

per WHD



**BUSINESS INFORMATION TECHNOLOGY MAJOR  
MAJOR OPTION I: COMPUTER-BASED DECISION  
SUPPORT SYSTEMS (DSS)**

Department of Business Information Technology  
Bachelor of Science in Business  
For students graduating in calendar year 2016

**(Final requirements for degrees for 2016 will be available Spring 2014)**

University Policy 91 requires a student to make satisfactory academic progress towards a degree, see Footnote 1, in order to remain enrolled in the institution. Students are responsible for reading and understanding Policy 91, in accordance with Pamplin Policies (<http://www.undergrad.pamplin.vt.edu/>)

**FRESHMAN YEAR** (30 Semester Hours Required)

	F	SP
ACIS 1504 Introduction to Business Information Systems <sup>1</sup>	3 _____	
ENGL 1105-1106 Freshman English or COMM 1015-1016 Communication Skills	3 _____	3 _____
MATH 1525-1526 Elementary Calculus with Matrices <sup>1,5</sup> (Area 5)	3 _____	3 _____
Area 4: Scientific Reasoning and Discovery	3 _____	3 _____
PSYC 1004 <b>OR</b> SOC 1004 Introductory Psychology or Sociology	3 _____	
Social Science Course <sup>2</sup>		3 _____
Social Science Course <sup>2</sup>		3 _____

**SOPHOMORE YEAR** (33 Semester Hours Required)

	F	SP
ACIS 2115-2116 Principles of Accounting <sup>1</sup>	3 _____	3 _____
BIT 2405-2406 Quantitative Methods <sup>1</sup>	3 _____	3 _____
ECON 2005-2006 Principles of Economics <sup>1</sup>	3 _____	3 _____
Area 2: Ideas, Cultural Traditions and Values	3 _____	3 _____
COMM 2004 Public Speaking <sup>3</sup> or if COMM 1015-6 completed, then Free Elective	3 _____	
CS 1054 Intro to Programming in JAVA	3 _____	
Free Elective		3 _____

**JUNIOR YEAR** (32 Semester Hours Required)

	F	SP
# BIT 3424 Introduction to Business Analytics Modeling	3 _____	
# BIT 3444 Advanced Business Computing and Applications		3 _____
# BIT 3414 Operations and Supply Chain Management	3 _____	
# MGT 3304 Management Theory & Leadership Practice	3 _____	
# MKTG 3104 Marketing Management	3 _____	
# FIN 3104 Introduction to Finance	3 _____	
# FIN 3055 Legal Environment of Business		3 _____
# BIT 3434 Advanced Modeling for Business Analytics		3 _____
# BIT Option Courses (as indicated on the next page)		6 _____
Free Elective (at least one hour of which must be an area 6 course) <sup>4</sup>	2 _____	

**SENIOR YEAR** (30 Semester Hours Required)

	F	SP
# BIT 4484 Project Management	3 _____	
# BIT Option Courses (as indicated on the next page)	6 _____	3 _____
# MGT 4394 Business Policy and Strategy		3 _____
# BIT Elective <sup>6</sup>		3 _____
Free Electives (three hours of which must be in area 7 if this requirement has not been fulfilled elsewhere) <sup>4</sup>	6 _____	6 _____

**COMPUTER BASED DSS Option Courses**

- # BIT 4444 Web-Based Decision Support Systems
- # BIT 4454 Business Analysis Seminar in IT
- # BIT 4514 Database Technology for Business
- # BIT 4524 Systems Development
- # BIT 4554 Networks and Telecommunications in Business

**GENERAL INFORMATION**

This checksheet applies to students completing their degrees in calendar year 2016 in the terms ending May, June, August, or December. A total of 125 semester hours is required for graduation. Any exceptions to this curriculum must be approved by the student's Department Head and the Pamplin College of Business Associate Dean for Undergraduate Programs.

Transferring courses: At least 50% of all Business credits taken in ACIS, BIT, FIN, HTM, MGT, or MKTG required for the degree must be taken at Virginia Tech. Additional requirements and procedures for transferring courses are available in the University Catalog and the Pamplin College of Business form, "Authorization to Take Courses Elsewhere."

In-Major GPA: The GPA for the Business Information Technology major includes all College of Business junior and senior core courses, and all courses listed for the options. These courses are indicated above with a #.

Language Requirement: See "Entrance Requirements," University Catalog. College-level foreign language credit used to meet this requirement may not be used to satisfy the minimum number of credits required by the degree.

Satisfactory Progress: BIT is a restricted major. In order to enter the major, students must have completed ACIS 1504, ECON 2005, MATH 1525, and MATH 1526 with a minimum GPA of 2.5. Students must have a minimum 2.5 GPA in all ACIS, ECON, and BIT lower division courses. Students must have completed CS 1054 or CS 1705. Students must have completed one complete semester in ACIS, ECON, FIN, MGT or MKTG if previously transferred into these majors. Applicants must have a minimum 2.0 GPA overall and are considered on a competitive GPA and space available basis. Once admitted to the major, students having attempted 72 semester hours (including transfer, advanced placement, advanced standing, credit by examination, and course withdrawal hours) must maintain an overall GPA of 2.0 or better and an in-major GPA of 2.0 or better (in-major credits are indicated by the # on the departmental checksheet). Any student whose GPA falls below this standard will have one semester to regain an overall and in-major GPA of 2.0 or better. Failing to achieve this standard for any two semesters will result in the student being asked to leave the major and having his/her registration blocked until he/she files a change of major.

**FOOTNOTES**

- <sup>1</sup> Satisfactory progress toward a degree: Upon having attempted 72 semester credits (students who entered Pamplin as freshmen), or 90 semester credits (students who transferred into Pamplin), a student must: (1) achieve no grade lower than a C- in Math 1525 and 1526 (or acceptable equivalents); ACIS 1504, 2115, and 2116; BIT 2405 and 2406; ECON 2005 and 2006, and (2) achieve a minimum GPA of 2.0 in the combination of courses previously listed. Students who have not met the requirements will be notified upon reaching 60 credits (or 72 credits for transfer students) that they have one semester of enrollment (fall or spring) to rectify any deficiencies. Failing to do so will result in a student being required to transfer to another college at Virginia Tech. This policy is strictly enforced.
- <sup>2</sup> Social science courses should be selected from any courses in Economics (beyond Principles), Geography, History (except 1024, 1025, 1026, or 2054), International Studies, Political Science (except 3015-3016), Psychology, and Sociology; or any course approved for Area 3 of the Curriculum for Liberal Education.
- <sup>3</sup> COMM 2004 Public Speaking is required for all Business majors who did not take COMM 1015-1016. It may be completed in the sophomore, junior or senior year.
- <sup>4</sup> Free electives must include at least one hour from the Curriculum for Liberal Education Area 6: Creativity and Aesthetic Experience. The Curriculum for Liberal Education Area 7: Critical Issues in A Global Context, may be used to meet another requirement or taken as a free elective.
- <sup>5</sup> Equivalent Math courses may be substituted. Completes the Curriculum for Liberal Education requirement in Area 5: Quantitative and Symbolic Reasoning.
- <sup>6</sup> Depending on the student's emphasis and as long as the prerequisites are met, courses that will satisfy the BIT elective requirement include:

**Option Electives**

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|---|---|
| <ul style="list-style-type: none"> <li>BIT 3454 Business Process Improvement</li> <li>BIT 3464 Enterprise Planning &amp; Control Systems</li> <li>BIT 4434 Computer Simulation in Business</li> <li>BIT 4464 Advanced Supply Chain Management</li> <li>BIT 4474 Global Operations &amp; Information Technology</li> <li>BIT 4534 Visual Interface Design for Decision Support</li> <li>BIT 4594 Electronic Commerce Systems</li> <li>BIT 4614 Information Security</li> </ul> | <ul style="list-style-type: none"> <li>BIT 4574 Advanced Networking for Business</li> <li>BIT 4584 Client/Server App Development for Business</li> <li>BIT 4564 Object-Oriented Systems Development for Bus</li> <li>BIT 4544 Advanced Methods in Business Analytics</li> </ul> |
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(May 2014)

*Approved*  
*Jh JH*  
*10/20/14*