12. Change in Curriculum

**College of Geosciences**
Department of Geography
B.S. in Geography
Geographic Information Science (GIS) Option
November 28, 2007

MEMO

TO:     Dr. Bob Knight
        Chair, UCC

THRU:  Dr. Vatche Tchakerian
        Assoc. Dean for Student Affairs

THRU:  Dr. Douglas Sherman
        Dept. Head, Geography

FROM:  Dr. Charles Lafon, Chair
        Geography Undergraduate Committee

RE:     Reduction of geography degree plans to 120 SCH

Attached are the proposed degree plans (and those currently in use) for the undergraduate degrees in geography. The generic geography, GIS, and spatial sciences degree plans have all been reduced to 120 SCH as follows.

• **Geography (from 128 to 120 hours)**—reduced free electives by 8 hours.
• **Geography with GIS option (from 127 or 128 to 120 hours)**—reduced directed electives by 4 hours; reduced computer science by 4 hours by removing CPSC 211.
• **Spatial Sciences (from 131 to 120 hours)**—the changes we propose for SPSG are identical to those proposed for SPSA by the College of Agriculture and Life Sciences.
MEMORANDUM

TO: Valerie Taylor
Department of Computer Sciences

THROUGH: Vatche Tchakerian
Associate Dean of Academic Affairs

THROUGH: Douglas Sherman, Head
Department of Geography

FROM: Charles Lafon, Chair
Geography Undergraduate Committee

DATE: February 28, 2007

SUBJECT: Reduction of Geography Degree Plans to 120 SCH

We wish to notify you that, because of the mandate to reduce degree plans to 120 hours, CPSC 211 has been removed as a requirement for the GIS option in the Geography B.S. degree.
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<td>Junior Year Seminar</td>
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<td>CRN 30A</td>
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**Sophomore Year**

- **CRN 10** Social Studies 101
- **CRN 20** Social Studies 202
- **CRN 30** Social Studies 303
- **CRN 40** Social Studies 404

**Junior Year**

- **CRN 10** History I
- **CRN 20** History II
- **CRN 30** History III
- **CRN 40** History IV

**Senior Year**

- **CRN 10** Advanced Spanish
- **CRN 20** Advanced French
- **CRN 30** Advanced German
- **CRN 40** Advanced Russian

**First Year**

- **CRN 10** Introduction to Psychology
- **CRN 20** Introduction to Sociology
- **CRN 30** Introduction to Anthropology
- **CRN 40** Introduction to Economics

**Second Year**

- **CRN 10** Microeconomics
- **CRN 20** Macroeconomics
- **CRN 30** Econometrics
- **CRN 40** International Economics

**Third Year**

- **CRN 10** Advanced Microeconomics
- **CRN 20** Advanced Macroeconomics
- **CRN 30** Advanced Econometrics
- **CRN 40** Advanced International Economics

**Fourth Year**

- **CRN 10** Research Methods in Economics
- **CRN 20** Research Methods in Finance
- **CRN 30** Research Methods in Management
- **CRN 40** Research Methods in Accounting

**Graduate Level**

- **CRN 10** Advanced Topics in Economics
- **CRN 20** Advanced Topics in Finance
- **CRN 30** Advanced Topics in Management
- **CRN 40** Advanced Topics in Accounting

**Electives**

- **CRN 10** Introduction to Computer Science
- **CRN 20** Introduction to Statistics
- **CRN 30** Introduction to Art History
- **CRN 40** Introduction to Archaeology

**Required Core Courses**

- **CRN 10** Microeconomics
- **CRN 20** Macroeconomics
- **CRN 30** Econometrics
- **CRN 40** International Economics

**Capstone Course**

- **CRN 10** Senior Seminar

**Honors Program**

- **CRN 10** Honors Seminar
- **CRN 20** Honors Colloquium
- **CRN 30** Honors Thesis
- **CRN 40** Honors Research

**Study Abroad**

- **CRN 10** Study Abroad in Europe
- **CRN 20** Study Abroad in Asia
- **CRN 30** Study Abroad in Latin America
- **CRN 40** Study Abroad in Africa

**Internship Opportunities**

- **CRN 10** Internship in Investment Banking
- **CRN 20** Internship in Consulting
- **CRN 30** Internship in Corporate Finance
- **CRN 40** Internship in Public Policy

**Research Opportunities**

- **CRN 10** Research Assistantship
- **CRN 20** Research Fellowship
- **CRN 30** Research Grant
- **CRN 40** Research Collaboration

**Career Services**

- **CRN 10** Career Planning Workshop
- **CRN 20** Career Networking Seminar
- **CRN 30** Career Development Workshop
- **CRN 40** Career Exploration Seminar

**Advising Services**

- **CRN 10** Academic Advising
- **CRN 20** Career Advising
- **CRN 30** Personal Advising
- **CRN 40** Study Skills Advising

**Financial Aid**

- **CRN 10** Financial Aid Workshop
- **CRN 20** Scholarship Workshop
- **CRN 30** Grant Writing Workshop
- **CRN 40** Loan Counseling Workshop

**Graduate School Preparation**

- **CRN 10** Graduate School Preparation Workshop
- **CRN 20** Graduate School Application Seminar
- **CRN 30** Graduate School Interview Workshop
- **CRN 40** Graduate School Admission Workshop

**Certificate Programs**

- **CRN 10** Certificate in Business Analytics
- **CRN 20** Certificate in Data Science
- **CRN 30** Certificate in Financial Engineering
- **CRN 40** Certificate in Quantitative Methods

**Graduate Assistantships**

- **CRN 10** Graduate Teaching Assistantship
- **CRN 20** Graduate Research Assistantship
- **CRN 30** Graduate Administrative Assistantship
- **CRN 40** Graduate Service Assistantship

**Mentorship Program**

- **CRN 10** Mentorship Program for Undergraduates
- **CRN 20** Mentorship Program for Graduate Students
- **CRN 30** Mentorship Program for Alumni
- **CRN 40** Mentorship Program for Professionals

**Ethics and Professionalism**

- **CRN 10** Ethics in Business
- **CRN 20** Ethics in Economics
- **CRN 30** Ethics in Finance
- **CRN 40** Ethics in Management

**Health and Safety**

- **CRN 10** Health and Safety Seminar
- **CRN 20** Health and Safety Workshop
- **CRN 30** Health and Safety Training
- **CRN 40** Health and Safety Certification
Menlo College
Department of Geography

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General Requirements

- Minors in Geography and Geomatics:
  - 420 College of Coeronics/Geomatics
### GEOGRAPHY—Cat. 131

#### H.S. Foreign Language (2 yrs)

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1. The Amer. hist requirement may be satisfied by
   a. HIST 105 & 106, or
   b. HIST 105 & one of the following: HIST 226, 372, 373, 451, 455, 457, 460, 463, or
   c. HIST 106 & one of the following: HIST 226, 367, 368, 369, 416, 450, 457, 459, 462
2. BIOL 111, 112; or CHEM 101, 102; or GEOL 101, 106; or PHYS 201, 202.
3. Humanities and visual and performing arts electives to be chosen from the University Core Curriculum approved list, but must not include courses in geography that satisfy the Core Curriculum.
4. Courses to be approved by faculty.
5. The regional geography requirement may be satisfied by
   a. GEOG 301, 320, 321, 323, 325, 326, or
   b. GEOG 306, 320, 321, 323, 325, 326.
7. To be chosen from ENGL 203, 210, 235, 236, 241, 301.
8. Social and behavioral sciences electives to be chosen from the University Core Curriculum approved list, but must not include courses in geography that satisfy the Core Curriculum.
9. GEOG 331, 360, 361, 400, 401, 402, 403, 404, 406, 430, 433, 434, 435, 475, 476

Two courses in the degree plan must be Writing Intensive courses designated by the department in the schedule of classes. Also, International and Cultural Diversity Electives (6 hours) must be incorporated into the degree.
### GEOGRAPHY, Geographic Information Science Option—Cat. 131

#### Freshman Year

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5. To be chosen from ENGL 203, 210, 235, 236, 241, 301.

6. Social and behavioral sciences electives to be chosen from the University Core Curriculum approved list, but must not include courses in geography that satisfy the Core Curriculum.

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8. These courses must be chosen in consultation with student's advisor.

Two courses in the degree plan must be Writing Intensive courses designated by the department in the schedule of classes. Also, International and Cultural Diversity Electives (6 hours) must be incorporated into the degree.