

SAM HOUSTON STATE UNIVERSITY

CURRICULUM REPORT

Curriculum Requests Associated with New/Altered Degree Programs

**To Become Effective
Fall 2008
(Pending Approval)**



**SUBMITTED BY
SAM HOUSTON STATE UNIVERSITY**

**TO THE
BOARD OF REGENTS
THE TEXAS STATE UNIVERSITY SYSTEM**

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A Member of The Texas State University System

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TO

THE BOARD OF REGENTS

THE TEXAS STATE UNIVERSITY SYSTEM

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**SUMMARY TABLE
SHOWING MAGNITUDE OF REQUESTS
FOR THE ADDITION, DELETION, AND CHANGES IN COURSES**

DEPARTMENT	COURSE ADDITIONS	COURSE DELETIONS	COURSE CHANGES: PREFIX, NUMBER, AND/OR TITLE	NET ADDITIONS/ DELETIONS
COLLEGE OF ARTS AND SCIENCES				
Computer Science	9	0	0	+9
COLLEGE OF BUSINESS ADMINISTRATION				
Accounting	3	0	0	+3
COLLEGE OF CRIMINAL JUSTICE				
None	0	0	0	0
COLLEGE OF EDUCATION				
None	0	0	0	0
COLLEGE OF HUMANITIES AND SOCIAL SCIENCES				
None	0	0	0	0
SAM HOUSTON STATE UNIVERSITY RECAP				
TOTALS	12	0	0	+12

COLLEGE OF ARTS AND SCIENCES
Curriculum Report 2008-2009
Summary by Action

A: indicates a recommendation for approval
D: indicates a recommendation for disapproval

	<u>COMMITTEE RECOMMENDATION</u>	<u>AAC RECOMMENDATION</u>	<u>VPAA RECOMMENDATION</u>
<u>A. COURSES TO BE ADDED</u>			
CS 534	A	A	A
CS 535	A	A	A
CS 537	A	A	A
CS 568	A	A	A
CS 661	A	A	A
DF 564	A	A	A
DF 566	A	A	A
DF 589	A	A	A
DF 637	A	A	A

B. COURSES TO BE DELETED

None

C. CHANGES IN COURSE TITLE

None

D. CHANGES IN COURSE NUMBER

None

E. CHANGES IN COURSE TITLE AND COURSE NUMBER

None

F. CHANGES IN COURSE PREFIX

None

COLLEGE OF BUSINESS ADMINISTRATION
Curriculum Report 2008-2009
Summary by Action

A: indicates a recommendation for approval
D: indicates a recommendation for disapproval

	<u>COMMITTEE RECOMMENDATION</u>	<u>AAC RECOMMENDATION</u>	<u>VPAA RECOMMENDATION</u>
<u>A. COURSES TO BE ADDED</u>			
ACC 568	A	A	A
ACC 584	A	A	A
ACC 586	A	A	A

B. COURSES TO BE DELETED

None

C. CHANGES IN COURSE TITLE

None

D. CHANGES IN COURSE NUMBER

None

E. CHANGES IN COURSE TITLE AND COURSE NUMBER

None

F. CHANGE IN COURSE PREFIX

None

COLLEGE OF CRIMINAL JUSTICE
Curriculum Report 2008-2009
Summary by Action

- A: indicates a recommendation for approval
D: indicates a recommendation for disapproval

COMMITTEE
RECOMMENDATION

AAC
RECOMMENDATION

VPAA
RECOMMENDATION

A. COURSES TO BE ADDED

None

B. COURSES TO BE DELETED

None

C. CHANGES IN COURSE TITLE

None

D. CHANGES IN COURSE NUMBER

None

E. CHANGES IN COURSE TITLE AND COURSE NUMBER

None

F. CHANGE IN COURSE PREFIX

None

COLLEGE OF EDUCATION
Curriculum Report 2008-2009
Summary by Action

- A: indicates a recommendation for approval
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COMMITTEE
RECOMMENDATION

AAC
RECOMMENDATION

VPAA
RECOMMENDATION

A. COURSES TO BE ADDED

None

B. COURSES TO BE DELETED

None

C. CHANGES IN COURSE TITLE

None

D. CHANGES IN COURSE NUMBER

None

E. CHANGES IN COURSE TITLE AND COURSE NUMBER

None

F. CHANGES IN COURSE PREFIX

None

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES
Curriculum Report 2008-2009
Summary by Action

- A: indicates a recommendation for approval
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COMMITTEE
RECOMMENDATION

AAC
RECOMMENDATION

VPAA
RECOMMENDATION

A. COURSES TO BE ADDED

None

B. COURSES TO BE DELETED

None

C. CHANGES IN COURSE TITLE

None

D. CHANGES IN COURSE NUMBER

None

E. CHANGES IN COURSE TITLE AND COURSE NUMBER

None

F. CHANGES IN COURSE PREFIX

None

**College of Arts and Sciences
Curriculum Report 2008-2009**

Department of Computer Science

Courses to be Added

CS 534 Operating System Security

This course is designed to provide advanced knowledge of operating system security and methodologies. It provides the academic and professional background in operating security necessary for forensic and computer security specialists. In addition, it provides a practical laboratory oriented approach to securing and defending operating systems. This course is an essential prerequisite for the Master's degree in Information Assurance and Security.

CS 535 Malware

This course provides professionally-oriented information and concepts associated with a variety of malicious code types and the security risks introduced by them. The course outlines a classification scheme for malware and their infection strategies together with system, network and organizational defense strategies designed to counter exploitation. The course also examines the architecture of malware and the implications of that architecture to effective defense design. Particular attention is paid to the avoidance, detection and inoculation of malware as well as to strategies for recovery from attack. The course is an elective component of the Master of Science degree in Information Assurance and Security .

CS 537 Database Security

This course is designed to provide advanced knowledge in database security concepts and implementation methodologies. It provides the academic and professional background in database security necessary for the development, deployment and maintenance of high-end enterprise-level database applications. In addition, the course provides a practical laboratory-oriented approach to securing, defending and deploying databases and their associated systems. This course will be required for the proposed Master of Science in Information Assurance and Security program.

CS 568 Cryptography and Steganography

This course is designed to provide advanced knowledge in cryptography and steganography and supports the proposed degree Master of Science program in Information Assurance and Security in providing practical mechanisms for ensuring and improving authentication and privacy in data storage and communication. Without a fundamental understanding of the theoretical and practical attributes, including limitations of cryptographic and steganographic systems, the Information Security professional cannot function effectively. This course is therefore a required course in the proposed Information Assurance and Security degree program.

CS 661 Network Security II

This course is designed to provide advanced knowledge for network defense and countermeasure methodologies. It provides the academic and professional background in network security necessary for network security specialists. In addition, it provides a practical laboratory oriented approach to securing and defending network systems. This course will be elective for the Master of Science in Information Assurance and Security degree program.

DF 564 Organization System Security

This course provides the organizational context in which much of the technical material associated with the Master of Science in Information Assurance and Security degree program is implemented. The course traces the role of the organization security officer through planning, implementation, physical and technical management, and incident response together with non-financial audit and documentation for legal proceedings. The course provides a direct connection between the components of the Master of Science in Information Assurance and Security and the eventual professional role that will be assumed by many graduates of the program. This course is a required component of the Master of Science in Information Assurance and Security.

DF 566 Risk Assessment and Financial System Security

This course is designed to provide advanced knowledge in risk management from an information technology perspective. The course covers both basic and advanced topics in IT risk management including approaches to identifying IT assets and evaluation techniques in determining both the level of threat to those assets and the potential loss associated with damage, loss or disclosure of those assets. The course provides a foundation in competing strategies for asset protection together with extensive case studies in risk management.

DF 589 Disaster Recovery

Disaster recovery is a fundamental component to any information assurance program. The post-industrial world is dependent upon information systems as part of its foundational infrastructure, and those systems have known characteristics in terms of their capacity for failure from both environmental as well as malign events. Disaster recovery provides the appropriate knowledge and skills to effectively plan for failure in such a way that organizational knowledge assets are preserved and systems restored with minimum loss or disruption. This course is an essential component of the Master of Science degree in Information Assurance and Security.

DF 637 Directed Management and Development Project

This course represents a capstone course, integrating the skills, knowledge, concepts, and protocols gained by students during their graduate program in a comprehensive project designed to meet and overcome real-world professional problems. The Association of Computer Machinery identifies, in its curriculum 2001 and 2005 documents, the necessity for capstone courses as a valuable means of preparing students for the professional arena and for developing in those students a greater sense of the structural unity of the degree program. This course is an essential requirement of the Master of Science degree in Information Assurance and Security and of the Master of Science degree in Digital Forensics.

**College of Business Administration
Curriculum Report 2008-2009**

Department of Accounting

Courses to be Added

ACC 568 Governmental and Not-for-Profit Accounting

Graduate students enrolled in the MS in Accounting program are preparing for professional careers in accounting, including meeting the qualification to sit for the Uniform CPA Examination. Governmental and not-for-profit accounting are specialized areas within financial accounting and utilize concepts and tools not required in accounting for commercial entities. Because these special areas are covered on the financial accounting section of the examination, well-prepared students must have knowledge of governmental and not-for-profit accounting. Also, many students will use this knowledge in auditing or other professional capacities as practicing accountants.

ACC 584 Corporate and Pass Through Entity Taxation

This course is needed to support the mission of the accounting program that equips our graduates to meet the requirements of the accounting profession. The increasing complexity of the tax laws and codes along with the need for students to practice their skills in tax research as required by the revised format and content of the Uniform CPA examination mandate the movement of this course to a graduate environment. This course provides accounting majors with the requisite knowledge and understanding of corporate and pass through entity taxation that is necessary to practice in both the public and the corporate environments. This is the only tax course of its nature in the accounting curriculum.

ACC 586 Professional Ethics and Responsibility

This course is needed to support the mission of the accounting program that equips our graduates to meet the requirements of the accounting profession. The increasing complexity of the various laws, regulations, codes; the pressures of the profession; the well publicized shortcoming of ethical behavior by CPA's and business professionals, combined with the need for students to have taken this type of course to be able to sit for the Uniform CPA examination, mandate the movement of this course to a graduate environment. This course provides accounting majors with the requisite knowledge and understanding of professional ethics and responsibilities that is necessary to practice in both the public and the corporate environments. This is the only course of its nature in the accounting curriculum. Further, by movement of the course to graduate level, it more appropriately meshes with the appropriate "target" students.

**College of Criminal Justice
Curriculum Report 2008-2009**

There are no curriculum changes for the College of Criminal Justice for this cycle.

**College of Education
Curriculum Report 2008-2009**

There are no curriculum changes for the College of Education for this cycle.

**College of Humanities and Social Sciences
Curriculum Report 2008-2009**

There are no curriculum changes for the College of Humanities and Social Sciences for this cycle.

**Proposed New/Altered Degree Programs
Curriculum Report 2008-2009**

- A: indicates a recommendation for approval
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	<u>COMMITTEE RECOMMENDATION</u>	<u>AAC RECOMMENDATION</u>	<u>VPAA RECOMMENDATION</u>
Add a Degree Program Leading to the Master of Science Degree with a Major in Information Assurance and Security in the College of Arts and Sciences	A	A	A
Add a Degree Program Leading to the Master of Science Degree with a Major in Accounting in the College of Business Administration	A	A	A
Add a Degree Program Leading to the Bachelor of Science Degree with a Major in History in the College of Humanities and Social Sciences	A	A	A

Please reference the full-text degree proposals for more details.