managing Human Resources	3
MGT 3424	Human Resource Staffing and Development	3
MGT 4314	International Management	3
MGT 4854	Analytics in Action	3

Optional MGT Free Electives

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MGT 3074	Social Entrepreneurship	3
MGT 3164	Current Topics in Entrepreneurship	3
MGT 3344	Employee & Labor Relations	3
MGT 3444	Multicultural Diversity in Organizations	3