

INFORMATION TECHNOLOGY

### Summary of Requirements for Double Major in Secondary Teacher Education

If you wish to complete a Maryland State-approved program in teaching secondary social studies, you must:

- Complete the BA/BS in history in either concentration.
- Declare a second major in Secondary Teacher Education. See your History Department advisor or the Secondary Program Coordinator for details.
- In addition to the regular major requirements, you must take coursework in economics, geography, political science, and social science in order to qualify for Maryland State certification in social studies and to meet NCATE accreditation standards.

*Social Studies Content Courses*

- Six hours of economics: this could be met by taking ECON 201 (GEP D) and 202 or by taking ECON 200 (GEP D) and ECON 201, ECON 303, or ECON 307. One of these can double-dip in the GEPs.
- Six hours of geography: this could be met by taking GEOG 103 (GEP C) and either GEOG 104 or 110 (both GEP D or F), or by taking either GEOG 104 or 110 and any upper level human geography course.
- Six hours of political science: this could be met by taking two of POSC 110, POSC 113, or 131 (all three GEP D) or taking any of the three and any upper level politics course.
- Three hours of interdisciplinary social science: this will be met by taking either SOSC 350 or SOSC 490.

# Information Technology

<b>Major</b>		<b>MAJOR</b>	<b>MINOR</b>
<b>Minor</b>		<b>Hours Required in Computer Science &amp; Information Technology:</b>	<b>18</b>
		<b>Hours Required in Other Departments:</b>	<b>0</b>
<b>Tracks in</b>		<b>Total Hours Required:</b>	<b>18</b>

- ACCOUNTING
- BUSINESS INFORMATION TECHNOLOGY
- COMPUTER SECURITY
- GRAPHIC ARTS
- MASS COMMUNICATION

**See related programs:**

- COMPUTER INFORMATION SYSTEMS MAJOR & MINOR
- COMPUTER SCIENCE MAJOR & MINOR
  - CONCENTRATION IN NETWORKS
- CERTIFICATES IN:
  - SOFTWARE DEVELOPMENT
  - PROGRAMMING
  - NETWORKING

**Professors:**

Chitsaz, Rinard (Chair)

**Associate Professors:**

M. Flinn, Zheng

**Assistant Professors:**

Pan, Xiao, Xu

**Lecturers:**

Gbenro, S. Kennedy

### Summary of Requirements for Major/Minor in Information Technology

**1. Core Courses: (15 hours)**

- COSC 100/110 Introduction to Computer Science (Tech. Fluency)  
or COSC 101 The Discipline of Computer Science (Tech. Fluency)
- COSC 102 Foundations of Computer Science
- COSC 130 Introduction to Programming
- COSC 305 Computer Ethics
- ITEC 315 Programming

**2. Required Advanced Courses: (22 hours)**

- COSC 300 Structured Systems Analysis and Design
- ITEC 312 Human-Computer Interaction
- ITEC 345 Database Systems I
- ITEC 355 Network Implementation
- ITEC 360 Operating Systems
- ITEC 470 Security and Risk Management
- ITEC 480 Project Management
- ITEC 489 Capstone Course

**3. Other Required Courses: (12-13 hours)**

- CMST 102/112 Introduction to Human Communication
- ENGL 338 Technical Writing (Core Skill 2)
- MATH 109/110 Elements of Applied Probability & Statistics (Core Skill 3)  
or MATH 380 Intro. To Probability & Statistics
- MATH 220 Calculus for Applications I  
or MATH 236 Calculus I (Core Skill 3)

**4. Electives: (6 hours):**

Choose a minimum of 6 hours in at least two courses:

- ITEC 363 PC Module Installation and Maintenance
- ITEC 364 PC Software Installation and Maintenance
- ITEC 410 Diversity in the Global Information Technology
- ITEC 414 Knowledge Management
- ITEC 442 Electronic Commerce
- ITEC 445 Database Systems II
- ITEC 452 Network Administration and Security
- ITEC 462 Emerging Issues and Technologies
- ITEC 475 Computer and Cyber Forensics
- ITEC 491 Seminar in Information Technology
- ITEC 494 Field Experience in Information Technology
- ITEC 499 Individual Problems in Information Technology

**5. Tracks/Application Areas (12 hours):**

Choose one of the following tracks/application areas:

**Accounting**

- ACCT 211 Financial Accounting
- ACCT 212 Managerial Accounting
- ACCT 305 Accounting Systems
- ACCT 311 Intermediate Accounting I

**Business Information Technology**

- BUAD 100 Introduction to Business
- MGMT 251 Management of Organizations
- MGMT 356 Leadership and Human Behavior
- MGMT 405 Business Ethics and Social Responsibility

**Computer Security**

- IDIS 150 First Year FSU Colloquium: Personal Security and Privacy in the Age of Information

- Computer science and information technology courses must have a grade of C or better to be applied towards major or minor requirements.
- You may receive credit by examination for the following courses: COSC 100, 101.

ITEC	452	Network Administration and Security
ITEC	462	Emerging Issues and Technologies
ITEC	475	Computer and Cyber Forensics

### Graphic Arts

ART	104	Two-Dimensional Design
ART	105	Three-Dimensional Design
ART	207	Graphic Design
ART	307	Computer Graphics

### Mass Communication

MCOM	105	Introduction to Mass Communication
MCOM	246	Intro to Mass Communication Research Methods
MCOM	287	Intro to Video Production
MCOM	346	Mass Communication Theory

## Requirements for Minor in Information Technology

COSC	101	The Discipline of Computer Science ( <i>Tech. Fluency</i> ) or COSC 100 Introduction to Computer Science ( <i>Tech. Fluency</i> )
COSC	130	Introduction to Programming
COSC	300	Structured Systems Analysis and Design
ITEC	345	Database Systems I
ITEC	442	Electronic Commerce

and select one course from the following:

ITEC	312	Human-Computer Interaction
ITEC	410	Diversity in Global Information Technology

# International Area Studies

## Certificate

### Coordinator:

Richard Russo, Assistant Professor,  
Department of Geography

- Students participating in a study abroad program may apply courses to this certificate if the courses transfer for upper division credit and are appropriate for the areas of the world identified. Students must conform to FSU rules in using transfer credits for this certificate. These rules include obtaining prior approval before taking courses and a limit on the number of transferred credits that may be applied to the certificate.

## Summary of Requirements for Certificate in International Area Studies

Choose Option 1, 2, 3 or 4: (12 hours)

### 1. Europe:

(choose from at least three disciplines)

ART	360	Western Art History
GEOG	401	Geography of Europe
GEOG	402	Geography of Northern Eurasia
HIST	376	Modern Europe
HIST	404	Revolutionary and Soviet Russia
POSC	333	Politics of Europe
POSC	431	Russian Politics
FREN	250	or above (250 – GEP Group B)
SPAN	250	or above (250 – GEP Group B)

### 2. Latin America:

(choose from at least three disciplines)

ART	302	Artistic Traditions: Africa and the Americas (GEP Group F)
GEOG	320	Geography of Latin America
HIST	304	History of Latin America
HIST	418	Native Peoples of the Americas (GEP Group F)
HIST	450	The History of Mexico
HIST	455	Latin American Revolutions
POSC	331	Politics of Latin America
POSC	435	Model Organization of American States
SPAN	250	or above (250 – GEP Group B)

### 3. Africa and the Middle East:

(choose from at least three disciplines)

ART	302	Artistic Traditions: Africa and the Americas (GEP Group F)
GEOG	403	The Geography of Sub-Saharan Africa
GEOG	404	Geography of the Middle East
HIST	341	Modern and Contemporary Middle East
HIST	353	Contemporary Africa
PHIL	311	Asian and African Philosophy (GEP Group F)
POSC	330	Politics of Africa
POSC	332	Politics of the Middle East
FREN	250	or above (250 – GEP Group B)

### 4. Asia:

(choose from at least two disciplines)

ART	301	Artistic Traditions: Asia (GEP Group F)
GEOG	400	Geography of Asia
HIST	357	India
HIST	360	Modern and Contemporary Asia
HIST	437	History of Korea
HIST	458	History of China
HIST	459	History of Japan
PHIL	311	Asian and African Philosophy (GEP Group F)