COMPREHENSIVE MAJOR: MATERIALS SCIENCE, Liberal Arts

Physics of Materials Emphasis (Code 250-001)
Chemistry of Materials Emphasis (Code 250-002)
Geomaterials Emphasis (Code 250-003)
Liberal Arts Emphasis (Code 250-004)
Nanoscience Emphasis (Code 250-005)
Applied Materials Emphasis (Code 250-006)
Biomaterials Emphasis (Code 250-007)
Entrepreneurship Emphasis (Code 250-008)
Mathematics of Materials Emphasis (Code 250-009)

FROM: Page 154 of the 2015-16 Undergraduate Catalog
TO: COMPREHENSIVE MAJOR: MATERIALS SCIENCE, Liberal Arts

The structure of the major is unique: it integrates an engineering-oriented field into a liberal arts and sciences degree, and is thus deliberately interdisciplinary and broadly defined, consistent with a liberal education approach. Students specialize through a chosen emphasis. The major serves students who plan to enter the workforce after graduation as well as students interested in graduate education in areas such as Materials Science, Engineering, Chemistry, and Physics.

A minimum of 62 credits is required, including completion of core courses, at least four credits from courses in the Materials Science elective, and at least eight credits in a chosen emphasis. Credits applied towards the elective and emphasis must be unique credits.

Core courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSE 221</td>
<td>Materials World</td>
<td>3</td>
</tr>
<tr>
<td>MSE 315</td>
<td>Materials Characterization</td>
<td>4</td>
</tr>
<tr>
<td>MSE 334</td>
<td>Soft Materials</td>
<td>4</td>
</tr>
<tr>
<td>MSE 350</td>
<td>Thermodynamics of Materials</td>
<td>4</td>
</tr>
<tr>
<td>MSE 357</td>
<td>Phase Transformations</td>
<td>3</td>
</tr>
<tr>
<td>Msci 384</td>
<td>Mat. Sci. Jr. Seminar I</td>
<td>0.5</td>
</tr>
<tr>
<td>Msci 385</td>
<td>Mat. Sci. Jr. Seminar II</td>
<td>0.5</td>
</tr>
<tr>
<td>Msci 484</td>
<td>Senior Capstone I</td>
<td>1</td>
</tr>
<tr>
<td>Msci 485</td>
<td>Senior Capstone II</td>
<td>2</td>
</tr>
<tr>
<td>Chem 115</td>
<td>Chemical Principles or Chem 103 and 104 General Chemistry I and II (only six crs apply to major)</td>
<td>6</td>
</tr>
<tr>
<td>Chem 325</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>Math 114</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>Math 215</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>Phys 231</td>
<td>University Physics I</td>
<td>5</td>
</tr>
<tr>
<td>Phys 232</td>
<td>University Physics II</td>
<td>5</td>
</tr>
</tbody>
</table>

Elective courses (4 crs): Choose from MSE 362, 363, 367, 368, 372, 451, 475, or Msci 395, 399, 499. Up to two credits total from Msci 395, 399, and 499 may be applied towards the emphasis.

Physics of Materials Emphasis (Code 250-001)
Core and elective courses plus four credits from MSE/Phys 374 plus four credits chosen from Phys 255 or any Physics courses numbered 332 or higher.

Chemistry of Materials Emphasis (Code 250-002)
Core and elective courses plus eight credits chosen from Chem 213, 218, 274, 326, 460.

Geomaterials Emphasis (Code 250-003)
Core and elective courses plus eight credits chosen from Geol 312, 313, 330, 336, and 365.
Liberal Arts Emphasis (Code 250-004)
Core and elective courses plus eight credits from courses that reflect a thematic area of concentration and reflect intentional connections. Such an emphasis, created in consultation with a faculty advisor, must draw from courses appropriate for a major in another area distinct from Materials Science or its cognate subjects. At least two courses must have the same prefix.

Nanoscience Emphasis (Code 250-005)
Core and elective courses plus three credits from MSE 475 plus five credits chosen from MSE 362 and MSE/Phys 374.

Applied Materials Emphasis (Code 250-006)
Core and elective courses plus eight credits chosen from the following courses, at least two of which must have the same prefix: Math 312, 345, 443; Phys 255, 340, 350, 356, 360, 361, 362; Chem 213, 274; MSE 362, 363, 367, 372, 451, 475.

Biomaterials Emphasis (Code 250-007) - Suspend the Biomaterials Emphasis

Mathematics of Materials Emphasis (Code 250-008)
Core and elective courses plus eight credits chosen from Math 216 or any Math course numbered 312 or higher.

Entrepreneurship Emphasis (Code 250-009)
Core and elective courses plus at least eight credits from Mgmt 371, Mgmt 373, and Mgmt 374.

Notes:
1. Up to two credits from MSE 399 and 499 may be applied towards any emphasis, upon approval of a faculty advisor.
2. Math 312 is recommended for students planning on graduate school.

MAJOR: PHILOSOPHY, Liberal Arts (Code 400-200)
FROM: Page 177 of the 2015-16 Undergraduate Catalog
Capstone: All philosophy majors shall complete a capstone experience, comprising three components: a capstone essay, a colloquium presentation, and a reflection paper, usually during the senior year. The capstone essay component of this requirement will be fulfilled by the satisfactory completion of a research project, usually in the seminar course. The student and faculty supervisor together will determine what steps are necessary to bring the capstone essay to successful completion. The presentation component will be fulfilled by presenting the completed work at a colloquium open to the university community and public. The reflection component will be fulfilled by writing a short paper in which the student analyzes and reflects on his or her learning experiences as a philosophy major in light of the baccalaureate goals.
TO:
Capstone: All philosophy majors shall complete a reflection paper, usually during the senior year, in which the student analyzes and reflects on his or her learning experiences as a philosophy major in light of the philosophy major’s learning goals and outcomes.

MINOR: TEACHING ENGLISH AS A FOREIGN LANGUAGE, Liberal Arts (Code 550-406)
FROM: Page 73 of the 2015-16 Undergraduate Catalog
TO: Suspend the TEFL minor

MINOR: ART, Liberal Arts (Code 020-402)
FROM: Page 85-86 of the 2015-16 Undergraduate Catalog
TO: Remove ART 358 (Ceramics II) from this list:
Nine credits of any entry-level Art courses: 240, 241, 244, 247, 249, 250, 251, 252, 253, 264, 274, 275, 276, 278, 281, 312, 357, 358

Add ART 358 (Ceramics II) and ART 384 (Artist Book: Image & Text) to this list:
All Communication and Journalism Programs, Catalog front matter

FROM: Pages 102-103 of the 2015-16 Undergraduate Catalog
TO: INFORMATION FOR MAJORS

No student may have both a major and a minor or a major and a certificate from the Department of Communication and Journalism. No major or minor credit may be earned under the Satisfactory/Unsatisfactory option. Students majoring in Communication, Journalism, and Integrated Strategic Communication may not include CJ courses in a topical minor without prior, written approval of the department chair.

Most upper division courses (numbered 300 and above) required in major and minor programs are available only to students who have completed prerequisite courses with grades of C or above.

Students who choose a major in Integrated Strategic Communication or Journalism must meet curriculum accreditation standards set by the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC).

Accreditation standards require that students complete 72 credits of coursework outside of their major, and complete the university liberal education core requirements.

MAJOR: COMMUNICATION, Liberal Arts  Communication Studies Emphasis (Code 583-201)
FROM: Page 103 of the 2015-2016 Undergraduate Catalog
TO:

Communication Studies Core (18 credits)
CJ 201 Introduction to Interpersonal Communication  
CJ 202 Fundamentals of Speech  
CJ 206 Human Communication Theory  
CJ 207 Introduction to Rhetoric and Society  
CJ 300 Research Methods  
CJ 459 Communication Research Seminar

Communication Studies Electives (12 credits, at least 9 must be at the 300-level or higher):
CJ 205 Listening  
CJ 250 Introduction to Organizational Communication  
CJ 301 Intercultural Communication  
CJ 306 Topics in Advanced Interpersonal Communication  
CJ 307 Small Group Communication  
CJ 312 Gender and Communication  
CJ 314 Mass Media and Popular Culture  
CJ/WMNS 317 Diversity & Communication: Organizational & Media Contexts  
CJ 318 Topics in Communication & Social Advocacy  
CJ 357 Professional Communication  
CJ 406 Persuasion  
CJ 407 Leadership  
CJ 498 Internship

General Communication and Journalism Electives: (6 credits from any course with a CJ prefix with the exception of CJ 203 which may not be used as credit toward a communication studies major. Students may choose courses from the list of communication studies electives above but no course may be used twice in the major.)

MINOR: COMMUNICATION, Liberal Arts, Communication Studies (Code 583-401)
FROM: Page 103 of the 2015-2016 Undergraduate Catalog
TO:

Communication Studies Core: 6 credits
CJ 105 Communication in the Information Age
CJ 202 Fundamentals of Public Speaking or
   CJ 203 Fundamentals of Human Communication

Communication Studies Electives (12 Credits at least 9 of which must be at the 300-level or higher):
CJ 201 Introduction to Interpersonal Communication
CJ 205 Listening
CJ 206 Human Communication Theory
CJ 207 Introduction to Rhetoric and Society
CJ 250 Introduction to Organizational Communication
CJ 301 Intercultural Communication
CJ 306 Topics in Advanced Interpersonal Communication
CJ 307 Small Group Communication
CJ 312 Gender and Communication
CJ 314 Mass Media and Popular Culture
CJ/WMNS 317 Diversity & Communication: Organizational & Media Contexts
CJ 318 Topics in Communication & Social Advocacy
CJ 357 Professional Communication
CJ 406 Persuasion
CJ 407 Leadership
CJ 495 Directed Study

General Communication and Journalism Electives: (6 credits from any course with a CJ prefix with the exception of CJ 202 and 203; students may choose courses from the list of communication studies electives above but a course may be used in only one requirement category.)

MAJOR: COMMUNICATION, Liberal Arts  Organizational Communication Emphasis (Code 583-250)
FROM: Page 103 of the 2015-16 Undergraduate Catalog
TO: Organizational Communication majors must complete 36 credits that include the following core and organizational communication elective credits, and six credits of electives in CJ course.

Core:  21 Credits
CJ 202 Fundamentals of Public Speaking or
   CJ 203 Fundamentals of Human Communication
CJ 250 Introduction to Organizational Communication
CJ 300 Research Methods
CJ 307 Small Group Communication
CJ 355 Advanced Organizational Communication: Strategic Message Design
CJ 357 Professional Communication
CJ 459 Communication Research Seminar (capstone)
Organizational Communication Electives
9 credits from the following:
CJ 201 Introduction to Interpersonal Communication
CJ 301 Intercultural Communication
CJ/WMNS 317 Diversity & Communication: Organizational & Media Contexts
CJ 350 Human Resource Development
CJ 351 Strategic Event Planning
CJ 407 Leadership Communication
CJ 452 Health Communication
CJ 498 Internship
CJ electives: 6 credits*
*Note: Neither CJ 202 nor CJ 203 may be used as elective credits.
MINOR: COMMUNICATION, Liberal Arts  Organizational Communication (Code 583-450)
FROM: Page 103 of the 2015-16 Undergraduate Catalog
TO: Students must complete 24 credits that include CJ 202 OR 203, 250, 300, 355 and 357; and nine credits from the following: CJ 184, 201, 301, 307, 317, 350, 351, 406, 407, 452.

MAJOR: Journalism, Liberal Arts (Code 560-206)
FROM: Page 103 of 2015-16 Undergraduate Catalog
TO:

Journalism majors must complete 36 credits that include:
CJ 184 Multimedia Communication
CJ 202 Fundamentals of Speech or
   CJ 203 Fundamentals of Human Communication
CJ 222 Beginning Journalism
CJ 300 Research Methods
CJ 321 Intermediate Journalism
CJ 413 Mass Media Ethics & Law
CJ 427 Advanced Journalism
CJ 429 Digital Newsroom

One of the following courses:
CJ 241 Audio and Video Production Processes
CJ 284 Introduction to Photography
CJ 380 Visual Communication Design

CJ electives: 9 credits*
*Note: Neither CJ 202 nor CJ 203 may be used as elective credits.

MINOR: JOURNALISM, Liberal Arts (Code 560-406)
FROM: Page 103 of 2015-16 Undergraduate Catalog
TO:
Students must complete 24 credits that include CJ 184, 202 or 203, 222, 300, 413 and nine credits of electives in CJ courses (neither CJ 202 nor CJ 203 may be used as elective credits).

MAJOR: INTEGRATED STRATEGIC COMMUNICATION, Liberal Studies Advertising Emphasis (Code 585-201)
FROM: Page 104 of 2015-16 Undergraduate Catalog
TO:
Advertising majors must complete 36 credits that include:
CJ 184 Multimedia Communication
CJ 202 Fundamentals of Speech or
   CJ 203 Fundamentals of Human Communication
CJ 260 Introduction to Integrated Strategic Communication
CJ 300 Research Methods
CJ 362 Strategic Media Planning
CJ 412 Mass Media Law & Ethics
CJ 464 Advertising in Contemporary Society
CJ 479 ISC Management

Select one of the following courses:
CJ 374 ISC Campaign Design and Evaluation
CJ 380 Visual Communication Design
CJ 460 Advertising Account Management

CJ electives: 9 credits*
*Note: Neither CJ 202 nor CJ 203 may be used as elective credits.
MAJOR: INTEGRATED STRATEGIC COMMUNICATION, Liberal Arts Public Relations Emphasis (Code 585-202)
FROM: Page 104 of 2015-16 Undergraduate Catalog
TO: Public Relations majors must complete 36 credits that include:
CJ 184 Multimedia Communication
CJ 202 Fundamentals of Speech or
  CJ 203 Fundamentals of Human Communication
CJ 260 Introduction to Integrated Strategic Communication
CJ 300 Research Methods
CJ 373 Writing for Public Relations
CJ 374 ISC Campaign Design and Evaluation
CJ 412 Mass Media Law & Ethics
CJ 479 ISC Management
Select one of the following courses:
CJ 272 Social Media and Organizations
CJ 362 Strategic Media Planning
CJ 380 Visual Communication Design
CJ electives: 9 credits*
*Note: Neither CJ 202 nor CJ 203 may be used as elective credits.

COMPREHENSIVE MAJOR: GEOGRAPHY, Liberal Arts International Geography (Code 140-008)
FROM: Page 122 of 2015-16 Undergraduate Catalog
TO: Transnational Geographies (Code 140-XXX) (name change pending University Senate approval)
The Transnational Geographies Emphasis provides an opportunity for students interested in graduate work or employment in the areas of civic governance and policies, transnational work in the public or private sectors, and non-profit developmental organizations. It is intended for students who are interested in cultural difference, social justice, ethnographic field research, work or study abroad, or for those who desire strong preparation for graduate programs in human/cultural geography or anthropology. Requires completion of the core, the required credits, and departmental and non-departmental electives as listed below to total at least 60 credits.
In addition to the requirements for the geography liberal education degree, students in the Transnational emphasis must take
1) One of the following that will count toward the geography elective.
   GEOG/ANTH 312 Spaces, Societies and Subjects, or
   GEOG/ANTH 313 Culture and Transnational Dynamics
2) Women’s Studies 335 – Transnational Feminism (Required) 3 credits
   And
3) Three classes from the following two categories, and at least one from each:
   Category I – Approach and Perspective (Other courses may be added as appropriate)
   HIST 382, AIS 444, WMNS 301, ES 385, ENGL 330 3-6 credits
   And
   Category II – Thematic Content
   To be selected from the following list 3-6 credits
   TOTAL outside of department 12 credits
Thematic Content Options for Geography Transnational Comprehensive Major
Musi/AIS 319 North American Indian Music
Musi 225 World Music
Phil 371 Postmodernism
Pols 328 Islam and Politics
Pols 329 Political Violence
Pols 336 Arab-Israeli Conflict
Pols/Wmns 352 Gender and Politics in Global Perspective
Rels 309 Islam
Rels 312 Buddhism: Past and Present
Rels 313 Tibetan Buddhism
Rels 314 Hinduism
Rels 323 Chinese and Japanese Religions
Rels/AIS 330 Indigenous Religions of the Americas
Rels 333 New Religious Movements
Rels 350 Modern Religious Thought
Soc 312 Race and Ethnicity in the U.S.
Soc 366 Society in Contemporary China
Wmns/AIS 374 Ojibwe Women, Ecofeminism, and Botanical Knowledge
Wmns/Engl 332 Women in African Literature
Wmns/Rels 203 Women and World Religions
Wmns 215 African-American Feminism in the Humanities