Department of Finance, Insurance & Business Law
Bachelor of Science in Business in Finance
Major: FinTech and Big Data Analytics (FBDA)

For students entering under UG Catalog 2022-2023

APPROVED
COMMISSION ON
UNDERGRADUATE
AND GRADUATE
STUDIES AND
POLICIES

YEAR ONE

FALL SEMESTER	✦	Credits	SPRING SEMESTER	✦	Credits
CS 1064: Intro to Programming in Python	5f/M	3	ACIS 2115: Principles of Accounting[1,2]	M	3
MATH 1225: Calculus of a Single Variable [1,2]	5f	4	*STAT 3005: Statistical Methods[1,2]	5a/M	3
COMM 1015: Communication Skills[3]	1f	3	*COMM 1016: Communication Skills[3]	1f	3
SOC 1004: Introductory Sociology[4]	7	3	*MATH 1226: Calculus of a Single Variable[1,2]	5f	4
ECON 2005: Principles of Economics[1,2]	3	3	*ECON 2006: Principles of Economics[1,2]	3	3
Total		16	Total		16

YEAR TWO

FALL SEMESTER	✦	Credits	SPRING SEMESTER	✦	Credits
*ACIS 2116: Principles of Accounting[1,2]	C	3	*#BIT 3424: Introduction to Business Analytics Modeling	M	3
*BIT 2406: Business Statistics, Analytics, & Modeling[1,2]	5a	3	*#FIN 3134: Financial Analytics[5]	M	3
*STAT 3006: Statistical Methods[1,2]	M	3	#MGT 3304: Mgt Theory & Leadership Practice[2] or *#MGT 3404: Principles of Management[2]	M	3
*#FIN 3104: Introduction to Finance	C	3	*#STAT 3104: Probability & Distributions or *#STAT 4105: Theoretical Statistics	M	3
*MATH 2204: Multivariable Calculus[1,2]	M	3	Reasoning in the Natural Sciences	4	3
MATH 2114: Introduction to Linear Algebra	M	3			
Total		18	Total		15

YEAR THREE

FALL SEMESTER	✦	Credits	SPRING SEMESTER	✦	Credits
#CS 1114: Introduction to Software Design	M	3	*#CS 2114: Software Design & Data Structures	6d/M	3
*#FIN 3144: Investments: Debt, Equity, & Derivatives[5,6]	M	3	*#ACIS 3115: Intermediate Accounting or *#ACIS 4194: Analysis of Financial Statements	M	3
*#FIN 3154: Corporate Finance[5,6]	M	3	*#ENGL 3764: Technical Writing	1a/M	3
#FIN 3054: Legal & Ethical Environment of Business[2]	C	3	Critical Thinking in the Humanities	2	3
#MKTG 3104: Marketing Management[2]	C	3	Reasoning in the Natural Sciences	4	3
Total		15	Total		15

YEAR FOUR

FALL SEMESTER	✦	Credits	SPRING SEMESTER	✦	Credits
*#BIT 3414: Operations & Supply Chain Management[2]	C	3	*#FIN Elective[7] (see page 2)	M	3
*#CMDA/CS/STAT 3654: Introductory Data Analytics & Visualization	M	3	*#CMDA/CS/STAT 4654: Intermediate Data Analytics & Machine Learning	M	3
*#FIN 4214: Financial Modeling in Excel[7]	M	3	*#MGT 4394: Strategic Management[2]	C	3
*#FIN Elective[7] (see page 2)	M	3	MGT or HTM 2314: Introduction to International Business[2]	C	3
Critique & Practice in the Arts	6a	3	Critical Thinking in the Humanities	2	3
Total		15	Total		15

✦	C = Degree Core Required Course	M = Major Required Course

All other designations identify Pathways General Education requirements https://www.pathways.prov.vt.edu/

FIN ELECTIVES (choose two – 6 credit hours)
*#FIN 4144: International Financial Management
*#FIN 4224: Fixed Income Securities
*#FIN 4264: Managing Risk with Derivatives
*#FIN 4274: Equity Securities
GENERAL INFORMATION
A total of <u>125 credit hours</u> 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 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. *BIT 2405). Please refer to the Undergraduate Catalog or academic advisor.
Transferring Courses: Requirements and procedures for transferring courses are available http://pampl.in/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. #FIN 3104).
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

---

[1] Policy 91: Pamplin students in a business degree program must complete ten business courses (MATH 1225 + MATH 1226 + MATH 2204, ACIS 2115-2116, STAT 3005-3006, BIT 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 (MATH 1225 + MATH 1226 + MATH 2204, ACIS 2115-2116, STAT 3005-3006, BIT 2406, ECON 2005-2006, MGT or HTM 2314, MGT 3304 or MGT 3404, MKTG 3104, FIN 3104, FIN 3054 or FIN 3074, BIT 3414, and MGT 4394).

[3] ENGL 1105-1106: First-Year Writing can substitute for COMM 1015-1016: Communication Skills. However, students who make this substitution must also take COMM 2004: Public Speaking.

[4] Students may use PSYC 1004: Introductory Psychology to satisfy the requirement if they meet the Pathway 7: Critical Analysis of Identity & Equity in the U.S. requirement with a different required course.

[5] Graduation requirement: Students must achieve a grade or C or higher in FIN 3134, FIN 3144, and FIN 3154.

[6] Students who receive a grade of C- in FIN 3134 may enroll concurrently in FIN 3144 and FIN 3154 while re-taking FIN 3134.

[7] Students who receive a grade of C- in FIN 3144 and FIN 3154 may enroll concurrently in FIN 42XX courses while re-taking FIN 3144 and FIN 3154. A grade of C or higher in FIN 3134 is required before enrolling in FIN 42XX courses.