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VirginiaTech
Invent the Future
Pamplin College of Business

ACCOUNTING AND INFORMATION SYSTEMS MAJOR
MAJOR OPTION: INFORMATION SYSTEMS (ISO)

Department of Accounting and Information Systems

Bachelor of Science in Business
For students graduating in calendar year **2017**

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) [10]	F	SP
ACIS 1504 Introduction to Business Information Systems [1]	3	
ENGL 1105-06 First Year Writing or COMM 1015-6 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
PSYC 1004 **OR** SOC 1004 Introductory Psychology or Sociology	3	
Social Science Course [4] [Recommend you select an Area 7 course.]		3
Social Science Course [4]		3

SOPHOMORE YEAR (35 Semester Hours Required) [10]	F	SP
ACIS 2115 Principles of Accounting [1]	3	
ACIS 2116 Principles of Accounting [1] (Pre: ACIS 2115 Min Grade of C- or better)		3
BIT 2405-2406 Quantitative Methods [1]	3	3
ECON 2005-2006 Principles of Economics [1] (Area 3)	3	3
Area 2: Ideas, Cultural Traditions and Values	3	3
COMM 2004 Public Speaking [5]		
OR Free Elective (only if completed COMM 1015-1016)	3	
Free Electives (at least one hour must be Area 6) [6, 9]	3	2
CS 1054 Introduction to Programming in JAVA		3

JUNIOR YEAR (30 Semester Hours Required) [7, 10]	F	SP
#ACIS 3515 Information Systems Development (Pre: CS 1054 or CS 1114 or CS 1124 or CS 1705)	3	
#ACIS 3516 Information Systems Development (Pre: ACIS 3515)		3
#ACIS 4534 Accounting Information Systems Architecture (Pre: ACIS 3504 or ACIS 3515 or BIT 3424)		3
#ACIS 4554 Networks and Telecommunications in Business (Pre: ACIS 3504 or ACIS 3515 or BIT 3424)		3
BIT 3414 Production and Operations Management	3	
FIN 3104 Introduction to Finance	3	
FIN 3054 Legal and Ethical Environment of Business		3
MGT 3304 Management Theory and Leadership Practice		3
MKTG 3104 Marketing Management	3	
ACIS or Free Elective [6, 9]	3	

SENIOR YEAR (30 Semester Hours Required) [7, 10]	F	SP
#ACIS 3564 Management Information Systems (Pre: ACIS 1504, ACIS 2115, ACIS 2116) **or**	3	
ACIS 5514 Management of Information Systems [11]		
#ACIS 4514 Database Management Systems (Pre: ACIS 3515)	3	
#ACIS 4524 Applied Software Development Project (Pre: ACIS 3515 or ACIS 4514)		3
#ACIS 4684 Information Systems Security and Assurance (Pre: ACIS 4534 or ACIS 4554 or BIT 4554)		3
ACIS Electives [8]	3	3
MGT 4394 Business Policy and Strategy		3
ACIS or Free Electives (must fulfill Area 7, unless satisfied elsewhere.) [9]	6	3

THE FOOTNOTES AND SPECIAL NOTATIONS ON THE REVERSE SIDE ARE AN INTEGRAL PART OF THIS CHECKSHEET.

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FOOTNOTES

[1] 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.

[2] Students entering Virginia Tech for the first time in Fall 2005 or later must meet the department's ViEWS requirement. The ACIS ViEWS requirement incorporates written, spoken and visual communication skills in required courses. You will meet this requirement by following this checksheet.

[3] Equivalent Math courses may be substituted. These courses will complete the Curriculum for Liberal Education Requirement in Area 5.

[4] Social science courses may 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 Curriculum for Liberal Education. If one of these classes also fulfills Area 7 the one class will satisfy both requirements.

[5] 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 year or senior year.

[6] Free electives must include at least one hour from the Curriculum for Liberal Education Area 6: Creativity and Aesthetic Experience. The course taken to fulfill 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.

[7] The Information Systems Option **does not prepare** students to sit for the CPA exam.

[8] ACIS Elective courses must be taken from the following list (any combination of these classes is adequate for graduation):

ACIS 3314 Tax Impact on Decisions	ACIS 3954 Study Abroad	ACIS/BIT 4564 Obj-Oriented Sys Dev for Bus
ACIS 3414 Auditing, Gov. & Prof Ethics	ACIS 4024 IS Audit & Control	BIT 3424 Computer Modeling and Dec Analysis
ACIS/BIT 3544 Mgt Info Sys & Tech	ACIS 4214 Cost Planning & Control	BIT 3444 Advanced Bus Comp and Appl

Caution: All elective courses might not be offered each academic year.

The ACIS electives are to be selected by you based on your interests. Different sets of courses can be combined to support different interests. For example, students with an interest in information systems development might select ACIS/BIT 3544 and ACIS/BIT 4564, while students with an accounting/tax interest might select ACIS 3314 and ACIS 4024, and students with an interest in auditing of information systems might select ACIS 3414 and ACIS 4024. See your course advisor to discuss various course combinations. Students interested in graduate school at Virginia Tech must take ACIS 4214.

[9] ACIS or Free electives are to be selected by you in consultation with your course advisor.

[10] If all courses are taken in the sequence indicated on this checksheet, students will not encounter problems with prerequisites. Not all courses are offered all semesters. Some are Fall only; some are Spring only. Please check with your advisor to properly schedule your courses during the last two years.

[11] If you have been admitted to the 152-hour program, you may take ACIS 5514 in place of ACIS 3564 as the course that will double count toward both your undergraduate and your master degree in ACIS.

SPECIAL NOTATIONS:

A. Accounting and Information Systems Majors are required to have *125 semester hours* to graduate.

B. Overall and In-Major GPA: Students must have an overall GPA of at least a 2.0 and an in-major GPA of at least a 2.0 to graduate. Courses used to calculate the in-major GPA are noted with a # (e.g., #ACIS 3515). When an ACIS major reports their In-Major GPA on a résumé or application for employment the In-Major GPA may include grades received in **all** courses attempted with the ACIS prefix, including 1000 and 2000-level ACIS courses.

C. Transferring Courses: All 3000-4000 level ACIS courses 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 titled "Authorization to Take Courses Elsewhere."

D. Students interested in the Information Systems Option of the Masters of Accounting and Information Systems should select their elective courses from the list of prerequisite courses on the Masters Program of Study for the Information Systems Option. The Masters Program of Study is available in the Department office, Pamplin 3007. You are encouraged to talk to an advisor about the masters program and **apply** the second semester of your junior year.

E. 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 semester hours of a single foreign, classical, or sign language at the college level. Courses taken to meet this requirement do not count toward the hours required for graduation. Please consult the Undergraduate Catalog for details.

F. Restricted Major Requirements: (1) Completion of and minimum GPA of 2.5 in ACIS 1504, ECON 2005, MATH 1525 and 1526. (2) Minimum 2.0 GPA overall. Applicants are considered on a competitive GPA and space available basis. (3) Minimum 2.5 GPA in all ACIS, ECON, and BIT lower division courses.

DEPARTMENTAL POLICY ON SATISFACTORY PROGRESS

All students in the accounting and information systems major having attempted 72 semester hours (including transfer, advanced placement, advanced standing, credit by examination, and course withdrawal) must maintain an overall GPA of 2.0 or better and an in-major GPA of 2.0 or better. 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 requested to leave the major and having his/her registration blocked until they file a change of major. (The in-major GPA includes all 3000 and 4000 level ACIS courses.)

(updated: March 2015)