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

<table>
<thead>
<tr>
<th>Major</th>
<th>Minor</th>
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<tbody>
<tr>
<td>Hours Required in Computer Science &amp; Information Technology:</td>
<td>43-52</td>
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<tr>
<td>Hours Required in Other Departments:</td>
<td>15-25</td>
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<tr>
<td>Total Hours Required:</td>
<td>67-68</td>
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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 2)
   - 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
International Area Studies

Certificate

Coordinator:
Richard Russo, Assistant Professor, Department of Geography

- 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.

- 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

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 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)