### Year One

#### Fall Semester
- **ACIS 1504**: Introduction to Business Analytics & Business Intelligence\(^1\)\(^2\)  
  - Credits: 3
- **MATH 1524**: Business Calculus\(^1\)\(^2\)  
  - Credits: 5f
- **MGT 1104**: Foundations of Business\(^2\)  
  - Credits: 3
- **ENGL 1015**: First-Year Writing or COMM 1015: Communication Skills  
  - Credits: 1f
- **Critique & Practice in the Arts**  
  - Credits: 6a

#### Spring Semester
- **ACIS 2115**: Principles of Accounting\(^1\)\(^2\)  
  - Credits: 3
- **ECON 2005**: Principles of Economics\(^1\)\(^2\)  
  - Credits: 3
- **BIT 2405**: Introduction to Business Statistics, Analytics, & Modeling\(^1\)\(^2\)  
  - Credits: 5f
- **ENGL 1108**: First-Year Writing or COMM 1016: Communication Skills  
  - Credits: 1f
- **Critical Thinking in the Humanities**  
  - Credits: 2
- **BIT 2104**: Careers in Business Information Technology  
  - Credits: M

**Total Credits in Year One**: 16

### Year Two

#### Fall Semester
- **ACIS 2116**: Principles of Accounting\(^1\)\(^2\)  
  - Credits: C
- **ECON 2006**: Principles of Economics\(^1\)\(^2\)  
  - Credits: 3
- **BIT 2408**: Introduction to Business Statistics, Analytics, & Modeling\(^1\)\(^2\)  
  - Credits: 5a
- **CS 1064**: Introduction to Programming in Python  
  - Credits: M
- **BIT 2554**: Linux, Shell Scripting, and Securing the OS for Business  
  - Credits: M
- **PSYC 1004**: Introductory Psychology or SOC 1004: Introductory Sociology  
  - Credits: M

#### Spring Semester
- **ACIS 3554**: Networks, Telecommunications & Security  
  - Credits: M
- **BIT 3474**: Data Management and Business Analytics in Python  
  - Credits: M
- **HTM or MGT 2314**: Introduction to International Business\(^2\)  
  - Credits: C
- **Reasoning in the Natural Sciences**  
  - Credits: 4
- **Critique & Practice in Design**  
  - Credits: 6d

**Total Credits in Year Two**: 18

### Year Three

#### Fall Semester
- **Free Elective**  
  - Credits: 3
- **BIT 4614**: Information Security  
  - Credits: M
- **MKTG 3104**: Marketing Management\(^2\)  
  - Credits: C
- **MKTG 3104**: Operations & Supply Chain Management\(^2\)  
  - Credits: C
- **Reasoning in the Natural Sciences**  
  - Credits: 4

#### Spring Semester
- **BIT 4604**: Data Governance, Privacy, & Ethics  
  - Credits: M/2
- **BIT 3484**: Advanced Business Analytics in Python and R  
  - Credits: M
- **FIN 3054**: Legal & Ethical Environment of Business\(^2\)  
  - Credits: C
- **FIN 3104**: Introduction to Finance\(^2\)  
  - Credits: C
- **Free Elective**  
  - Credits: 3

**Total Credits in Year Three**: 15

### Year Four

#### Fall Semester
- **CMA Elective (see page 2)**  
  - Credits: M
- **FIN 4014**: Cyber Law & Policy  
  - Credits: M
- **BIT 4484**: Project Management  
  - Credits: M
- **BIT 4824**: Cybersecurity Analytics for Business  
  - Credits: M
- **MGT 3404**: Principles of Management\(^2\)  
  - Credits: M

#### Spring Semester
- **BIT 4954**: Field Study  
  - Credits: M
- **MGT 4394**: Strategic Management\(^2\)  
  - Credits: C
- **Critical Analysis of Identity & Equity in the U.S.**  
  - Credits: 7
- **CMA Elective (see page 2)**  
  - Credits: M
- **Advanced/Applied Discourse**  
  - Credits: 1a

**Total Credits in Year Four**: 15

\(^1\) Degree Core Required Course  
\(^2\) Major Required Course
CMA ELECTIVES (choose two — 8 credit hours)

- ACIS 4684: Information Systems Security & Assurance
- BI 1114: Systems Analysis & Design
- BI 3524: Database Management & Design
- BI 4424: Business Information Visualization & Analytics
- BI 4544: Artificial Intelligence, Machine Learning, and Deep Learning for Business
- BI 5114: Crime & Conflict in Cyberspace
- BI 5134: Cybersecurity Program Design
- CS 4264: Principles of Computer Security
- MATH 4175: Cryptography

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 may not count towards the minimum credit hours required for graduation. Please refer to the Undergraduate Catalog for details.

Pre-requisites: Students are responsible for ensuring they have met necessary pre-requisites for all courses. Courses with pre-requisites are noted with * (e.g. *BI 2405). Please refer to the Undergraduate Catalog or academic advisor.

Transferring Courses: Requirements and procedures for transferring courses are available [http://pamplin/transfercreditsteps](http://pamplin/transfercreditsteps).

Overall and In-Major GPA: Students must have an overall GPA of 2.0 and an in-major GPA of 2.0 to graduate. Courses used to calculate the in-major GPA are noted with a # (e.g. #BI 3424).

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://pamplin/policy91](http://pamplin/policy91).

---

1. Policy 91: Pamplin students in a business degree program must complete eight business courses (ACIS 1504, MATH 1524, ACIS 2115-2116, BI 2405-2406, and ECON 2005-2006) 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, MATH 1524, ACIS 2115-2116, BI 2405-2406, ECON 2005-2006, MGT 1104, HTM or MGT 2314, MGT 3404, MKTG 3104, FIN 3104, FIN 3054, BI 3414, and MGT 4394).

3. Critical Analysis of Identity & Equity in the U.S. may be double-counted with another course (major, option, pathway, or free elective) that is designated as pathway 7. If this pathway is already met, students must take a free elective to meet the 125-credit hour requirement.