

Pamplin College of Business
 Bachelor of Science in Business
 Major: Business Information Technology
 Major Option: Computer-Based Decision Support Systems (DSS)
 Checksheet for students graduating in calendar year 2007

| <u>FRESHMAN YEAR</u> (32 Semester Hours Required) | F | SP |
|---|---------|---------|
| ACIS 1504 Introduction to Business Information Systems ¹ | 3 _____ | |
| ENGL 1105-1106 Freshman English or COMM 1015-1016 Communication Skills ² | 3 _____ | 3 _____ |
| MATH 1525-1526 Elementary Calculus with Matrices ^{1, 3} (Area 5) | 3 _____ | 3 _____ |
| Area 4: Scientific Reasoning and Discovery | 3 _____ | 3 _____ |
| Area 4: Scientific Reasoning and Discovery Laboratory ⁴ | 1 _____ | 1 _____ |
| PSYC 2004 OR SOC 1004 Introductory Psychology or Sociology | 3 _____ | |
| Social Science Course ⁵ | | 3 _____ |
| Social Science Course ⁵ | | 3 _____ |

| <u>SOPHOMORE YEAR</u> (33 Semester Hours Required) | F | SP |
|--|---------|---------|
| ACIS 2115-2116 Principles of Accounting ¹ | 3 _____ | 3 _____ |
| BIT 2405-2406 Quantitative Methods ¹ | 3 _____ | 3 _____ |
| ECON 2005-2006 Principles of Economics ^{1, 6} | 3 _____ | 3 _____ |
| CS 1044 Introduction to Programming in C | 3 _____ | |
| Area 2: Ideas, Cultural Traditions and Values | 3 _____ | 3 _____ |
| COMM 2004 Public Speaking ⁷ or if COMM 1015-6 completed, then Non-Business Free Elective | | 3 _____ |
| CS 1054 Intro to Programming in JAVA | | 3 _____ |

PRIOR TO PROCEEDING WITH YOUR JUNIOR LEVEL COURSEWORK YOU MUST COMPLETE THE UPPER DIVISION REQUIREMENTS AS NOTED IN FOOTNOTE 1.

| <u>JUNIOR YEAR</u> (30 Semester Hours Required) | F | SP |
|--|---------|---------|
| # BIT 3444 Advanced Business Computing and Applications | 3 _____ | |
| # BIT 3414 Production and Operations 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 Management Science | | 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) ⁸ | | 3 _____ |

| <u>SENIOR YEAR</u> (30 Semester Hours Required) | F | SP |
|---|---------|---------|
| # BIT 4434 Computer Simulation in Business (Satisfies In-Major WI ² Requirement) | 3 _____ | |
| # BIT Option Courses (as indicated on the next page) | 6 _____ | 3 _____ |
| # MGT 4394 Business Policy and Strategy | | 3 _____ |
| Additional Free Elective ⁸ | | 3 _____ |
| # BIT Elective ⁹ | | 3 _____ |
| Free Electives (at least three hours of which must be the second WI course) ⁸ | 6 _____ | 3 _____ |

OPTION I - COMPUTER BASED DSS Option Courses

- # ACIS 3515 Information Systems Development
- # BIT 4514 Database Technology for E-Business OR ACIS 4515 Database Management Systems
- # BIT 4444 Decision Support Systems
- # BIT 4454 Seminar in DSS Design & Implementation
- # BIT 4554 Networks and Telecommunications in Business

GENERAL INFORMATION

This checksheet applies to students completing their degrees in calendar year 2007 in the terms ending May, June, August, or December. A total of 125 semester hours is required for graduation. At least 50% of the curriculum should be taken in general education courses (all courses outside the Pamplin College of Business plus BIT 2405-6. All economics courses are outside the college.) To meet this criteria **students in the DSS option (I) must take 7 semester hours of the 15 semester hours free electives outside the departments of ACIS, BIT, FIN, MGT, and MKTG.** 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, 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.

FOOTNOTES

- ¹ Prior to enrolling in junior business courses, students must: have earned at least 60 semester hours; have a GPA of 2.0 or better in the combined series in MATH, ACIS, BIT, and ECON courses with no grade lower than a C- in any of these courses; and have a cumulative GPA of 2.0 or better for all coursework. In order to graduate, students must have an overall GPA of at least 2.0 and an in-major GPA of at least 2.0.
- ² In addition to the Freshman English/Communication Skills requirement, students must complete another six credit hours from approved Writing Intensive (WI) courses, three of which must be within their major (see senior year).
- ³ Equivalent Math courses may be substituted. Completes the University Core Requirement in Area 5: Quantitative and Symbolic Reasoning.
- ⁴ Effective for students entering Fall 2003 and thereafter, there has been an administrative waiver of the two credit hours of related laboratory courses as stipulated in Area 4 of the Undergraduate University Core. IMPORTANT NOTE: this waiver does not eliminate any credit hours from the total 125 credits required for graduation. The two credit hours eliminated from Area 4 must be made up as free electives.
- ⁵ Social science courses should be selected from any courses in Economics (beyond Principles), Geography, History (except HIST 1024, 1025, 1026, or 2054), International Studies, Political Science (except PSCI 3015-3016), Psychology, and Sociology; or any course approved for Area 3 of the University Core.
- ⁶ ECON 2005 and 2006 will satisfy the University Core Requirement in Area 3: Society and Human Behavior.
- ⁷ 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.
- ⁸ Free electives must include at least one hour from the University Core Area 6: Creativity and Aesthetic Experience. The University Core Area 7: Critical Issues in A Global Context, may be used to meet another requirement or taken as a free elective.
- ⁹ Depending on the student's emphasis and as long as the prerequisites are met, courses that will satisfy the BIT elective requirement include:

Option I Electives

- BIT 3454 Quality & Process Improvement Methods
- BIT 3464 Enterprise Planning & Control Systems
- BIT 4474 Global Operations & Information Technology
- BIT 4484 Project Management
- BIT 4534 Visual Interface Design for Decision Support
- BIT 4544 Artificial Intelligence for Decision Support
- BIT 4564 Object-Oriented Systems Development for Business
- BIT 4574 Advanced Networking for Business
- BIT 4584 Client/Server App Development for Business
- BIT 4594 Electronic Commerce Systems
- BIT 4614 Information Security