

PROGRAMS OF STUDY CREIGHTON COLLEGE OF ARTS AND SCIENCES

GOALS OF LIBERAL EDUCATION

Creighton University's College of Arts and Sciences offers a liberal education whose primary goal is encouraging each student to become a free and responsible person. To further this goal, a liberal education delimits the natural and human boundaries within which free choice occurs, urges its students to see the need for such choice, and provides them with the means for making that choice responsibly. Creighton's students are encouraged to be free and responsible through systematic encounter with the various traditional liberal arts and empirical sciences. The College understands this encounter—and freedom's ultimate goal—in an explicitly Christian context, one defined by the Catholic Church, vivified by the contributions of the Jesuit community, and shared by the many other religious and lay faculty and administrators serving the University.

Creighton's liberal education is and must be eminently practical as an education for life. A liberal education grows with its possessors and helps guide them through a lifetime of free and responsible choices. The student must be a willing, active, and earnest partner in this educational process. The reward of this partnership is a deepened appreciation for life and a strengthened ability to respond to its demands with critical intelligence. Thus, Creighton's liberal education demands responsible involvement from its students and promises, in return, personal and academic enrichment.

LEARNING OUTCOMES

Creighton College of Arts and Sciences recognizes a set of specific abilities that distinguish those individuals who have been educated in the liberal arts within the Jesuit tradition. It believes that such individuals will have learned to integrate academic study into a broader commitment to the life of the mind, heart, imagination, and spirit. The College's faculty, staff, and administrators have therefore set as their goals that all students graduating from the College will have learned to:

- Communicate clearly and effectively in written, spoken, mathematical, and artistic languages;
- Think critically about information, assumptions, and arguments found in multiple forms of academic and cultural discourse;
- Integrate broad and diverse learning with at least one individually chosen academic discipline or professional field;
- Appreciate the Christian, Catholic, and Jesuit intellectual traditions in the context of historical, cultural and spiritual concerns;
- Apply a reasoned approach to effective decision-making according to sound and coherent ethical principles; and
- Demonstrate an active engagement with [and enduring commitment to] Jesuit values of service and social justice;
- Demonstrate a historical or contemporary understanding of diverse human identities and cultures in the United States and around the world.

GENERAL REQUIREMENTS FOR A BACHELOR'S DEGREE

As the means for achieving these goals, the Creighton College of Arts and Sciences requires each student to select a program of courses that combines three elements. The **Core Curriculum** assures broad exposure to academic and cultural discourse, the acquisition of communicative and reasoning skills, and the exploration of ethical values within the Christian, Catholic, and Jesuit traditions. **Academic majors** serve the same broad goals but in the context of bringing added depth and facility in a particular academic discipline or professional field. **Academic minors and elective courses** foster students' intellectual curiosity and adaptability and encourage in them an enthusiasm for lifelong learning.

More specifically, a bachelor's degree requires:

- a minimum of 128 credit hours, including at least 48 credit hours in courses numbered 300 or above
- an overall cumulative grade point average (GPA) of at least 2.00, based on all courses at Creighton University
- completion of all applicable requirements of the Core curriculum
- completion of at least one major in one of the departments of the College
- a GPA of at least 2.00 in the minimum requirements of their major
- the final 32 semester hours must be completed in residence at Creighton University

Elective courses should be chosen in consultation with the student's academic advisor.

Normally, students register for not less than 12 nor more than 18 credit hours in each semester. The privilege of carrying more than 18 hours is contingent upon the student's quality-point average and requires the written approval of the Dean. Additional tuition may be charged.

Majors and Minors for Business Administration and Nursing Students

Students in the School of Nursing and the College of Business Administration may complete an additional major or minor in the College of Arts and Sciences. The second major or minor is in addition to the BSN or BSBA degree earned; students **do not** receive a second degree from Arts and Sciences. Nursing students should contact the Associate Dean of Student Affairs in the School of Nursing and business students should contact the Dean of the College of Business Administration for advising and for referral for the application.

CORE CURRICULUM REQUIREMENTS

The Core Curriculum is organized into five categories. Students must complete the designated number of credits for each category in approved courses from the lists on the pages that follow. In some cases one course may meet more than one Core requirement.

CATEGORY A — Theology, Philosophy and Ethics — 18 credits

Christianity in Context (Theology) — 3 credits
 Scripture (Theology) — 3 credits
 Christian Theology (Theology) — 3 credits
 God and Persons: Philosophical Reflections (Philosophy) — 3 credits
 Foundations for Ethical Understanding (Philosophy/Theology) — 3 credits
 Senior Perspective (Interdisciplinary) — 3 credits

CATEGORY B — Cultures, Ideas, and Civilizations — 18 credits

Critical and Historical Introduction to Philosophy (Philosophy) — 3 credits
 The Modern Western World (History) — 3 credits
 Non-Western History (History) — 3 credits
 World Literature I: Pre-1600 (Classical Civilization/English) — 3 credits
 World Literature II: Post-1600 (English) — 3 credits
 International/Global Studies (Choice) — 3 credits

CATEGORY C — Natural Science — 7 credits

The list of approved courses can be found on page 111. At least one course must have a significant laboratory component.

CATEGORY D — Social and Behavioral Sciences — 6 credits

Must be taken from two different fields. The approved courses can be found on page 111.

CATEGORY E — Skills — 12-15 credits

The requirements in any of the Skills areas may be met through tests or portfolios. The 128 credit hour graduation requirement is not reduced through these tests and portfolios.

Rhetoric and Composition (ENG 150) — 3 credits
 Mathematics (MTH 201 or 245) — 3 or 4 credits
 Speech (COM 152) or Studio/Performing Arts — 3 credits
 Language (Classic or Modern) — A minimum of six credits in one language at 100 level if learning it for the first time or 3 credits of language 201 with previous knowledge of that language.

CERTIFIED WRITING COURSES

Four approved writing intensive courses.

CORE CURRICULUM COURSES

The Core Curriculum courses listed below are approved at the time of this Bulletin printing. Please check with the Dean's Office, with future Bulletins, or with the Registrar's website at <http://www.creighton.edu/Registrar> for additional courses. NOTE: Courses taken on a Pass/No Pass basis may not be used to fulfill Core Requirements.

CORE CATEGORY A — THEOLOGY, PHILOSOPHY AND ETHICS

One course chosen from each of the following areas is required.

Christianity in Context

THL 100 Christianity in Context
THL 101 Theology, Cosmology, and the Environment

Scripture

THL 201 Reading the Old Testament
THL 202 Creation and Apocalypse
THL 203 Biblical Ancestors and Heroes
THL 205 Sickness, Disability, and Healing in the Bible
THL 207 Reading the New Testament
THL 208 New Testament Communities and Their Stories
THL 209 The Synoptic Gospels: The Life of Jesus
THL 210 Applying the Memory of Jesus: Community of John Paul and His Legacy
THL 212

Christian Theology

JPS 331 Jesus Christ: Liberator
JPS 335 Jesus Christ: Yesterday and Today
JPS 343 Ecclesiology in Context
THL 324 Scripture and Theology: The Birth of Christian Doctrine
THL 325 Catholicism: Creed and Question
THL 326 Defending the Christian Faith
THL 327 Christianity and the Holocaust
THL 330 Jesus Christ and the Salvation of the World
THL 331 Jesus Christ: Liberator
THL 335 Jesus Christ: Yesterday and Today
THL 336 Divine Providence, Catholic Social Teaching and Problem of Climate Change
THL 338 Eucharist: Sacrament of Unity or Disunity
THL 339 Theology of the Church and Sacraments
THL 342 The Church in the Dominican Republic
THL 343 Ecclesiology in Context
THL 344 Theology of Christian Marriage

Ethics

PHL 250 Philosophical Foundations for Ethical Understanding
THL 250 Theological Foundations for Ethical Understanding
PHL 255 Energy, Ethics and Environment

Philosophy

PHL 320 God and Persons: Philosophical Reflections

Senior Perspective

| | | | |
|---------|---|---------|---|
| AMS 426 | The West of the Imagination | SRP 412 | Sickness, Disability, and Healing |
| AMS 482 | Race in America: Idea and Reality | SRP 415 | Stories that Shape Lives |
| ANT 409 | Race and Gender Relations | SRP 416 | The Jesuits, their History & Spirituality |
| ANT 424 | Sustainability and Rural America | SRP 418 | Jesus Through the Ages |
| ANT 444 | Non-Violence/Resolution of Conflict | SRP 420 | Science and Religion |
| ANT 455 | Food, Society and Environment | SRP 422 | Children of Poverty |
| ARH 418 | Jesus Through the Ages | SRP 424 | Sustainability and Rural America |
| ART 428 | Film and the Fine Arts | SRP 425 | Myths That We Live By |
| BKS 482 | Race in America: Idea and Reality | SRP 426 | The West of the Imagination |
| CNE 425 | Myths That We Live By | SRP 428 | Film and the Fine Arts |
| COM 477 | Gendered Health Across the Lifespan | SRP 430 | Ethics in Post-Communist Countries |
| COM 478 | Intersections of Working Personal Life | SRP 431 | Math History, Philosophy Ethics |
| COM 488 | Personal/Spirit Dimension Leadership | SRP 434 | Philosophy of East Asian Lit. and Film |
| CSC 448 | Freedom/Security Dig.-Divided Society | SRP 435 | Literature, Philosophy and Economics |
| EDU 450 | Violence in America | SRP 436 | Politics/Ethics of Science & Technology |
| EDU 470 | Poverty in America | SRP 437 | Environment & Race, Class, & Gender |
| EDU 488 | Personal/Spirit Dimension Leadership | SRP 438 | Literacy and Community |
| ENG 435 | Literature, Philosophy and Economics | SRP 439 | Literacy and Technology |
| ENG 438 | Literacy and Community | SRP 440 | Music, Liturgy and Transformed Life |
| ENG 439 | Literacy and Technology | SRP 444 | Non-Violence/Resolution of Conflict |
| ENG 489 | American Prisons | SRP 448 | Freedom/Security Dig.-Divided Society |
| EVS 424 | Sustainability and Rural America | SRP 450 | Violence in America |
| EVS 455 | Food, Society and Environment | SRP 451 | Science and Values |
| HAP 456 | Public Health Ethics | SRP 455 | Food, Society and Environment |
| HAP 457 | Biomedical Ethics | SRP 456 | Public Health Ethics |
| HAP 477 | Gendered Health Across the Lifespan | SRP 457 | Biomedical Ethics |
| HIS 416 | The Jesuits, their History & Spirituality | SRP 458 | Theology and Vocation to Health Care |
| HIS 431 | Math History, Philosophy Ethics | SRP 460 | Humanity and Concept of the Future |
| HIS 482 | Race in America: Idea and Reality | SRP 465 | Faith and Political Action |
| JPS 444 | Non-Violence/Resolution of Conflict | SRP 468 | Christianity and Power |
| JPS 465 | Faith and Political Action | SRP 469 | Psychological/ Theological Approaches |
| JPS 470 | Poverty in America | SRP 470 | Poverty in America |
| MTH 431 | Math History, Philosophy Ethics | SRP 475 | Multiculturalism |
| MUS 440 | Music, Liturgy and Transformed Life | SRP 477 | Gendered Health Across the Lifespan |
| NAS 424 | Sustainability and Rural America | SRP 478 | Intersections of Working Personal Life |
| PHL 420 | Science and Religion | SRP 481 | Poverty, Development & Public Policy |
| PHL 434 | Philosophy of East Asian Lit. and Film | SRP 482 | Race in America: Idea and Reality |
| PHL 435 | Literature, Philosophy and Economics | SRP 487 | The Bible and the Holocaust |
| PHL 451 | Science and Values | SRP 488 | Personal/Spirit Dimension Leadership |
| PHL 456 | Public Health Ethics | SRP 489 | American Prisons |
| PHL 457 | Biomedical Ethics | SWK 409 | Race and Gender Relations |
| PHL 460 | Humanity and Concept of the Future | SWK 422 | Children of Poverty |
| PHL 475 | Multiculturalism | THL 415 | Stories that Shape Lives |
| PHL 482 | Race in America: Idea and Reality | THL 416 | The Jesuits, their History & Spirituality |
| PLS 430 | Ethics in Post-Communist Countries | THL 418 | Jesus Through the Ages |
| PLS 436 | Politics/Ethics of Science & Technology | THL 420 | Science and Religion |
| PLS 444 | Non-Violence/Resolution of Conflict | THL 440 | Music, Liturgy and Transformed Life |
| PLS 465 | Faith and Political Action | THL 457 | Biomedical Ethics |
| PLS 468 | Christianity and Power | THL 458 | Theology and Vocation to Health Care |
| PLS 481 | Poverty, Development & Public Policy | THL 468 | Christianity and Power |
| PLS 482 | Race in America: Idea and Reality | THL 469 | Psychological/ Theological Approaches |
| SOC 424 | Sustainability and Rural America | THL 488 | Personal/Spirit Dimension Leadership |
| SOC 455 | Food, Society and Environment | THR 428 | Film and the Fine Arts |
| SRP 401 | Science/Uncertainty Pluralistic World | WGS 409 | Race and Gender Relations |
| SRP 409 | Race and Gender Relations | WGS 477 | Gendered Health Across the Lifespan |

CORE CATEGORY B – CULTURES, IDEAS, AND CIVILIZATIONS

One course chosen from each of the following areas is required.

Philosophy

PHL 107 Critical and Historical Introduction to Philosophy

Modern Western History

HIS 101 The Modern Western World

HIS 110 History and Technology in the Modern World

Non-Western History

AFS 106 The African World

ANT 108 The Native American World

BKS 106 The African World

HIS 103 The Asian World

HIS 104 The Latin American World

HIS 106 The African World

HIS 107 The Middle Eastern World

HIS 108 The Native American World

NAS 108 The Native American World

World Literature I

CNE 120 World Literature I

ENG 120 World Literature I

World Literature II

ENG 121 World Literature II

International and Global Studies

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|---------|---|---------|---|
| AFS 342 | Peoples and Cultures of Sub-Saharan Africa | ANT 358 | Perspectives Critical Issues in the Study of Native American Religions |
| AFS 347 | Peoples and Cultures of Africa and Middle East | ANT 360 | Gender, Society and Culture |
| AFS 356 | Christianity in Africa | ANT 363 | Medical Anthropology |
| AFS 390 | Introduction to African Literature | ANT 383 | Cultural Epidemiology |
| AFS 398 | Literature of Francophone Africa | ANT 400 | Topical Seminar in Anthropology |
| AFS 400 | Seminar in African Studies (Topic - African Religions only) | ANT 499 | Globalization |
| AFS 405 | Ethnicity, Nationalism and Democracy | ANT 525 | Archaeological Fieldwork and Analysis |
| AFS 411 | Politics of Africa | ANT 526 | Archaeology of Roman Palestine |
| AFS 485 | Society and Belief Systems in Africa | ARH 319 | Art International |
| AFS 489 | Southern Africa: The Politics of Race | ARH 355 | Greek Art and Archaeology |
| AMS 331 | Indians of the Great Plains | ARH 386 | History and Aesthetics of Latin American Photography |
| AMS 335 | Federal Indian Policy and Law | ARH 414 | The Jesuits and the Arts |
| AMS 340 | Native American Culture and Health | ASN 300 | Introduction to Asian Studies |
| AMS 343 | Peoples/Cultures Native North America | BKS 342 | Peoples and Cultures of Sub-Saharan Africa |
| AMS 355 | Environment and Society | BKS 347 | Peoples and Cultures of Africa and Middle East |
| AMS 358 | Critical Issues in the Study of Native American Religions | BKS 356 | Christianity in Africa |
| AMS 360 | Gender, Society and Culture | BKS 390 | Introduction to African Literature |
| AMS 365 | Issues of the Native American Experience | BKS 398 | Literature of Francophone Africa |
| ANT 307 | Demography: World Population Issues | BKS 411 | Politics of Africa |
| ANT 317 | Global Health Issues | BKS 428 | Multicultural Issues in Psychology |
| ANT 324 | Native American World View, Cultures and Values | BKS 485 | Society and Belief Systems in Africa |
| ANT 331 | Indians of the Great Plains | BKS 489 | Southern Africa: The Politics of Race |
| ANT 340 | Native American Culture and Health | CNE 355 | Greek Art and Archaeology |
| ANT 342 | Peoples and Cultures of Sub-Saharan Africa | CNE 525 | Archaeological Fieldwork and Analysis |
| ANT 343 | Peoples/Cultures Native North America | CNE 526 | Archaeology of Roman Palestine |
| ANT 346 | Peoples and Cultures of Latin America | ECO 408 | Current Issues in Social Economics and Political Economy |
| ANT 347 | Peoples and Cultures of North Africa and Middle East | ECO 518 | Comparative Economic Systems |
| ANT 348 | Peoples and Cultures of Asia | ECO 528 | International Economic Development |
| ANT 349 | Peoples and Cultures of India | EDP 361 | Social Justice in the Dominican Republic |
| ANT 350 | Social Change | EDU 315 | World Geography |
| ANT 352 | Witchcraft, Oracles and Magic | ENG 353 | Intro to Native American Literature |
| ANT 355 | Environment and Society: Sociological | ENG 390 | Introduction to African Literature |
| | | ENG 398 | Literature of Francophone Africa |
| | | EVS 307 | Demography: World Population Issues |
| | | EVS 355 | Environment and Society |

CORE CATEGORY B — CULTURES, IDEAS, AND CIVILIZATIONS*International and Global Studies (Continued)*

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|----------------|--|----------------|---|
| GER 525 | The New Berlin | PLS 316 | Government and Politics of People's Republic of China |
| HAP 317 | Global Health Issues | PLS 317 | Latin American Government and Politics |
| HAP 383 | Cultural Epidemiology | PLS 319 | Politics of Developing Areas |
| HIS 347 | The Arab-Israeli Conflict | PLS 335 | Federal Indian Policy and Law |
| HIS 463 | Japan in the Twentieth Century | PLS 340 | International Politics |
| HIS 465 | Japanese Popular Culture | PLS 345 | International Political Economy |
| HIS 468 | Modern Japan | PLS 347 | International Regimes |
| HIS 485 | Society and Belief Systems in Africa | PLS 405 | Ethnicity, Nationalism and Democracy |
| HIS 489 | Southern Africa: The Politics of Race | PLS 411 | Politics of Africa |
| HIS 567 | Change and Revolution in the Modern Middle East | PLS 435 | Global Poverty and Development |
| JPN 313 | Contemporary Japanese Culture/Society | PLS 440 | Seminar on International Relations |
| JPS 343 | Ecclesiology in Context | PLS 472 | International Conflict |
| JPS 361 | Social Justice and Service: Applications to the Dominican Republic | PLS 537 | International Law |
| JRM 365 | International Mass Communications | PSY 428 | Multicultural Issues in Psychology |
| MUS 375 | Music of the World's Peoples | SOC 307 | Demography: World Population Issues |
| NAS 319 | Art International | SOC 317 | Global Health Issues |
| NAS 324 | Native American World View, Cultures and Values | SOC 350 | Social Change |
| NAS 331 | Indians of the Great Plains | SOC 355 | Env. and Society: Soc. Perspectives |
| NAS 335 | Federal Indian Policy and Law | SOC 360 | Gender, Society and Culture |
| NAS 340 | Native American Culture and Health | SOC 499 | Globalization |
| NAS 343 | Peoples/Cultures Native North America | SWK 335 | Federal Indian Policy and Law |
| NAS 346 | Peoples and Cultures of Latin America | SWK 365 | Issues of the Native American Experience |
| NAS 353 | Intro to Native American Literature | THL 343 | Ecclesiology in Context |
| NAS 358 | Critical Issues in the Study of Native American Religions | THL 351 | Intro. to Chinese Philosophy |
| NAS 365 | Issues of the Native American Experience | THL 352 | Witchcraft, Oracles & Magic |
| PHL 324 | Native American World View, Cultures and Values | THL 353 | Introduction to Buddhism |
| PHL 332 | World Philosophy | THL 354 | Introduction to Judaism |
| PHL 351 | Introduction to Chinese Philosophy | THL 356 | Christianity in Africa |
| PHL 353 | Introduction to Buddhism | THL 357 | Introduction to Islam |
| PLS 303 | Politics of Russia and the USSR Successor States | THL 358 | Critical Issues in the Study of Native American Religions |
| PLS 305 | Eastern European Political Systems | THL 359 | Living Religions of the World |
| PLS 313 | Politics of the Middle East | THL 361 | Social Justice and Service |
| PLS 314 | Politics of Post Comm. South Eurasia | THL 525 | Archaeological Fieldwork and Analysis |
| PLS 315 | Politics of Asia | THL 526 | Archaeology of Roman Palestine |
| | | THL 574 | Faith and Food (When taught in the Sciences) |
| | | WGS 360 | Gender, Society and Culture |

CORE CATEGORY C — NATURAL SCIENCES*7 credits — Must include one laboratory.*

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|----------------|--|----------------|---|
| ATS 113 | Intro to Atmospheric Sciences (3) | EVS 113 | Intro to Atmospheric Sciences (3) |
| ATS 114 | Intro to Atmospheric Sciences Lab (1) | EVS 114 | Intro to Atmospheric Sciences Lab (1) |
| ATS 210 | Surviving on Earth | EVS 210 | Surviving on Earth |
| ATS 231 | Severe and Unusual Weather (3) | PHY 107 | Introductory Astronomy (3) |
| BIO 141 | Charles Darwin: Life and Impact (3) | PHY 108 | Introductory Astronomy Lab (1) |
| BIO 149 | Human Biology (3) | PHY 127 | Sound and Music (3) |
| BIO 150 | Biotechnology and Society (3) | PHY 137 | Light, Color and Lasers (3) |
| BIO 211 | General Biology I (4) | PHY 147 | Einstein and Modern Physics (3) |
| BIO 212 | General Biology II (4) | PHY 157 | Energy in Modern Society (3) |
| CHM 105 | Introductory Chemistry (3) | PHY 187 | Introduction to Physics (3) |
| CHM 201 | Chemistry of Consumer Products (3) | PHY 188 | Physics in the Everyday World (1) |
| CHM 203 | General Chemistry I (3) | PHY 211 | General Physics I (4) |
| CHM 204 | General Chemistry I Lab (1) | PHY 212 | General Physics II (4) |
| CHM 205 | General Chemistry II (3) | PHY 221 | Mathematical Modeling of the Physics World I (3) |
| CHM 206 | General Chemistry II Lab (1) | PHY 222 | Mathematical Modeling of the Physics World II (3) |
| CHM 285 | Advanced General Chemistry II (3) | PHY 223 | Project Physics Laboratory I (1) |
| CHM 286 | Advanced Analysis Laboratory (2) | PHY 224 | Project Physics Laboratory II (1) |
| CSC 121 | Computers and Scientific Thinking | | |
| ERG 211 | Design and Rapid Prototyping Lab I (1) | | |
| ERG 212 | Design and Rapid Prototyping Lab I (1) | | |

CORE CATEGORY D — SOCIAL AND BEHAVIORAL SCIENCES*2 courses - must be taken from two different fields*

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| AMS 102 | Introduction to Sociology: Social Problems |
| AMS 121 | American Politics and Government |
| ANT 101 | Introduction to Native American Studies: Anthropological Approaches |
| ANT 111 | Introduction to Anthropology |
| ANT 112 | Culture, Energy and Sustainability |
| COM 111 | Introduction to Communication Studies |
| ECO 203 | Introductory Microeconomics |
| EDU 207 | Educational Psychology (Education Majors only) |
| EDU 210 | Child and Adolescent Development (Education Majors only) |
| ERG 351 | Energy Policy |
| NAS 101 | Introduction to Native American Studies: Anthropological Approaches |
| PLS 101 | Introduction to Politics |
| PLS 105 | Introduction to World Politics |
| PLS 121 | American Politics and Government |
| PLS 215 | Comparative Political Systems |
| PSY 111 | Introductory Psychology |
| SOC 101 | Introduction to Sociology: Self and Society |
| SOC 102 | Introduction to Sociology: Social Problems |

CORE CATEGORY E — SKILLS

College Writing

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|----------------|---|
| ENG 150 | Rhetoric and Composition |
| ENG 151 | Design and Rapid Prototyping Lab I (1 credit) |
| ENG 152 | Design and Rapid Prototyping Lab III (1 credit) |
| ENG 153 | Design and Rapid Prototyping Lab IV (1 credit) |

Mathematics — (one of the following)

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|------------------------|------------------------------------|
| MTH 201 | Applied Mathematics |
| MTH 245 | Calculus I |
| MTH 249 | Modeling the Physical World I |
| ANT/HAP/SOC 314 | Statistics for the Social Sciences |

Speech/Studio/Performing Arts - (three credits chosen from either of the following two areas)

Speech

| | |
|----------------|---|
| COM 152 | Principles of Communication Competence |
| COM 153 | Design and Rapid Prototyping Lab I (1 credit) |
| COM 154 | Design and Rapid Prototyping Lab III (1 credit) |
| COM 155 | Design and Rapid Prototyping Lab IV (1 credit) |

Studio/Performing Arts

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|----------------|------------------------------------|----------------|-----------------------------------|
| ART 104 | Elementary School Art (EDU Majors) | DAN 121 | Basic Modern Dance I |
| ART 105 | Art Fundamentals | DAN 131 | Classical Ballet Studio, Basic I |
| ART 153 | Sculpture I | DAN 153 | Stagecraft |
| ART 154 | Clay Modeling I | MUS 208 | Jazz Ensemble I |
| ART 155 | Welded Metal Sculpture I | MUS 209 | Gospel Choir I |
| ART 156 | Bronze Casting I | MUS 212 | University Chorus I |
| ART 157 | Stone Carving I | MUS 218 | Wind Ensemble I |
| ART 201 | Arts and Civic Engagement | MUS 219 | Javanese Gamelan I |
| ART 211 | Introductory Ceramics | MUS 220 | University Orchestra I |
| ART 253 | Sculpture II | MUS 271 | Voice Class |
| ART 271 | Photography Studio I | MUS 313 | Chamber Choir |
| ART 301 | Arts and Civic Engagement | THR 121 | Oral Interpretation of Literature |
| ART 390 | Sculptural Glass Casting | THR 131 | Beginning Acting I |
| DAN 101 | Introduction to the Dance | THR 153 | Stagecraft I |
| DAN 110 | Dance Studies I | THR 271 | Voice Class |
| DAN 111 | Dance Studies II | | |

Languages - A minimum of 6 credits in one language (the equivalent of two semester courses) at 100 level if learning it for the first time or 3 credits of language 201 with previous knowledge of that language.

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|--------------------|------------------------------------|--------------------|--|
| ARA 101/102 | Elementary Modern Arabic I and II | ITA 202 | Intermediate Italian II |
| ARA 115 | Elementary Modern Standard Arabic | JPN 101/102 | Beginning Japanese I and II |
| ARA 201 | Intermediate Modern Arabic I | JPN 201 | Intermediate Japanese I |
| CHN 101/102 | Beginning Chinese I and II | JPN 202 | Intermediate Japanese II |
| CHN 201 | Intermediate Chinese I | LAT 101/102 | Beginning Latin I and II |
| CHN 202 | Intermediate Chinese II | LAT 115 | Intensive Beginning Latin |
| FRN 101/102 | Beginning French I and II | LAT 201 | Intermediate Latin |
| FRN 115 | Intensive Beginning French | RUS 101/102 | Beginning Russian I and II |
| FRN 201 | Intermediate French I | RUS 201 | Intermediate Russian I |
| FRN 202 | Intermediate French II | SPN 101/102 | Beginning Spanish I and II |
| GER 101/102 | Beginning German I and II | SPN 113/114 | Beginning Spanish for the Medical Professionals I and II |
| GER 115 | Intensive Beginning German | SPN 115 | Intensive Beginning Spanish |
| GER 201 | Intermediate German I | SPN 201 | Intermediate Spanish I |
| GER 202 | Intermediate German II | SPN 202 | Intermediate Spanish II |
| GRK 101/102 | Beginning Greek I and II | SPN 213 | Intermediate Spanish for the Medical Professionals I |
| GRK 115 | Intensive Beginning Greek | | |
| GRK 201 | Intermediate Greek | | |
| HEB 101/102 | Intro to Classical Hebrew I and II | | |
| ITA 101/102 | Beginning Italian I and II | | |
| ITA 201 | Intermediate Italian I | | |

Note: The equivalent of two semester courses in ASL instruction or demonstrated competency in ASL will also satisfy this requirement.

CERTIFIED WRITING COURSES

Required: Four courses

| | | | |
|----------------|---|----------------|---|
| AFS 356 | Christianity in Africa | BIO 572 | Animal Behavior Laboratory |
| AFS 390 | Introduction to African Literature | BIO 580 | Current Topics in Ecology |
| AFS 398 | Literature of Francophone Africa | BKS 356 | Christianity in Africa |
| AFS 400 | Seminar in African Studies | BKS 390 | Introduction to African Literature |
| AFS 405 | Ethnicity, Nationalism and Democracy | BKS 393 | African-American Literature |
| AFS 411 | Politics of Africa | BKS 398 | Literature of Francophone Africa |
| AFS 485 | Society and Belief Systems in Africa | BKS 411 | Politics of Africa |
| AFS 489 | Southern Africa: The Politics of Race | BKS 482 | Race in America: Idea and Reality |
| AMS 302 | American Studies Seminar | BKS 485 | Society and Belief Systems in Africa |
| AMS 310 | Religion in Contemp. American Society | BKS 489 | South Africa: The Politics of Race |
| AMS 312 | Mass Media and Modern Culture | CHM 215 | Natural Sciences I |
| AMS 316 | Qual. Methods in the Social Sciences | CHM 216 | Natural Sciences II |
| AMS 339 | Public Policy and Poverty in the U.S. | CHM 342 | Physical Chemistry I Laboratory |
| AMS 345 | Sports in American Culture | CHM 382 | Fundamentals of Biochemistry-Lab |
| AMS 355 | Environment and Society | CHM 444 | Physical Chemistry II |
| AMS 360 | Gender, Society and Culture | CHM 497 | Directed Independent Research |
| AMS 393 | African-American Literature | CNE 306 | Literature of Ancient Greece |
| AMS 406 | German Immigrant Culture | CNE 308 | Literature of Ancient Rome |
| AMS 415 | Thoreau's Walden | CNE 311 | Classical Mythology |
| AMS 426 | The West of the Imagination | CNE 313 | The Hero in Antiquity |
| AMS 482 | Race in America | CNE 349 | Egyptian Art and Archaeology |
| AMS 491 | Senior Seminar | CNE 369 | Medieval Art and Architecture |
| ANT 302 | American Studies Seminar | CNE 371 | History of Hellenistic Philosophy |
| ANT 307 | Demography: World Population Issues | CNE 372 | History of Medieval Philosophy |
| ANT 312 | Quan. Methods in the Social Sciences | CNE 420 | Selected Topics in Ancient History |
| ANT 316 | Qual. Methods in the Social Sciences | CNE 425 | Myths That We Live By |
| ANT 345 | Sports in American Culture | CNE 498 | Senior Capstone Seminar |
| ANT 350 | Social Change | CNE 520 | The Dead Sea Scrolls |
| ANT 355 | Environment and Society | CNE 524 | History of Ancient Israel |
| ANT 360 | Gender, Society and Culture | COM 312 | Mass Media & Modern Culture |
| ANT 362 | Applied Anthropology | COM 320 | Leadership: Theories, Styles & Skills |
| ANT 363 | Medical Anthropology | COM 321 | Persuasion |
| ANT 383 | Cultural Epidemiology | COM 359 | Rhetoric and Public Culture |
| ANT 400 | Topical Seminar in Anthropology (Topic-African Religions only) | COM 361 | Interpersonal Communication |
| ANT 409 | Race and Gender Relations | COM 380 | History and Criticism of Cinema |
| ANT 442 | Cultural Communication | COM 390 | Health Communication |
| ANT 444 | Non-Violence and Peaceful Resolution | COM 440 | Gender Communication |
| ANT 499 | Globalization | COM 442 | Cultural Communication |
| ARH 349 | Egyptian Art and Archaeology | COM 462 | Gender, Work, and Organizing |
| ARH 369 | Medieval Art and Architecture | COM 463 | Organizational Assessment |
| ARH 372 | History of Northern Renaissance Art | COM 477 | Gendered Health Communication |
| ARH 375 | History of Italian Renaissance Art | COM 478 | Intersections of Working Personal Life |
| ARH 383 | History and Aesthetics of Photography | COM 489 | Visual Construction of Modern Culture |
| ARH 386 | The History, Aesthetics of Latin Photo | COM 496 | Communication Internships |
| ARH 394 | Modern European Art, 1900-1945 | COU 390 | Residence Hall Advising |
| ARH 435 | Women, Art and Society | COU 575 | Intro to Student Develop. Programming |
| ART 380 | History and Criticism of Cinema | CSC 444 | Human Computer Interaction |
| ART 428 | Film and the Fine Arts | CSC 448 | Freedom/Security Dig.-Divided Society |
| ATS 510 | Introduction to Physical Meteorology | CSC 599 | Senior Capstone |
| ATS 542 | Radar Remote Sensing | ECO 408 | Social Economics & Political Economy |
| ATS 574 | Stratospheric Dynamics | ECO 528 | International Economic Development |
| BIO 385 | Ecology, Geography & Health of Lakes | EDP 361 | Social Justice in the DR |
| BIO 419 | Molecular Biology Laboratory | EDU 210 | Child and Adolescent Development |
| BIO 435 | Coastal and Estuarine Ecology | EDU 275 | Seminar on Peer Education |
| BIO 440 | Field Biology of the Desert Southwest | EDU 320 | Leadership: Theories, Styles and Skills |
| BIO 481 | Terrestrial Ecology | EDU 345 | Philosophy for Children |
| BIO 487 | Marine Ecology Laboratory | EDU 450 | Violence in America |
| BIO 517 | Current Topics in Genetics | EDU 463 | Organizational Assessment |
| BIO 532 | Cell Biology | EDU 470 | Poverty in America |
| BIO 539 | Ecology of Zoonotic Diseases | EDU 525 | Mildly/Mod. Handicapped Student |
| BIO 549 | Environmental Physiology | EDU 528 | Speech and Language Development |
| BIO 551 | Current Topics in Microbiology | EDU 566 | Methods of Teaching of Reading |
| BIO 559 | Special Topics in Physiology | ENG 201 | Interpreting Texts |
| BIO 563 | Introduction to Neurobiology Lab | ENG 202 | Entering a Professional Dialogue |
| | | ENG 251 | Advanced Composition |

CERTIFIED WRITING COURSES (continued)

Required: Four courses

| | | | |
|---------|---|---------|--|
| ENG 252 | Honors Advanced Composition | HAP 383 | Cultural Epidemiology |
| ENG 254 | Writing About Literature | HAP 390 | Health Communication |
| ENG 300 | Introduction to Creative Writing | HAP 456 | Public Health Ethics |
| ENG 301 | Creative Writing: Narrative Forms | HAP 457 | Biomedical Ethics |
| ENG 302 | Creative Writing: Poetic Forms | HAP 477 | Gendered Health Across the Lifespan |
| ENG 310 | Writing Strategies for the Organization | HIS 300 | Historiography |
| ENG 312 | Mass Media and Modern Culture | HIS 302 | AMS Seminar: The American Character |
| ENG 314 | Explorations of the Essay | HIS 349 | Egyptian Art and Archaeology |
| ENG 315 | Technical and Professional Writing | HIS 400 | Research Methods in History |
| ENG 317 | Composition Theory and Practice | HIS 406 | German Immigrant Culture |
| ENG 353 | Intro to Native American Literature | HIS 416 | For the Greater Glory |
| ENG 372 | Western Lit. of the United States | HIS 420 | Selected Topics in Ancient History |
| ENG 380 | History and Criticism of Cinema | HIS 431 | Mathematical History, Phil. and Ethics |
| ENG 381 | Literature and the Environment | HIS 478 | Jerusalem in History |
| ENG 382 | History and Future of the Book | HIS 482 | Race in America: Idea and Reality |
| ENG 390 | Introduction to African Literature | HIS 485 | Society and Belief Systems in Africa |
| ENG 393 | African-American Literature | HIS 489 | Southern Africa: The Politics of Race |
| ENG 398 | Literature of Francophone Africa | HIS 500 | Senior Seminar in Social Sciences |
| ENG 404 | Screenwriting | HIS 524 | History of Ancient Israel |
| ENG 410 | Women in Literature | JPS 361 | Social Justice and Service |
| ENG 411 | Milton | JPS 444 | Non-Violence and Peaceful Resolution |
| ENG 412 | Studies in Major Authors | JPS 465 | Faith and Political Action |
| ENG 420 | Utopian Literature | JPS 470 | Poverty in America |
| ENG 432 | The Irish Renaissance | JPS 565 | Catholic Social Teaching |
| ENG 438 | Literacy and Community | JRM 219 | Media Writing |
| ENG 439 | Literacy and Technology | JRM 220 | Professional Writing |
| ENG 440 | Introduction to Green Cultural Studies | JRM 321 | Advanced Reporting |
| ENG 472 | Alternative Discourse in the Academy | JRM 322 | Feature Writing |
| ENG 476 | Writing and Working for Justice | JRM 326 | Sportswriting |
| ENG 479 | Creative Writing Internship | JRM 335 | History of American Mass Media |
| ENG 481 | Senior Seminar II: British Literature | JRM 341 | Public Relations Writing |
| ENG 482 | Senior Seminar III: American Literature | JRM 433 | Advertising Copy Writing |
| ENG 483 | Senior Seminar IV: Irish Literature | JRM 438 | Media Ethics |
| ENG 484 | Senior Seminar V: Special Topics | JRM 477 | Advanced Newspaper Production |
| ENG 489 | American Prisons | LAT 498 | Senior Capstone Seminar |
| ENG 499 | Senior Project | MTH 431 | Mathematical History, Phil. and Ethics |
| EVS 307 | Demography: World Population Issues | MTH 581 | Modern Algebra I |
| EVS 333 | Environmental Politics and Policy | MTH 591 | Analysis I |
| EVS 355 | Environment and Society | NAS 316 | Qual. Methods in the Social Sciences |
| EVS 385 | Ecology, Geography & Health of Lakes | NAS 353 | Intro to Native American Literature |
| EVS 435 | Coastal and Estuarine Ecology | NAS 499 | NAS Senior Capstone |
| EVS 440 | Field Biology of the Desert Southwest | PHL 331 | Moral Philosophy |
| EVS 481 | Terrestrial Ecology | PHL 332 | World Philosophy |
| EVS 487 | Marine Ecology Laboratory | PHL 345 | Philosophy for Children |
| EVS 539 | Ecology of Zoonotic Diseases | PHL 351 | Introduction to Chinese Philosophy |
| EVS 549 | Environmental Physiology | PHL 353 | Introduction to Buddhism |
| EVS 572 | Animal Behavior Laboratory | PHL 357 | Bioethics |
| EVS 580 | Current Topics in Ecology | PHL 358 | Social and Political Philosophy |
| EXS 306 | Therapeutic Exercise | PHL 365 | Classics of Political Thought |
| EXS 350 | Nutrition Health/Sports Performance | PHL 371 | History of Hellenistic Philosophy |
| EXS 407 | Basic Statistics and Research Design | PHL 372 | History of Medieval Philosophy |
| EXS 491 | Exercise Leadership/Program Admin. | PHL 373 | History of Modern Philosophy |
| FRN 412 | Advanced Written French | PHL 374 | History of 19th-Century Philosophy |
| FRN 449 | Intro to Contemp. French Literature | PHL 401 | Themes in Contemporary Philosophy |
| FRN 551 | Women Writers in French Lit | PHL 415 | Thoreau's Walden |
| FRN 552 | La littérature quebecoise contemporaine | PHL 420 | Science and Religion |
| GDE 599 | Senior Capstone | PHL 434 | Philosophy of East Asian Lit. And Film |
| GER 303 | German Literature and Civilization I | PHL 450 | Philosophy and Commercial Societies |
| GER 304 | German Literature and Civilization II | PHL 456 | Public Health Ethics |
| GER 374 | History of 19th-Century Philosophy | PHL 457 | Biomedical Ethics |
| GER 406 | German Immigrant Culture | PHL 460 | Humanity & Concept of Future |
| GRK 498 | Senior Capstone Seminar | PHL 462 | The Thought of John Paul II |
| HAP 312 | Quan. Methods in the Social Sciences | PHL 482 | Race in America |
| HAP 331 | Managing the Public/Non-Profit Sectors | PHY 351 | Physics in Medicine |

CERTIFIED WRITING COURSES (continued)

Required: Four courses

| | | | |
|---------|--|---------|---|
| PHY 353 | Introduction to Biological Physics | SPN 599 | Senior Seminar |
| PHY 491 | Physics Seminar | SRP 401 | Science/Uncertainty Pluralistic World |
| PHY 558 | Relativity: Special & General Theories | SRP 409 | Race and Gender Relations |
| PHY 559 | Gravitation and Cosmology | SRP 412 | Sickness, Disability, and Healing |
| PHY 562 | Nuclear Instruments and Methods | SRP 416 | The Jesuits, their History & Spirituality |
| PLS 215 | Comparative Political Systems | SRP 420 | Science and Religion |
| PLS 301 | Western European Political Systems | SRP 422 | Children of Poverty |
| PLS 303 | Politics of Russia/USSR States | SRP 425 | Myths That We Live By |
| PLS 305 | Eastern European Political Systems | SRP 426 | The West of the Imagination |
| PLS 313 | Politics of the Middle East | SRP 428 | Film and the Fine Arts |
| PLS 314 | Politics Post-Communist South Eurasia | SRP 430 | Ethics in Post-Communist Countries |
| PLS 315 | Politics of Asia | SRP 431 | Mathematical History, Phil. and Ethics |
| PLS 317 | Latin American Government & Politics | SRP 434 | Philosophy East Asian Lit. And Film |
| PLS 319 | Politics of the Developing Areas | SRP 436 | Politics of Science and Technology |
| PLS 326 | Governing Metropolitan Areas | SRP 437 | Environment and Race, Class & Gender |
| PLS 331 | Managing the Public/Non-Profit Sectors | SRP 438 | Literacy and Community |
| PLS 333 | Environmental Politics and Policy | SRP 439 | Literacy and Technology |
| PLS 339 | Public Policy and Poverty in the U.S. | SRP 441 | Education, Vocation and Discernment |
| PLS 342 | Foreign Policy/Diplomacy Major Powers | SRP 444 | Non-Violence and Peaceful Resolution |
| | | SRP 448 | Freedom/Security Dig.-Divided Society |
| PLS 345 | International Political Economy | SRP 450 | Violence in America |
| PLS 347 | International Regimes | SRP 456 | Public Health Ethics |
| PLS 362 | Conservative Political Thought | SRP 457 | Biomedical Ethics |
| PLS 365 | Classics of Political Thought | SRP 458 | Theology and Vocation to Health Care |
| PLS 405 | Ethnicity, Nationalism and Democracy | SRP 460 | Humanity & Concept of Future |
| PLS 411 | Politics of Africa | SRP 465 | Faith and Political Action |
| PLS 420 | Seminar: The First Amendment (This Topic Only) | SRP 468 | Christianity and Power |
| | | SRP 469 | Psychological & Theological Approaches |
| PLS 430 | Ethics in Post-Communist Countries | SRP 470 | Poverty in America |
| PLS 435 | Global Poverty and Development | SRP 477 | Gendered Health Across the Lifespan |
| PLS 436 | Politics of Science and Technology | SRP 478 | Intersections of Working Personal Life |
| PLS 438 | Contemporary Issues in Civil Liberties | SRP 481 | Poverty, Development & Public Policy |
| PLS 439 | First Amendment to the Constitution | SRP 482 | Race in America |
| PLS 444 | Non-Violence and Peaceful Resolution | SRP 487 | The Bible and the Holocaust |
| PLS 465 | Faith and Political Action | SRP 489 | American Prisons |
| PLS 468 | Christianity and Power | SWK 275 | Human Behavior & Social Environment |
| PLS 481 | Poverty, Development & Public Policy | SWK 339 | Public Policy and Poverty in the U.S. |
| PLS 482 | Race in America | SWK 351 | Economic, Policy and Social Welfare |
| PLS 591 | Senior Research Seminar | SWK 409 | Race and Gender Relations |
| PSY 316 | Research Methods and Statistics II Lab | SWK 422 | Children of Poverty |
| PSY 353 | Industrial Psychology | SWK 435 | Practice III |
| PSY 363 | Psychology and the Law | THL 349 | Egyptian Art and Archaeology |
| PSY 374 | Human Sexuality | THL 351 | Introduction to Chinese Philosophy |
| PSY 424 | History and Systems of Psychology | THL 353 | Introduction to Buddhism |
| PSY 426 | Evolutionary Psychology | THL 354 | Introduction to Judaism |
| PSY 491 | Honors Seminar | THL 356 | Christianity in Africa |
| SOC 307 | Demography: World Population Issues | THL 357 | Introduction to Islam |
| SOC 310 | Religion in Contemp. American Society | THL 359 | Living Religions of the World |
| SOC 312 | Quan. Methods in the Social Sciences | THL 361 | Social Justice and Service |
| SOC 316 | Qual. Methods in the Social Sciences | THL 416 | The Jesuits, their History & Spirituality |
| SOC 320 | Sociology of Deviant Behavior | THL 420 | Science and Religion |
| SOC 321 | Sociology of the Criminal Justice System | THL 457 | Biomedical Ethics |
| SOC 333 | Social Psychology | THL 458 | Theology and Vocation to Health Care |
| SOC 350 | Social Change | THL 468 | Christianity and Power |
| SOC 355 | Environment and Society: Perspectives | THL 469 | Psychological & Theological Approaches |
| SOC 360 | Gender, Society and Culture | THL 492 | Senior Seminar for Theology Majors |
| SOC 423 | Law and Society | THL 508 | Gospel of Mark |
| SOC 440 | Gender Communication | THL 509 | Gospel of Luke and Acts of Apostles |
| SOC 499 | Globalization | THL 516 | The Book of Revelation |
| SPN 401 | Advanced Spanish Composition | THL 518 | Women and the Bible |
| SPN 422 | Latin-American Culture/Civilization | THL 520 | The Dead Sea Scrolls |
| SPN 425 | Introduction to Literary Analysis | THL 524 | History of Ancient Israel |
| SPN 555 | 20th Century Latin American Theatre | THL 531 | Studies in Early Christianity |
| SPN 556 | Understanding Latin American Boom | THL 534 | Introduction to Liberation Theology |

CERTIFIED WRITING COURSES (continued)*Required: Four courses*

| | | | |
|----------------|---------------------------------------|----------------|--|
| THL 538 | Seminar in Christian Anthropology | THR 465 | Theatre History (5th Century, B.C.-1700) |
| THL 539 | Seminar in Christian Eschatology | THR 466 | World Theatre History (1700-Present) |
| THL 552 | Studies in Medieval Christianity | WGS 360 | Gender, Society and Culture |
| THL 555 | Major Christian Theologian | WGS 409 | Race and Gender Relations |
| THL 556 | Christianity and Modern Humanism | WGS 410 | Women in Literature |
| THL 561 | Finding God in Daily Life | WGS 435 | Women, Art and Society |
| THL 563 | Contemporary Moral Problems | WGS 440 | Gender Communication |
| THL 565 | Catholic Social Teaching | WGS 462 | Gender, Work, and Organizing |
| THL 568 | Women in the Christian Tradition | WGS 477 | Gendered Health Across the Lifespan |
| THL 575 | Foundations of Christian Spirituality | WGS 518 | Women and the Bible |
| THR 428 | Film and the Fine Arts | WGS 551 | Women Writers in French Lit |
| THR 461 | American Theatre History | | |

Degrees

The College of Arts and Sciences awards 10 different bachelor's degrees. While the majority of students in each graduating class receive Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) degrees, the College also offers the following programs of study that either provide greater concentration in a specific academic field or serve as a professional credential:

*Bachelor of Fine Arts (B.F.A.)**Bachelor of Science in Atmospheric Sciences (B.S. Ats.)**Bachelor of Science in Chemistry (B.S.Chm.)**Bachelor of Science in Environmental Science (B.S.Evs.)**Bachelor of Science in Mathematics (B.S.Mth.)**Bachelor of Science in Physics (B.S.Phy.)**Bachelor of Social Work (B.S.W.)***Majors**

Students complete most of their advanced work within their majors. Students must achieve a cumulative grade point average of at least 2.00 in the minimum requirements of their majors to qualify for graduation.

To maintain satisfactory progress toward their degrees, students must apply and be accepted by a major program. Ordinarily, students apply for their major programs during their Sophomore year. Some students may apply for the major earlier, and may do so after completing their first semester at Creighton.

In order to apply, students must have an overall GPA of 2.00 and have satisfied any specific requirements as indicated by the major department in this bulletin. Application for major programs is found online through the link found at <http://www2.creighton.edu/ccas/formsandlinks>.

Department chairs and program directors may defer or decline students who do not meet the designated criteria. However, at the time of graduation, any student who meets all the published criteria of the University may request the College to award the degree and major regardless of the prior actions of the department. Such requests should be directed to the Associate Dean.

Structure of Majors

The majors offered in the College of Arts and Sciences differ in the ways in which they structure their requirements, as they must if they are to meet the diverse needs of Creighton students and reflect the widely varying natures of their respective academic disciplines.

Some majors focus on a single sequence of courses. Other programs offer two or more **tracks** - course sequences, one of which a student must select in order to complete the major. Still others list **specializations** - optional, alternative or additional sequences of coursework that students may elect in order to focus their major program more narrowly.

Degrees, Majors, Tracks and Specializations Offered in the College

The following list shows all the subjects offered as majors in the College by degree together with the tracks and specializations that each allows. Specific requirements for each program appear in the listing for the relevant department or program in the Courses of Instruction section of this bulletin.

Bachelor of Arts (B.A.)

American Studies
Art History
Classical Languages: Greek Track
Classical Languages: Latin Track
Classical and Near Eastern Civilizations
Communication Studies
Cultural Anthropology
Economics
English
 American Literature Specialization
 British Literature Specialization
 Creative Writing Specialization
 English Education Specialization
 Rhetoric and Composition Specialization
French and Francophone Studies
German Studies
Graphic Design
History
 International Relations Specialization
International Relations
Journalism: Advertising Track
Journalism: New Media Track
Journalism: News Track
Journalism: Photo Journalism Track
Journalism: Public Relations Track
Justice and Society
Medical Anthropology
Music
Native American Studies
Philosophy
 Ethics Specialization
Political Science: Legal Studies Track
Political Science: Political Science Track
Political Science: Public Policy Track
Psychology
Spanish and Hispanic Studies: Professional Track
Spanish and Hispanic Studies: Literary Track
Studio Art
Sustainable Energy
Theatre
Theology
 Biblical Studies Specialization
 Doctrinal, Historical or Liturgical Theology
 Specialization
 Christian Life Studies Specialization

Bachelor of Fine Arts (B.F.A.)

Studio Art
Musical Theatre
Theatre: Performance Track
Theatre: Technical Track

Bachelor of Science (B.S.)

Applied Physical Analysis
Atmospheric Sciences
Biology
Chemistry: Generalist Track
Chemistry: Chemistry Education Track
Digital Design and Development
Elementary Education
 Special Education for the Mildly/Moderately
 Handicapped P-6 Specialization
 Special Education for the Mildly/Moderately
 Handicapped 7-12 Specialization
 English as a Second Language (P-12) Teaching
 Endorsement Specialization
Energy Science
Exercise Science
Health Administration and Policy
Informatics and Computing Science
Mathematics
Physics
Sociology: Standard Sociology Track
Sociology: Applied Research Methods Track
Sociology: Criminal Justice Policy Track

Bachelor of Science in Atmospheric Sciences (B.S. Ats.)

Atmospheric Sciences

Bachelor of Science in Chemistry (B.S.Chm.)

Chemistry Track
Biochemistry Track

Bachelor of Science in Environmental Sciences (B.S. Evs.)

Global and Environmental Systems Track
Organismal/Population Ecology Track
Environmental Policy and Society Track

Bachelor of Science in Mathematics (B.S.Mth.)

Pure Mathematics Track
Medical Mathematics Track

Bachelor of Science in Physics (B.S. Phy.)

Physics

Bachelor of Social Work (B.S.W.)

Social Work

Double Majors

Students in the College of Arts and Sciences may complete more than one major. Students completing more than one major are responsible for all the normal requirements, including specified requisite courses, for those programs. Students must choose a primary major. Students in the College of Arts and Sciences do not receive dual degrees. All major programs of study completed are indicated on students' official transcripts.

Minors

Minors offer students the opportunity to develop substantial knowledge in areas outside their majors and achieve the second and third College learning outcomes:

To think critically about information, assumptions, and arguments found in multiple forms of academic and cultural discourse; and

To integrate broad and diverse learning with at least one individually chosen academic discipline or professional field.

A student may not declare a minor until he or she has been accepted into a Major.

Eighteen credits of coursework are required to complete a minor. Students must achieve a cumulative GPA of 2.00 in courses toward the minor. Students declare minors online. The Minor Declaration Form can be found at <http://www.creighton.edu/ccas/formsandlinks>.

| | |
|--|---|
| African Studies | Historical and Systematic Theology |
| American Studies | History |
| Ancient Greek | History and Philosophy of Science |
| Ancient History | International Relations |
| Applied Ethics: Philosophical and Theological Approaches | Italian |
| Art History | Justice and Peace Studies |
| Asian Studies | Latin |
| Atmospheric Sciences | Legal Studies |
| Behavioral and Cognitive Neuropsychology | Mathematics |
| Biblical Studies | Mathematical Logic |
| Biological Physics | Medical Anthropology |
| Biology | Military Science |
| Black Studies | Music |
| Business (offered through the College of Business) | Native American Studies |
| Christian Life Studies | Political Science |
| Classical and Near Eastern Civilizations | Philosophy |
| Communication Studies | Physics |
| Criminal Justice Policy | Public Health |
| Dance | Public Policy |
| Economics (offered through the College of Business) | Sociology |
| English | Social Entrepreneurship (offered through the College of Business) |
| Environmental Policy | Sustainable Energy |
| Environmental Science | Spanish and Hispanic Studies |
| European Studies | Studio Art |
| Film Studies | Theatre |
| French and Francophone Studies | Women's and Gender Studies |
| German Studies | |
| Globalization: Social and Cultural Issues | |
| Health Administration and Policy | |

Associate Degrees

Associate Degrees at Creighton University are offered through University College. See page 287 for information.

ACADEMIC DEPARTMENTS AND INTERDISCIPLINARY PROGRAMS

AFRICAN STUDIES

Program Director: James S. Wunsch
Program Office: Creighton Hall, Room 430A

Program Description: African Studies is an interdisciplinary program drawing from faculty in the departments of History, English, Sociology and Anthropology, Political Science and International Relations and Theology. It attempts to provide students with factual and theoretical material necessary to understand the issues facing contemporary Africa through courses approaching Africa from humanistic, ethnographic, historical, institutional, and policy-oriented perspectives. The program also offers films, social events, symposia and visiting lecturers to go beyond course offerings.

Web Contact/Information: Additional information about this program may be found at <http://puffin.creighton.edu/afs>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAM IN AFRICAN STUDIES

AFRICAN STUDIES MINOR

Program Description: The African Studies minor offers students an overview of historical, literary, political and ethnographic material about Africa. The African Studies minor empowers all students to be better citizens and members of increasingly global social and professional communities. Students with this background will be able to understand the African continent and its people and will, hence, become more culturally aware medical practitioners, immigration lawyers, and international business negotiators.

Contact: Director, African Studies Program

(All of the following:)

| | | |
|---------|--|-----------|
| AFS 342 | Peoples and Cultures of Sub-Saharan Africa | 3 credits |
| AFS 390 | Introduction to African Literature | 3 credits |
| AFS 411 | Politics of Africa | 3 credits |

(One of the following:)

| | | |
|---|--|-----------|
| AFS 388 | Origins of Modern Africa | 3 credits |
| AFS 484 | Nationalist Movements in Colonial Africa | 3 credits |
| AFS 487 | History of West Africa | 3 credits |
| AFS 489 | Southern Africa: The Politics of Race | 3 credits |
| Six additional credits from any 300- or 400-level AFS courses | | 6 credits |

For all AFS courses, please refer to page 286.

AMERICAN STUDIES

Program Directors: Heather E. Fryer, Tracy N. Leavelle
 Program Office: Creighton Hall, Room 329D

Program Description: The American Studies Program seeks to prepare graduates with the knowledge and skills to bring critical insights to the study of the American experience in all its diversity, past and present. Faculty members aim to stimulate critical and creative thinking through interdisciplinary and comparative study with attention to transnational issues and current theoretical frameworks.

Web Contact/Information: Additional information about this department may be found at <http://www2.creighton.edu/ccas/americanstudies>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes: <http://www.creighton.edu/Registrar>.

PROGRAM IN AMERICAN STUDIES

Specific Requirements for Admission to the American Studies Major: Successful completion of AMS 307 Introduction to American Studies with a grade of "C" or better.

B. A., Major in American Studies: 30 Credits*Course Requirements***(All of the following:)**

| | | |
|---------|--|-----------|
| AMS 307 | Introduction to American Studies | 3 credits |
| AMS 308 | Theories and Methods in American Studies | 3 credits |
| AMS 491 | Senior Seminar | 3 credits |

(Two courses from three of the following groups:)*American Fine and Performing Arts*

| | | |
|---------|--|-----------|
| AMS 353 | Jazz in American Culture | 3 credits |
| AMS 384 | History of American Architecture | 3 credits |
| AMS 385 | Survey of American Art | 3 credits |
| AMS 387 | Modern Hispanic Art History | 3 credits |
| AMS 426 | The West of the Imagination | 3 credits |
| AMS 467 | History of The Art of Spain and Her Colonies | 3 credits |
| AMS 468 | Native American Art | 3 credits |
| ARH 386 | History & Aesthetics of Latin American Photography | 3 credits |
| THR 461 | American Theatre History | 3 credits |

American History

| | | |
|---------|--|-----------|
| AMS 406 | German Immigrant Culture in the United States | 3 credits |
| AMS 460 | The History of Women in the United States | 3 credits |
| AMS 482 | Race in America: Idea and Reality | 3 credits |
| HIS 108 | The Native American World | 3 credits |
| HIS 311 | United States History to 1877 | 3 credits |
| HIS 312 | United States History Since 1877 | 3 credits |
| HIS 355 | Constitutional History of the United States Since 1877 | 3 credits |
| HIS 357 | Religion in American Society to 1865 | 3 credits |
| HIS 358 | Religion in American Society from 1865 to the Present | 3 credits |
| HIS 367 | The Afro-American Experience | 3 credits |
| HIS 372 | Equality, Minorities, and Public Policy | 3 credits |
| HIS 375 | The United States and Latin America | 3 credits |
| HIS 384 | Black History Through Literature | 3 credits |
| HIS 449 | The American Colonies | 3 credits |
| HIS 450 | Revolutionary America | 3 credits |
| HIS 451 | The Early American Republic | 3 credits |
| HIS 452 | The Civil War and Reconstruction | 3 credits |
| HIS 458 | The Sixties | 3 credits |
| HIS 565 | The United States and Canada | 3 credits |

American Literatures

| | | |
|---------|--|-----------|
| AMS 312 | Mass Media and Modern Culture | 3 credits |
| AMS 329 | American Literature/American Identity | 3 credits |
| AMS 350 | American Literature I: Beginnings to Civil War | 3 credits |
| AMS 393 | African-American Literature | 3 credits |
| ENG 351 | American Literature II: 1860-1914 | 3 credits |
| ENG 352 | English and American Literature: 1914 to the Present | 3 credits |
| ENG 353 | Introduction to Native American Literature | 3 credits |
| ENG 371 | American Literature: Vision and Reality | 3 credits |
| ENG 381 | Literature and the Environment | 3 credits |
| ENG 389 | The Roaring Twenties | 3 credits |
| ENG 405 | The Thirties | 3 credits |
| ENG 434 | Irish-American Literature | 3 credits |
| ENG 469 | Modern American Poetry | 3 credits |
| ENG 470 | Seminar in Film Studies | 3 credits |
| ENG 471 | Modern American Drama | 3 credits |
| ENG 473 | 19th-Century American Novel | 3 credits |
| ENG 474 | Modern American Novel | 3 credits |
| ENG 475 | Contemporary American Literature | 3 credits |

American Philosophy

| | | |
|---------|------------------------|-----------|
| AMS 317 | Philosophy of Sport | 3 credits |
| AMS 367 | American Philosophy | 3 credits |
| AMS 465 | American Pragmatism | 3 credits |
| PHL 348 | Philosophy of Feminism | 3 credits |

American Politics

| | | |
|---------|--|-----------|
| AMS 121 | American Government and Politics | 3 credits |
| AMS 325 | American States and Regions | 3 credits |
| AMS 327 | Minority Politics in America | 3 credits |
| AMS 328 | Mass Media in American Politics | 3 credits |
| AMS 335 | Federal Indian Policy and Law | 3 credits |
| AMS 339 | Public Policy and Poverty in the United States | 3 credits |
| AMS 372 | Equality, Minorities, and Public Policy | 3 credits |
| AMS 432 | Democratic Theory | 3 credits |
| AMS 437 | Religion and Public Life in the United States | 3 credits |
| PLS 322 | American Presidency | 3 credits |
| PLS 438 | Contemporary Issues in Civil Liberties | 3 credits |

American Society and Culture

| | | |
|---------|--|-----------|
| AMS 102 | Introduction to Sociology: Social Problems | 3 credits |
| AMS 301 | Social and Cultural Theory | 3 credits |
| AMS 310 | Religion and Contemporary American Society | 3 credits |
| AMS 316 | Qualitative Methods in the Social Sciences | 3 credits |
| AMS 318 | Gender in American Society | 3 credits |
| AMS 330 | Museums and Social Science | 3 credits |
| AMS 331 | Indians of the Great Plains | 3 credits |
| AMS 340 | Native American Cultures and Health | 3 credits |
| AMS 341 | American Cultural Minorities | 3 credits |
| AMS 343 | Peoples and Cultures of Native North America | 3 credits |
| AMS 345 | Sport in American Culture | 3 credits |
| AMS 355 | Environment and Society: Sociological Perspectives | 3 credits |
| AMS 358 | Critical Issues in Study of North American Religions | 3 credits |
| AMS 360 | Gender, Society and Culture | 3 credits |
| AMS 365 | Issues of the Native American Experience | 3 credits |
| AMS 411 | Social Inequality and Stratification | 3 credits |
| AMS 470 | Introduction to Geographic Information Systems | 3 credits |
| ANT 330 | Museums and Social Science | 3 credits |
| SOC 205 | American Family Issues | 3 credits |

Inquiries in American Studies

| | | |
|--|-------------------------------------|-----------|
| AMS 395 | Selected Topics | 3 credits |
| AMS 400 | Topical Seminar in American Studies | 3 credits |
| AMS 493 | Directed Independent Readings | 3 credits |
| AMS 497 | Directed Independent Research | 3 credits |
| AMS 585 | American Studies Internship | 3 credits |
| One additional course from any of the above groups | | 3 credits |

AMERICAN STUDIES MINOR

Program Description: The American Studies minor complements single-disciplinary studies in American politics, society, and culture through interdisciplinary approaches that are comparative, theoretical, and transnational in scope.

Contact: Director, American Studies Program

(All of the following:)

| | | |
|---------|--|-----------|
| AMS 307 | Introduction to American Studies | 3 credits |
| AMS 308 | Theories and Methods in American Studies | 3 credits |

(Two courses from two of the following groups:)*American Fine and Performing Arts*

(Same list from page 102)

American History

(Same list from page 102)

American Literatures

(Same list from page 103)

American Philosophy

(Same list from page 103)

American Politics

(Same list from page 103)

American Society and Culture

(Same list from page 103)

Inquiries in American Studies

(Same list from page 104)

Teacher Certification

Students who think they may teach Social Science or History in secondary schools must consult with the Education Department, with the Director of the American Studies Program, and with the appropriate agency in the state in which they intend to teach.

Certificate Programs in University College

This program does not offer a certificate program to students in University College.

For all AMS courses, please refer to page 289.

ANTHROPOLOGY, See Department of Sociology and Anthropology, page 199.

ASIAN STUDIES

Program Director: Jinmei Yuan; Maorong Jiang

Program Office: Creighton Hall, Room 341

Program Description: Asian Studies is an interdisciplinary program designed to provide undergraduate students with a broad understanding of Asian cultures and an awareness of the important historical and international events happening in the Asian world. This program is designed to build a solid foundation of philosophy, religion, history and political science for further study in this field.

Web Contact/Information: For definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAM IN ASIAN STUDIES**ASIAN STUDIES MINOR**

Program Description: Asian Studies is an interdisciplinary program designed to provide undergraduate students with a broad understanding of Asian cultures and an awareness of the important historical and international events happening in the Asian world. This program is designed to build a solid foundation of philosophy, religion, history and political science for further study in this field.

Contact: Jinmei Yuan, Associate Professor of Philosophy; Maorong Jiang, Director of Asian World Center.

(All of the following:)

| | | |
|---------|-------------------------------|-----------|
| ASN 300 | Introduction to Asian Studies | 3 credits |
|---------|-------------------------------|-----------|

(One of the following:)

| | | |
|---------|------------------------------------|-----------|
| PHL 351 | Introduction to Chinese Philosophy | 3 credits |
| PHL 353 | Introduction to Buddhism | 3 credits |

(One of the following:)

| | | |
|---------|-----------------|-----------|
| HIS 103 | The Asian World | 3 credits |
| HIS 467 | Modern China | 3 credits |
| HIS 468 | Modern Japan | 3 credits |

(One of the following:)

| | | |
|---------|-------------------------------------|-----------|
| PLS 315 | Politics of Asia | 3 credits |
| PLS 316 | Government and Politics of PR China | 3 credits |

*Electives***(Two of the following:)**

| | | |
|---------|---|-----------|
| ANT 348 | Peoples and Cultures of Asia | 3 credits |
| ANT 349 | Peoples and Cultures of India | 3 credits |
| CHN 101 | Beginning Chinese I | 3 credits |
| CHN 102 | Beginning Chinese II | 3 credits |
| HIS 464 | Women, Marriage, and Family in East Asian Society | 3 credits |
| HIS 465 | Japanese Popular Culture | 3 credits |
| HIS 466 | Popular Culture in Traditional China and Japan | 3 credits |
| HIS 467 | Modern China | 3 credits |
| HIS 468 | Modern Japan | 3 credits |
| JPN 101 | Beginning Japanese I | 3 credits |
| JPN 102 | Beginning Japanese II | 3 credits |
| JPN 225 | Kanji Writing | 3 credits |
| PHL 351 | Introduction to Chinese Philosophy | 3 credits |
| PHL 353 | Introduction to Buddhism | 3 credits |
| PLS 315 | Politics of Asia | 3 credits |
| PLS 316 | Government and Politics of PR China | 3 credits |
| SRP 434 | Philosophy of East Asian Literature and Film | 3 credits |
| THL 583 | Exploring Buddhism | 3 credits |

For the ASN 300 course description, please refer to page 306.

ATMOSPHERIC SCIENCES

Chair: Joseph A. Zehnder

Department Office: Hixson-Lied Science Building, Room 504

Professor: J. Zehnder;
Professor Emeritus: A. Douglas;
Associate Professor: J. Schrage;
Assistant Professor: T. Wagner.

Department Description: The Atmospheric Sciences Major introduces students to a wide range of scientific inquiry relative to the earth's atmosphere. A broad set of courses are offered in weather analysis, forecasting, atmospheric dynamics and numerical weather forecasting. The major is available through two degree options. The first option, the Bachelor of Science in Atmospheric Sciences degree (B.S.Atms.) prepares students for graduate studies and research fields within the Atmospheric Sciences as well as fulfilling requirements of the American Meteorological Society and requirements for employment with the National Weather Service and other branches of the National Oceanic and Atmospheric Administration. The second option, the Bachelor of Science (B.S.) degree, will prepare students with a general background in Atmospheric Sciences.

Web Contact/Information: Additional information about this department may be found at <http://ats.creighton.edu>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN ATMOSPHERIC SCIENCES

Specific Requirements for Admission to the Atmospheric Sciences Major: Successful completion of ATS 113, ATS 114, and MTH 245.

B.S. Ats., Major in Atmospheric Sciences: 44 Credits

Course Requirements

(All of the following:)

| | | |
|---|--|------------|
| ATS 113 | Introduction to Atmospheric Sciences | 3 credits |
| ATS 114 | Introduction to Atmospheric Sciences Laboratory | 1 credit |
| ATS 211 | Weather Analysis and Forecasting | 3 credits |
| ATS 315 | Computer Applications in Meteorology | 3 credits |
| ATS 510 | Introduction to Physical Meteorology | 3 credits |
| ATS 555 | Meteorological Remote Sensing | 3 credits |
| ATS 561 | Synoptic Meteorology I | 3 credits |
| ATS 562 | Synoptic Meteorology II | 4 credits |
| ATS 570 | Quantitative Methods in the Atmospheric Sciences | 3 credits |
| ATS 571 | Dynamic Meteorology I | 3 credits |
| ATS 572 | Dynamic Meteorology II | 3 credits |
| At least 12 elective credits from ATS courses 400-level or above. | | 12 credits |

Requisite Courses: MTH 245 and MTH 246 and MTH 545; PHY 211 and PHY 212.

B. S., Major in Atmospheric Sciences: 26 Credits

Course Requirements

(All of the following:)

| | | |
|---------|---|-----------|
| ATS 113 | Introduction to Atmospheric Sciences | 3 credits |
| ATS 114 | Introduction to Atmospheric Sciences Laboratory | 1 credit |
| ATS 542 | Radar Remote Sensing | 3 credits |
| ATS 555 | Meteorological Remote Sensing | 3 credits |
| ATS 561 | Synoptic Meteorology I | 3 credits |
| ATS 562 | Synoptic Meteorology II | 4 credits |
| ATS 571 | Dynamic Meteorology I | 3 credits |
| ATS 572 | Dynamic Meteorology II | 3 credits |

One additional course chosen in consultation with the department chair. 3 credits

ATS 497 Directed Independent Research is highly recommended and is normally taken for a total of 3 credits during the student's Senior year, during which the student will develop a written report.

Requisite Courses: MTH 245 and MTH 246, PHY 211 and PHY 212 are required. Additional courses in one or more of the following fields are highly recommended: Computer Science, Chemistry, Mathematics, Statistics or Environmental Sciences.

ATMOSPHERIC SCIENCES MINOR

Program Description: The Atmospheric Sciences minor explores a wide range of investigation within synoptic meteorology, forecasting, global climatology and climate change. The course work in the minor is designed to give the student a grasp of the various subdisciplines associated with the Atmospheric Sciences and allied Physical Sciences. Students may select either a set of courses emphasizing a specific area of interest (e.g. the meteorology of severe weather, global climate change, or analysis and forecasting) or a broad spectrum of courses representing diverse areas of inquiry within the atmospheric and earth sciences.

Contact: Chair, Department of Atmospheric Sciences

(All of the following:)

| | | |
|--|---|-----------|
| ATS 113 | Introduction to Atmospheric Sciences | 3 credits |
| (Fifteen credits from the following:) | | |
| ATS 114 | Introduction to Atmospheric Sciences Laboratory | 1 credit |
| ATS 211 | Weather Analysis and Forecasting | 3 credits |
| ATS 443 | Environmental Geology | 4 credits |
| ATS 533 | Physical Climatology and Climate Change | 3 credits |
| ATS 541 | Ats. Diffusion, Air Poll. Env. Impact Analysis | 3 credits |
| ATS 542 | Radar Remote Sensing | 3 credits |
| ATS 544 | Hydrology | 3 credits |
| ATS 545 | Mesoscale Analysis | 3 credits |
| ATS 553 | Tropical Meteorology | 3 credits |
| ATS 555 | Meteorological Remote Sensing | 3 credits |
| ATS 556 | Introduction to Physical Oceanography | 3 credits |
| ATS 561 | Synoptic Meteorology I | 3 credits |
| ATS 562 | Synoptic Meteorology II | 4 credits |
| ATS 571 | Dynamic Meteorology I | 3 credits |
| ATS 572 | Dynamic Meteorology II | 3 credits |

Certificate Program in University College

This department offers one certificate program in Atmospheric Sciences to students in University College. See the description for this certificate on page 290 in the University College section of the Bulletin.

For all ATS courses, please refer to page 306.

BIOLOGY

Chair: Mark Reedy

Associate Chair: Alistair Cullum

Department Office: Hixson-Lied Science Building, Room 448

Professors: T. Burk, J. Platz, J. Schalles; Professors Emeriti: R. Belknap, H. Nickla, A. Schlesinger;

Associate Professors: A. Cullum, M. Reedy, M. Vinton; Associate Professor Emerita: J. Roberts; Assistant Professors: C. Austerberry, C. Brockhouse, S. Cho, C. Fassbinder-Orth, A. Shibata, M. Taylor, K. van Dijk.

Department Description: The Creighton Biology Department offers foundational and advanced courses across major subdisciplines of biology. Lecture and lab experiences are grounded in first principles. Modern facilities, faculty active in research and a commitment to mentoring students all contribute to a rich environment for developing a sound foundation in life science and opportunities to participate in original research.

Web Contact/Information: Additional information about this department may be found at <http://biology.creighton.edu/>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN BIOLOGY

Specific Requirements for Admission to the Biology Major: Completion of a Creighton BIO course at 200-level or above with a grade of "C" or higher.

B. S., Major in Biology: 33 Credits

Course Requirements

(All of the following:)

| | | |
|---------|--|-----------|
| BIO 211 | General Biology: Molecular And Cellular | 4 credits |
| BIO 212 | General Biology: Organismal And Population | 4 credits |

(Twenty-five additional upper-division BIO credits from the list below:)

This upper-division coursework must include the following:

Seven lecture courses (3 credits or 4 credits)

A minimum of four lecture courses from the 300 and/or 400 levels, and two lecture courses from the 500 level. At least one of these seven lecture courses must come from each of three areas: 1. Cellular/Molecular, 2. Organismal, 3. Population/ Ecology/ Evolution. These areas are designated as "Cell," "Org," and "Pop," respectively, in the third column of the course list below.

Four laboratory courses

This requirement may be satisfied by any combination of 4 credit lecture+laboratory or 1 or 2 credit laboratory-only courses. These courses are designated by "Lab" in the course list below. Lecture+laboratory courses may apply simultaneously to both the lecture and laboratory requirements.

| | | | |
|---------|--|-----------|-----------|
| BIO 317 | Genetics | Cell | 3 credits |
| BIO 318 | Genetics Laboratory | Lab | 1 credit |
| BIO 333 | Vertebrate Comparative Anatomy | Lab, Org | 4 credits |
| BIO 335 | Zoology | Lab, Org | 4 credits |
| BIO 341 | General Botany | Lab, Org | 4 credits |
| BIO 351 | Microbiology | Lab, Cell | 4 credits |
| BIO 362 | Cell Structure and Function | Cell | 3 credits |
| BIO 385 | Ecology, Geography and Health of Lakes | Lab, Pop | 4 credits |
| BIO 390 | Environmental Science | Pop | 3 credits |
| BIO 401 | Biostatistics | Lab | 4 credits |
| BIO 419 | Molecular Biology Laboratory | Lab | 2 credits |
| BIO 432 | Introduction to Immunology | Cell | 3 credits |
| BIO 435 | Coastal and Estuarine Ecology | Lab, Pop | 4 credits |
| BIO 449 | Animal Physiology | Org | 3 credits |
| BIO 450 | Animal Physiology Laboratory | Lab | 1 credit |
| BIO 455 | Biology of the Protists | Lab, Cell | 4 credits |
| BIO 467 | Developmental Biology (Embryology) | Lab, Org | 4 credits |
| BIO 481 | Terrestrial Ecology | Lab, Pop | 4 credits |

| | | | |
|---------|--|-----------|-----------|
| BIO 483 | Vertebrate Natural History Lecture | Pop | 3 credits |
| BIO 484 | Vertebrate Natural History Laboratory | Lab | 1 credit |
| BIO 485 | Marine and Freshwater Ecology | Pop | 3 credits |
| BIO 486 | Freshwater Ecology Laboratory | Lab | 1 credit |
| BIO 487 | Marine Ecology Laboratory | Lab | 2 credits |
| BIO 501 | Bioinformatics: Genomics Approach | Lab, Cell | 4 credits |
| BIO 517 | Current Topics in Genetics | Cell | 3 credits |
| BIO 520 | Cytogenetics | Lab, Cell | 4 credits |
| BIO 523 | Environmental Toxicology | Pop | 3 credits |
| BIO 532 | Current Topics in Cell. and Mol. Biology | Cell | 3 credits |
| BIO 539 | Ecology of Zoonotic Diseases | Pop | 3 credits |
| BIO 549 | Environmental Physiology | Org | 3 credits |
| BIO 551 | Current Topics in Microbiology | Cell | 3 credits |
| BIO 559 | Special Topics in Physiology | Org | 3 credits |
| BIO 561 | Entomology | Lab, Org | 4 credits |
| BIO 562 | Neurobiology | Cell, Org | 3 credits |
| BIO 563 | Neurobiology Laboratory | Lab | 2 credits |
| BIO 567 | Current Topics in Neuroscience | Cell | 3 credits |
| BIO 571 | Animal Behavior | Org | 3 credits |
| BIO 572 | Animal Behavior Laboratory | Lab | 2 credits |
| BIO 580 | Current Topics in Ecology | Pop | 3 credits |
| BIO 581 | Evolution | Lab, Pop | 4 credits |

BIO 493, 495 and 497 do not apply toward the major requirements. BIO 490 can be applied toward the lab requirement if taken twice.

Upon petition prior to enrollment, courses in departments other than Biology (such as CHM 371 or BMS 521) may be approved for non-laboratory biology major credit; a student may exercise this option for only one such course.

Requisite Courses: Twenty-four credits in the following courses: CHM 203, 204, 205 (or 285), 206 (or 286), 321, 322, 323, 324; PHY 211, 212.

BIOLOGY MINOR

Program Description: The Biology minor introduces students to foundational and advanced courses across the major subdisciplines of modern biology. Lecture and lab experiences are grounded on fundamental principles. In addition to the General Biology courses, a diversity of life science topics are available in upper division courses at the cellular and molecular, organismal, and ecological and evolutionary biology levels. Students can design a study plan which allows an in-depth exploration of one area or a broader survey of several subdisciplinary areas of biology.

Contact: Chair, Department of Biology

(All of the following:)

| | | |
|---|--|------------|
| BIO 211 | General Biology: Molecular and Cellular | 4 credits |
| BIO 212 | General Biology: Organismal and Population | 4 credits |
| Ten additional credits in BIO courses numbered 300 and above. | | 10 credits |

The ten additional credits must include at least one lecture+laboratory or laboratory-only course. Courses in departments other than Biology may not be applied towards this minor. BIO 490, BIO 493, BIO 495, and BIO 497 cannot be applied towards this minor.

Teacher Certification

Students who plan to teach Biology in secondary schools should consult with the Education Department, the Biology Department, and the appropriate agency in the state in which they intend to teach. PHY 187 and either ATS 113 and 114, EVS 443 or PHY 107 and 108 should be substituted for PHY 211 and 212 as supporting courses.

Certificate Programs in University College

This department does not offer a certificate program to students in University College.

For all BIO courses, please refer to page 311.

BLACK STUDIES

Program Office: Creighton Hall, Room 130B

Program Description: The Black Studies Program offers a program to undergraduate students in all disciplines who are especially interested in Africa and the African Diaspora, especially in the United States. The Program is designed to allow students to investigate more widely areas in the Humanities and Social Sciences connected to their major or track or to further their special interest. Independent studies and independent research are available to advanced students.

Web Contact/Information: For definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAM IN BLACK STUDIES**BLACK STUDIES MINOR**

Program Description: The Black Studies minor offers students the opportunity to examine developments and ideas in Africa and in the African diaspora from an interdisciplinary and multidisciplinary perspective. As such, it provides opportunities to explore social, political, intellectual and artistic currents in Africa, the Americas, and Europe with relevance to Africans or to Blacks of the diaspora as well as their arts, culture, and literature.

Contact: Director, Black Studies Program

*History/ Political Science***(One of the following):**

| | | |
|---------|--|-----------|
| BKS 106 | The African World | 3 credits |
| BKS 367 | The African-American Experience | 3 credits |
| BKS 372 | Equality, Minorities, and Public Policy | 3 credits |
| BKS 384 | Black History Through Literature | 3 credits |
| BKS 388 | Origins of Modern Africa | 3 credits |
| BKS 411 | Politics of Africa | 3 credits |
| BKS 482 | Race in America: Idea and Reality | 3 credits |
| BKS 484 | Nationalist Movements in Colonial Africa | 3 credits |
| BKS 485 | Society and Belief Systems in Africa | 3 credits |
| BKS 487 | History of West Africa | 3 credits |
| BKS 489 | Southern Africa: The Politics of Race | 3 credits |

*Anthropology/Sociology/Psychology***(One of the following):**

| | | |
|---------|------------------------------------|-----------|
| BKS 309 | The Urban Social System | 3 credits |
| BKS 341 | American Cultural Minorities | 3 credits |
| PSY 478 | Multicultural Issues in Psychology | 3 credits |

*Literature/ Fine Arts***(One of the following):**

| | | |
|--|------------------------------------|-----------|
| ARH 319 | Art International | 3 credits |
| BKS 390 | Introduction to African Literature | 3 credits |
| BKS 393 | African-American Literature | 3 credits |
| BKS 398 | Literature of Francophone Africa | 3 credits |
| MUS 353 | Jazz in American Culture | 3 credits |
| Nine additional credits of any BKS course. | | 9 credits |

For all BKS courses, please refer to page 315.

CHEMISTRY

Chair: Martin R. Hulce

Associate Chair: David A. Dobberpuhl

Department Office: Hixson-Lied Science Building, Room 268

Professors: M. Hulce, B. Mattson, J. Soukup;

Associate Professors: D. Dobberpuhl, J. Fletcher, M. Freitag, E. Gross, S. Gross, H. Harris, F. Klein, G. Michels; Associate Professors Emeriti: R. Snipp, D. Zebolsky;

Assistant Professors: M. Anderson, E. Haas, M. Miller, B. Parsons.

Department Description: The Chemistry Department at Creighton University is certified by the American Chemical Society (ACS) and offers four degree choices: an ACS-certified major with tracks in Chemistry or Biochemistry, a comprehensive (but not certified) major, and a major designed for students who are interested in teaching high school chemistry.

Web Contact/Information: Additional information about this department may be found at <http://chemistry.creighton.edu>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN CHEMISTRY

Specific Requirements for Admission to the Chemistry Major: Satisfactory completion of two lecture courses within the Creighton chemistry department and completion of MTH 246. Computer literacy is expected of students majoring in Chemistry. MTH 245 and MTH 246 and PHY 211 and PHY 212 are prerequisites for all courses beyond organic chemistry.

B.S., Major in Chemistry: 23-33 Credits*Generalist Track***(All of the following):**

| | | |
|---|----------------------------------|-----------|
| CHM 315 | Quantitative Analysis | 4 credits |
| -(waived for students who have completed CHM 285/6) | | |
| CHM 321 | Organic Chemistry I | 3 credits |
| CHM 322 | Organic Chemistry Laboratory I | 1 credit |
| CHM 323 | Organic Chemistry Lecture II | 3 credits |
| CHM 324 | Organic Chemistry Laboratory II | 1 credit |
| CHM 341 | Physical Chemistry I | 3 credits |
| CHM 342 | Physical Chemistry I Laboratory | 2 credits |
| CHM 456 | Instrumental Analysis | 3 credits |
| CHM 466 | Instrumental Analysis Laboratory | 2 credits |

(One of the following):

| | | |
|---------|------------------------------------|-----------|
| CHM 532 | Mathematical Concepts in Chemistry | 3 credits |
| MTH 545 | Differential Equations | 3 credits |

And

| | | |
|---------|----------------|-----------|
| MTH 529 | Linear Algebra | 3 credits |
|---------|----------------|-----------|

(Five additional credit hours, three of which must be chosen from the following list):

| | | |
|---------|---|-----------|
| CHM 381 | Fundamentals of Biochemistry | 3 credits |
| CHM 421 | Selected Topics in Organic Chemistry | 3 credits |
| CHM 445 | Chemical Thermodynamics | 2 credits |
| CHM 446 | Statistical Mechanics | 2 credits |
| CHM 447 | Physical Chemistry of Macromolecules | 2 credits |
| CHM 448 | Group Theory | 2 credits |
| CHM 451 | Inorganic Chemistry I | 3 credits |
| CHM 470 | Chemical Literature | 1 credit |
| CHM 502 | Inorganic Chemistry II | 3 credits |
| CHM 506 | Environmental Chemistry and Natural Resources | 3 credits |

| | | |
|---------|--|-----------|
| CHM 521 | Advanced Organic Chemistry: Synthetic Org. Methods | 3 credits |
| CHM 523 | Bioorganic Chemistry | 3 credits |
| CHM 525 | Organic Spectroscopic Analysis | 3 credits |
| CHM 527 | Polymer Chemistry | 3 credits |
| CHM 543 | Selected Topics in Physical Chemistry | 3 credits |
| CHM 544 | Quantum Chemistry | 2 credits |
| CHM 545 | Advanced Kinetics | 2 credits |
| CHM 556 | Electrochemical Methods | 3 credits |
| CHM 575 | Nucleic Acid Biochemistry | 3 credits |
| CHM 576 | Protein Biochemistry | 3 credits |

(The remaining two credit hours must be chosen from the following list:)

| | | |
|---------|---------------------------------------|-----------|
| CHM 351 | Descriptive Inorganic Chemistry | 2 credits |
| CHM 382 | Biochemistry Laboratory | 2 credits |
| CHM 528 | Polymer Chemistry Laboratory | 1 credit |
| CHM 548 | Chemical Applications of Spectroscopy | 2 credits |
| CHM 549 | Computational Chemistry | 2 credits |

Chemistry Education Track**(All of the following:)**

| | | |
|---------|---|-----------|
| CHM 315 | Quantitative Analysis | |
| | -(waived for students who have completed CHM 285/6) | 4 credits |
| CHM 321 | Organic Chemistry I | 3 credits |
| CHM 322 | Organic Chemistry Laboratory I | 1 credit |
| CHM 323 | Organic Chemistry Lecture II | 3 credits |
| CHM 324 | Organic Chemistry Laboratory II | 1 credit |
| CHM 341 | Physical Chemistry I | 3 credits |
| CHM 342 | Physical Chemistry I Laboratory | 2 credits |
| CHM 381 | Fundamentals of Biochemistry | 3 credits |

(One of the following:)

| | | |
|---------|------------------------------------|-----------|
| CHM 532 | Mathematical Concepts in Chemistry | 3 credits |
| MTH 545 | Differential Equations | 3 credits |

And

| | | |
|---------|----------------|-----------|
| MTH 529 | Linear Algebra | 3 credits |
|---------|----------------|-----------|

Requisite courses: MTH 245 and MTH 246 are prerequisites for all chemistry courses beyond CHM 324. PHY 211 is a prerequisite and PHY 212 is a pre- or co-requisite for CHM 341. For students pursuing the Chemistry Education Track, BIO 211, ATS/EVS 113 and 114 or ATS/EVS 443 are required and students must complete the requirements for a secondary teaching endorsement. Please consult the Education Department for the most recent list of required courses.

B.S. Chm., Major in Chemistry (Professional Degree): 38-42 Credits**Chemistry Track***Course Requirements***(All of the following:)**

| | | |
|---------|---|-----------|
| CHM 315 | Quantitative Analysis | 4 credits |
| | -(waived for students who have completed CHM 285/6) | |
| CHM 321 | Organic Chemistry I | 3 credits |
| CHM 322 | Organic Chemistry Laboratory I | 1 credit |
| CHM 323 | Organic Chemistry Lecture II | 3 credits |
| CHM 324 | Organic Chemistry Laboratory II | 1 credit |
| CHM 341 | Physical Chemistry I | 3 credits |
| CHM 342 | Physical Chemistry I Laboratory | 2 credits |
| CHM 381 | Fundamentals of Biochemistry | 3 credits |
| CHM 451 | Inorganic Chemistry I | 3 credits |
| CHM 456 | Instrumental Analysis | 3 credits |
| CHM 466 | Instrumental Analysis Laboratory | 2 credits |
| CHM 497 | Directed Independent Research II | 1 credit |

(One of the following:)

| | | |
|---------|---------------------------------------|-------------|
| CHM 496 | Directed Independent Research I | 2 credits |
| CHM 498 | Directed Independent Research-Special | 1-2 credits |

(One of the following:)

| | | |
|---------|------------------------------------|-----------|
| CHM 532 | Mathematical Concepts in Chemistry | 3 credits |
| MTH 545 | Differential Equations | 3 credits |

And

| | | |
|---------|----------------|-----------|
| MTH 529 | Linear Algebra | 3 credits |
|---------|----------------|-----------|

Two additional courses, one of which must be a laboratory-based course as follows:

(One of the courses must be taken from the following:)

| | | |
|---------|---------------------------------------|-----------|
| CHM 445 | Chemical Thermodynamics | 2 credits |
| CHM 446 | Statistical Mechanics | 2 credits |
| CHM 447 | Physical Chemistry of Macromolecules | 2 credits |
| CHM 448 | Group Theory | 2 credits |
| CHM 543 | Selected Topics in Physical Chemistry | 3 credits |
| CHM 544 | Quantum Chemistry | 2 credits |
| CHM 545 | Advanced Kinetics | 2 credits |
| CHM 548 | Chemical Applications of Spectroscopy | 2 credits |
| CHM 549 | Computational Chemistry | 2 credits |

(The second course may be chosen from the list above or from the following:)

| | | |
|---------|--|-----------|
| CHM 351 | Descriptive Inorganic Chemistry | 2 credits |
| CHM 382 | Biochemistry Laboratory | 2 credits |
| CHM 421 | Selected Topics in Organic Chemistry | 3 credits |
| CHM 502 | Inorganic Chemistry II | 3 credits |
| CHM 521 | Advanced Organic Chem: Synthetic Organic Methods | 3 credits |
| CHM 523 | Bioorganic Chemistry | 3 credits |
| CHM 525 | Organic Spectroscopic Analysis | 3 credits |
| CHM 527 | Polymer Chemistry | 3 credits |
| CHM 528 | Polymer Chemistry Laboratory | 1 credit |
| CHM 556 | Electrochemical Methods | 3 credits |
| CHM 575 | Nucleic Acid Biochemistry | 3 credits |
| CHM 576 | Protein Biochemistry | 3 credits |

*Biochemistry Track**Course Requirements***(All of the following):**

| | | |
|---|----------------------------------|-----------|
| CHM 315 | Quantitative Analysis | 4 credits |
| -(waived for students who have completed CHM 285/6) | | |
| CHM 321 | Organic Chemistry I | 3 credits |
| CHM 322 | Organic Chemistry Laboratory I | 1 credit |
| CHM 323 | Organic Chemistry Lecture II | 3 credits |
| CHM 324 | Organic Chemistry Laboratory II | 1 credit |
| CHM 341 | Physical Chemistry I | 3 credits |
| CHM 342 | Physical Chemistry I Laboratory | 2 credits |
| CHM 381 | Fundamentals of Biochemistry | 3 credits |
| CHM 382 | Biochemistry Laboratory | 2 credits |
| CHM 451 | Inorganic Chemistry I | 3 credits |
| CHM 456 | Instrumental Analysis | 3 credits |
| CHM 466 | Instrumental Analysis Laboratory | 2 credits |
| CHM 497 | Directed Independent Research II | 1 credit |

(One of the following):

| | | |
|---------|---------------------------------------|-------------|
| CHM 496 | Directed Independent Research I | 2 credits |
| CHM 498 | Directed Independent Research-Special | 1-2 credits |

(One of the following):

| | | |
|---------|------------------------------------|-----------|
| CHM 532 | Mathematical Concepts in Chemistry | 3 credits |
| MTH 545 | Differential Equations | 3 credits |

And

| | | |
|---------|----------------|-----------|
| MTH 529 | Linear Algebra | 3 credits |
|---------|----------------|-----------|

(One of the following):

| | | |
|---------|--|-----------|
| CHM 521 | Advanced Organic Chemistry: Synthetic Org. Methods | 3 credits |
| CHM 523 | Bioorganic Chemistry | 3 credits |
| CHM 525 | Organic Spectroscopic Analysis | 3 credits |
| CHM 575 | Nucleic Acid Biochemistry | 3 credits |
| CHM 576 | Protein Biochemistry | 3 credits |

(One of the following):

| | | |
|---------|-------------------------------------|-----------|
| BIO 317 | Genetics | 3 credits |
| BIO 362 | Cell Structure and Function | 3 credits |
| BIO 417 | Molecular Biology | 3 credits |
| BIO 532 | Cell Biology: Regulatory Mechanisms | 3 credits |

Requisite courses: MTH 245 and MTH 246 are prerequisites for all chemistry courses beyond CHM 324. PHY 211 is a prerequisite and PHY 212 is a pre- or co-requisite for CHM 341. BIO 211 and BIO 212 are prerequisites for the advanced biology courses.

Teacher Certification

Students who think they may teach Chemistry in secondary schools must consult with the Education Department, with the Chemistry Department and with the appropriate agency in the state in which they intend to teach.

Certificate Programs in University College

This department does not offer a certificate program to students in University College.

For all CHM courses, please refer to page 321.

CLASSICAL AND NEAR EASTERN STUDIES

Department Office: Humanities Center, Room 216

Professors: L. Greenspoon, R. Simkins (secondary appointment), W. Stephens;
Associate Professors: C. Clark, G. Bucher, M. Habash, J. Hause.

Department Description: The Department of Classical and Near Eastern Studies develops diverse perspectives and understandings through the study of ancient languages (Greek, Latin, Arabic, and Hebrew), literatures, and cultures. This study yields analytical, critical and creative insights as students encounter and respond to written works and material culture of Greece, Rome, and the Near East.

Web Contact/Information: Additional information about this department may be found at <http://canes.creighton.edu>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN CLASSICAL AND NEAR EASTERN CIVILIZATIONS

Specific Requirements for Admission to Classical Languages Major: Satisfactory completion of the 101-102-201 sequence (or equivalent) in the track-language.

B. A., Major in Classical Languages: 27 Credits*Greek Track***(All of the following):**

| | | |
|---------|---|-----------|
| GRK 300 | Introduction to the Ancient Mediterranean World | 3 credits |
| GRK 303 | Greek Prose Composition | 3 credits |
| GRK 498 | Senior Capstone Seminar | 3 credits |

(Nine credits from the following):*

| | | |
|---------|--|-------------|
| GRK 301 | Readings in Greek | 3 credits |
| GRK 400 | Archaic Greek Authors | 3 credits |
| GRK 401 | Archaic Greek Themes and Genres | 3 credits |
| GRK 402 | Classical Greek Authors | 3 credits |
| GRK 403 | Classical Greek Themes and Genres | 3 credits |
| GRK 404 | Post-classical Greek Authors | 3 credits |
| GRK 405 | Post-classical Greek Themes and Genres | 3 credits |
| GRK 406 | Late/koine Greek Authors | 3 credits |
| GRK 407 | Late/koine Greek Themes and Genres | 3 credits |
| GRK 408 | Byzantine Greek Authors | 3 credits |
| GRK 409 | Byzantine Greek Themes and Genres | 3 credits |
| GRK 410 | Diachronic Readings in Greek | 3 credits |
| GRK 411 | Readings in Greek and Latin | 3 credits |
| GRK 493 | Directed Independent Readings | 2-4 credits |

(Nine credits from the following):

| | | |
|---------|--|-----------|
| LAT 101 | Beginning Latin I | 3 credits |
| LAT 102 | Beginning Latin II | 3 credits |
| LAT 115 | Intensive Beginning Latin | 6 credits |
| LAT 201 | Intermediate Latin | 3 credits |
| LAT 301 | Readings in Latin | 3 credits |
| LAT 303 | Latin Prose Composition | 3 credits |
| LAT 400 | Archaic Latin Authors | 3 credits |
| LAT 401 | Archaic Latin Themes and Genres | 3 credits |
| LAT 402 | Classical Latin Authors | 3 credits |
| LAT 403 | Classical Latin Themes and Genres | 3 credits |
| LAT 404 | Augustan Latin Authors | 3 credits |
| LAT 405 | Augustan Latin Themes and Genres | 3 credits |
| LAT 406 | Post-Augustan/late Latin Authors | 3 credits |
| LAT 407 | Post-Augustan/late Latin Themes and Genres | 3 credits |
| LAT 408 | Medieval Latin Authors | 3 credits |

| | | |
|---------|----------------------------------|-------------|
| LAT 409 | Medieval Latin Themes and Genres | 3 credits |
| LAT 410 | Diachronic Readings in Latin | 3 credits |
| LAT 411 | Readings in Greek and Latin | 3 credits |
| LAT 493 | Directed Independent Readings | 2-4 credits |

*Three different courses must be used. LAT 115 counts as two different courses. Repeating these courses will not fulfill the requirement.

Note: Students pursuing the Greek Track may not minor in Latin.

Latin Track

(All of the following:)

| | | |
|---------|---|-----------|
| LAT 300 | Introduction to the Ancient Mediterranean World | 3 credits |
| LAT 303 | Latin Prose Composition | 3 credits |
| LAT 498 | Senior Seminar | 3 credits |

(Nine credits from the following:)*

| | | |
|---------|--|-------------|
| LAT 301 | Readings in Latin | 3 credits |
| LAT 400 | Archaic Latin Authors | 3 credits |
| LAT 401 | Archaic Latin Themes and Genres | 3 credits |
| LAT 402 | Classical Latin Authors | 3 credits |
| LAT 403 | Classical Latin Themes and Genres | 3 credits |
| LAT 404 | Augustan Latin Authors | 3 credits |
| LAT 405 | Augustan Latin Themes and Genres | 3 credits |
| LAT 406 | Post-Augustan/late Latin Authors | 3 credits |
| LAT 407 | Post-Augustan/late Latin Themes and Genres | 3 credits |
| LAT 408 | Medieval Latin Authors | 3 credits |
| LAT 409 | Medieval Latin Themes and Genres | 3 credits |
| LAT 410 | Diachronic Readings in Latin | 3 credits |
| LAT 411 | Readings in Greek and Latin | 3 credits |
| LAT 493 | Directed Independent Readings | 2-4 credits |

(Nine credits from the following:)

| | | |
|---------|--|-------------|
| GRK 101 | Beginning Greek I | 3 credits |
| GRK 102 | Beginning Greek II | 3 credits |
| GRK 115 | Intensive Beginning Greek | 6 credits |
| GRK 201 | Intermediate Greek | 3 credits |
| GRK 301 | Readings in Greek | 3 credits |
| GRK 303 | Greek Prose Composition | 3 credits |
| GRK 400 | Archaic Greek Authors | 3 credits |
| GRK 401 | Archaic Greek Themes and Genres | 3 credits |
| GRK 402 | Classical Greek Authors | 3 credits |
| GRK 403 | Classical Greek Themes and Genres | 3 credits |
| GRK 404 | Post-classical Greek Authors | 3 credits |
| GRK 405 | Post-classical Greek Themes and Genres | 3 credits |
| GRK 406 | Late/koine Greek Authors | 3 credits |
| GRK 407 | Late/koine Greek Themes and Genres | 3 credits |
| GRK 408 | Byzantine Greek Authors | 3 credits |
| GRK 409 | Byzantine Greek Themes and Genres | 3 credits |
| GRK 410 | Diachronic readings in Greek | 3 credits |
| GRK 411 | Readings in Greek and Latin | 3 credits |
| GRK 493 | Directed Independent Readings | 2-4 credits |

*Three different courses must be used. GRK 115 counts as two different courses. Repeating these courses will not fulfill the requirement.

Note: Students pursuing the Latin Track may not minor in Ancient Greek.

B.A., Major in Classical and Near Eastern Civilizations: 30 Credits

(All of the following:)

| | | |
|---------|---|-----------|
| CNE 300 | Introduction to the Ancient Mediterranean World | 3 credits |
| CNE 498 | Senior Capstone Seminar | 3 credits |

Three credits from each of the following four areas*:

Literature

| | | |
|---------|---|-----------|
| CNE 311 | Classical Mythology | 3 credits |
| CNE 313 | The Hero in Antiquity | 3 credits |
| CNE 321 | Epic Literature | 3 credits |
| CNE 323 | Classical Greek Drama | 3 credits |
| CNE 381 | Ancient Medicine | 3 credits |
| CNE 423 | Greek and Roman Comedy | 3 credits |
| CNE 425 | Myths That We Live By | 3 credits |
| CNE 440 | Selected Topics in Classical Literature | 3 credits |
| CNE 462 | Homer, Troy and the Trojan War | 3 credits |
| CNE 520 | The Dead Sea Scrolls | 3 credits |
| CNE 529 | Translations of the Bible | 3 credits |

History

| | | |
|---------|---|-----------|
| CNE 316 | Women in Ancient Greece and Hellenistic Egypt | 3 credits |
| CNE 317 | Women in Ancient Rome and Roman Egypt | 3 credits |
| CNE 348 | Muhammad and the Rise of Islam | 3 credits |
| CNE 351 | Warfare in the Classical World | 3 credits |
| CNE 358 | An Introduction to Roman Law | 3 credits |
| CNE 401 | Greek History to the Peloponnesian War | 3 credits |
| CNE 402 | Hellenistic History | 3 credits |
| CNE 403 | The Roman Republic | 3 credits |
| CNE 404 | The Roman Empire | 3 credits |
| CNE 418 | Great Empires of the Near East | 3 credits |
| CNE 419 | Ancient Egypt: History, Society and Culture | 3 credits |
| CNE 420 | Selected Topics in Ancient History | 3 credits |
| CNE 524 | History of Ancient Israel | 3 credits |



Philosophy/Religion

| | | |
|---------|---------------------------------------|-----------|
| CNE 315 | Religions in the Greco-Roman World | 3 credits |
| CNE 360 | History of Mediaeval Ethics | 3 credits |
| CNE 370 | History of Classical Greek Philosophy | 3 credits |
| CNE 371 | History of Hellenistic Philosophy | 3 credits |
| CNE 372 | History of Medieval Philosophy | 3 credits |
| CNE 410 | Stoicism | 3 credits |
| CNE 460 | Selected Topics in Ancient Philosophy | 3 credits |
| CNE 520 | The Dead Sea Scrolls | 3 credits |
| CNE 523 | Israelite Religions | 3 credits |

Art/Archaeology

| | | |
|---------|--|-----------|
| CNE 349 | Egyptian Art and Archaeology | 3 credits |
| CNE 350 | Archaeology of Syria-Palestine | 3 credits |
| CNE 354 | Greek Art and Archaeology (campus) | 3 credits |
| CNE 355 | Greek Art and Archaeology (travel) | 3 credits |
| CNE 357 | Ancient Near Eastern Art and Archaeology | 3 credits |
| CNE 362 | Early Christian Art and Archaeology | 3 credits |
| CNE 365 | Greek Art | 3 credits |
| CNE 366 | Etruscan and Roman Art | 3 credits |
| CNE 369 | Medieval Art and Architecture | 3 credits |
| CNE 430 | Selected Topics in Ancient Art and Archaeology | 3 credits |
| CNE 461 | The City of Rome in Antiquity | 3 credits |
| CNE 465 | The City of Rome since Antiquity | 3 credits |
| CNE 525 | Archaeological Fieldwork and Analysis | 3 credits |
| CNE 526 | Archaeology of Roman Palestine | 3 credits |

An additional 12 upper-division credits chosen with the major advisor. 12 credits

*Or one or more upper-division courses chosen with the approval of the major advisor.

With the consent of the Chair, as many as 3 related courses from other departments may be accepted toward this major.

The student must complete 3 semesters of one of the ancient languages, or demonstrate equivalent ability.

ANCIENT GREEK MINOR

Program Description: Students will study intermediate and advanced ancient Greek, along with elective courses from another ancient language or Classical and Near Eastern Studies offerings in translation.

Contact: Chair, Department of Classical and Near Eastern Studies

(Twelve credits from the following:)

| | | |
|---------|--|-------------|
| GRK 201 | Intermediate Greek | 3 credits |
| GRK 301 | Readings in Greek | 3 credits |
| GRK 303 | Greek Prose Composition | 3 credits |
| GRK 400 | Archaic Greek Authors | 3 credits |
| GRK 401 | Archaic Greek Themes and Genres | 3 credits |
| GRK 402 | Classical Greek Authors | 3 credits |
| GRK 403 | Classical Greek Themes and Genres | 3 credits |
| GRK 404 | Post-classical Greek Authors | 3 credits |
| GRK 405 | Post-classical Greek Themes and Genres | 3 credits |
| GRK 406 | Late/koine Greek Authors | 3 credits |
| GRK 407 | Late/koine Greek Themes and Genres | 3 credits |
| GRK 408 | Byzantine Greek Authors | 3 credits |
| GRK 409 | Byzantine Greek Themes and Genres | 3 credits |
| GRK 410 | Diachronic Readings in Greek | 3 credits |
| GRK 411 | Readings in Greek and Latin | 3 credits |
| GRK 493 | Directed Independent Readings* | 2-4 credits |

Six additional credits chosen from the list above or CNE courses numbered

300 or above, or six credits from Arabic, Hebrew or Latin courses. 6 credits

*No more than six credits in Directed Independent Readings will count toward the minor.

ANCIENT HISTORY MINOR

Program Description: Students will study a broad range of history of the Near Eastern, Greek, and Roman worlds, with exposure to literary, epigraphic, and material remains. Attention will be given to political and social institutions and cultural forms, as well as the dynamic changes in these societies and the interrelationships between them.

Contact: Chair, Department of Classical and Near Eastern Studies

(Four of the following:)

| | | |
|---------|---|-----------|
| CNE 401 | Greek History to the Peloponnesian War | 3 credits |
| CNE 402 | Hellenistic History | 3 credits |
| CNE 403 | The Roman Republic | 3 credits |
| CNE 404 | The Roman Empire | 3 credits |
| CNE 418 | Great Empires of the Near East | 3 credits |
| CNE 419 | Ancient Egypt: History, Society and Culture | 3 credits |

(Two additional courses chosen from the list below and the courses not taken above:)

| | | |
|---------|--|-----------|
| CNE 316 | Women in Ancient Greece and Hellenistic Egypt | 3 credits |
| CNE 317 | Women in Ancient Rome and Roman Egypt | 3 credits |
| CNE 348 | Muhammad and the Rise of Islam | 3 credits |
| CNE 349 | Egyptian Art and Archaeology | 3 credits |
| CNE 350 | Archaeology of Syria-Palestine | 3 credits |
| CNE 351 | Warfare in the Classical World | 3 credits |
| CNE 354 | Greek Art and Archaeology | 3 credits |
| CNE 357 | Ancient Near Eastern Art and Archaeology | 3 credits |
| CNE 358 | An Introduction to Roman Law | 3 credits |
| CNE 362 | Early Christian Art and Archaeology | 3 credits |
| CNE 420 | Selected Topics in Ancient History | 3 credits |
| CNE 430 | Selected Topics in Ancient Art and Archaeology | 3 credits |
| CNE 461 | The City of Rome in Antiquity | 3 credits |
| CNE 524 | History of Ancient Israel | 3 credits |
| CNE 526 | Archaeology of Roman Palestine | 3 credits |

CLASSICAL AND NEAR EASTERN CIVILIZATIONS MINOR

Program Description: The Classical and Near Eastern Civilizations minor offers a broad range of courses in the literary, religious, philosophical, political, and material culture of the Near Eastern, Greek, and Roman worlds. Students will study the institutions of these cultural forms, as well as the dynamic changes in these institutions and the interrelationships between them.

Contact: Chair, Department of Classical and Near Eastern Studies

(All of the following:)

Eighteen credits of 300-, 400- or 500-level CNE courses. 18 credits

LATIN MINOR

Program Description: Students will study intermediate and advanced ancient Latin, along with elective courses from another ancient language or Classical and Near Eastern Studies offerings in translation.

Contact: Chair, Department of Classical and Near Eastern Studies

(Twelve credits from the following:)

| | | |
|---------|--|-------------|
| LAT 201 | Intermediate Latin | 3 credits |
| LAT 301 | Readings in Latin | 3 credits |
| LAT 303 | Latin Prose Composition | 3 credits |
| LAT 400 | Archaic Latin Authors | 3 credits |
| LAT 401 | Archaic Latin Themes and Genres | 3 credits |
| LAT 402 | Classical Latin Authors | 3 credits |
| LAT 403 | Classical Latin Themes and Genres | 3 credits |
| LAT 404 | Augustan Latin Authors | 3 credits |
| LAT 405 | Augustan Latin Themes and Genres | 3 credits |
| LAT 406 | Post-Augustan/late Latin Authors | 3 credits |
| LAT 407 | Post-Augustan/late Latin Themes and Genres | 3 credits |
| LAT 408 | Medieval Latin Authors | 3 credits |
| LAT 409 | Medieval Latin Themes and Genres | 3 credits |
| LAT 410 | Diachronic Readings in Latin | 3 credits |
| LAT 411 | Readings in Greek and Latin | 3 credits |
| LAT 493 | Directed Independent Readings* | 2-4 credits |

Six additional credits chosen from the list above or in CNE courses numbered 300 or above, or in any Arabic, Hebrew or Greek courses. 6 credits

* No more than six hours in LAT 493 will be accepted toward the minor.

Certificate Programs in University College

This department does not offer a certificate program to students in University College.

For all ARA courses please refer to page 299; for CNE courses, page 327; For GRK courses, page 377; For HEB courses, page 381; For all LAT courses, page 405.

COMPUTER SCIENCE, See Department of Journalism, Media and Computing, page 160.

COMMUNICATION STUDIES

Chair: Erika Kirby

Department Office: Hitchcock Communication Arts Building, Room 307

Professors: M. Danielson, E. Kirby;

Associate Professors: M. Birkholt, M. C. McBride, D. Pawlowski, S. Shuler;

Assistant Professors: K. Hatfield, J. Leighter, S. Senda-Cook.

Department Description: As a discipline, Communication Studies seeks to further communication competencies through theoretical grounding and practical applications of that knowledge. Communication is examined in a variety of contexts, including interpersonal relationships, families, small groups, organizations, media and popular culture, between cultures and in the public sphere. Communication is examined through many perspectives, including quantitative, qualitative, and rhetorical studies.

Web Contact/Information: Additional information about this department may be found at <http://www.creighton.edu/CommunicationStudies>. However, for definitive details, students are strongly encouraged to check University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN COMMUNICATION STUDIES

Specific Requirements for Admission to the Communication Studies Major: COM 152 and overall GPA of 2.25.

B.A., Major in Communication Studies: 36 Credits**(All of the following:)**

| | | |
|---------|--|-----------|
| COM 200 | Communication Practices | 3 credits |
| COM 300 | Communication Research Methods | 3 credits |
| COM 359 | Rhetoric and Public Culture | 3 credits |
| COM 360 | Organizational Communication | 3 credits |
| COM 361 | Interpersonal Communication | 3 credits |
| COM 490 | Communication and Community | 3 credits |
| COM 496 | Communication Internship & Professional Develop. | 3 credits |
| COM 497 | Senior Research in Communication Studies | 3 credits |

Twelve (12) elective hours in COM courses numbered 300-level and above. 12 credits

COMMUNICATION STUDIES MINOR

Program Description: The minor in Communication Studies provides students an opportunity to develop communication competencies, at both theoretical and applied levels. Communication is examined through a variety of contexts, including in interpersonal relationships, organizations, and public culture. The minor is designed to allow students to explore Communication Studies by providing structure and flexibility to give them a way to supplement their major/career goals.

Contact: Chair, Department of Communication Studies

(All of the following:)

| | | |
|---------|------------------------------|-----------|
| COM 359 | Rhetoric and Public Culture | 3 credits |
| COM 360 | Organizational Communication | 3 credits |
| COM 361 | Interpersonal Communication | 3 credits |

Nine (9) additional credits in COM courses numbered 200 and above. 9 credits

Only six credits of forensics courses (COM 201, 301, 401, 501) may count toward this minor.

Certificate Programs in University College

This department offers a Communication Studies certificate program to students in University College. See the description for this certificate on page 277 in the University College section of the Bulletin.

For all COM courses, please refer to page 331.

ECONOMICS

Chair: John Wingender

Department Office: Eppley College of Business Administration 450

Professors: Goss, Murthy and Wingender; Emeritus: Nitsch;
Assistant Professors: Briggs, Deskins and Knudsen;

Department Description: The Department of Economics, supervised by the Department of Economics and Finance in the College of Business, provides a program of study for students in the College of Arts and Sciences who wish to obtain the degree of Bachelor of Arts with economics as the field of concentration. This program is designed to acquaint the student with the tools and techniques of economic analysis and the contribution of economic analysis to decision-making in the business firm and to society. The program is designed to prepare those interested in careers as economists or economic analysts in business, government, and non-government organizations and for graduate study in economics. Alternatively, students can receive the degree of Bachelor of Science in Business Administration with Economics as the field of concentration. Please refer to the department's listing under the College of Business for further information about this degree.

Web Contact/Information: Additional information about this department may be found at <http://www.creighton.edu/business/undergraduate/majors/economics/index.php>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN ECONOMICS

Specific Requirements for Admission to the Economics Major: None.

B.A., Major in Economics (Arts and Sciences students): 34 Credits

Course Requirements

| | | |
|---|----------------------------------|------------|
| BUS 229 | Statistical Analysis | 4 credits |
| ECO 203 | Introductory Microeconomics | 3 credits |
| ECO 205 | Introductory Macroeconomics | 3 credits |
| ECO 303 | Intermediate Microeconomics | 3 credits |
| ECO 305 | Intermediate Macroeconomics | 3 credits |
| ECO 508 | Development of Political Economy | 3 credits |
| Fifteen hours of upper division courses in economics. | | 15 credits |

Economics 203 and 205 should be taken before their junior year. Economics 303 and 305 should be taken in their junior year.

ECONOMICS MINOR

Program Description: The Economics minor offers the student the opportunity to achieve a basic understanding of the economical fundamentals at work in actions by individuals, firms, and governments. Students will examine resource allocation, income distribution, production, employment, and prices in a market economy.

Contact: Chair, Department of Economics and Finance

(All of the following:)

| | | |
|---|-----------------------------|-----------|
| ECO 203 | Introductory Microeconomics | 3 credits |
| ECO 205 | Introductory Macroeconomics | 3 credits |
| ECO 303 | Intermediate Microeconomics | 3 credits |
| ECO 305 | Intermediate Macroeconomics | 3 credits |
| Six credits of 300 and above ECO courses. | | 6 credits |

For all ECO courses, please refer to page 342.

EDUCATION AND COUNSELOR EDUCATION

Chair: Debra L. Ponec

Associate Chair: Thomas A. Simonds, S.J.

Director of Secondary Education: Lynne E. Houtz

Director of Elementary Education: Lynn E. Olson

Director of Counselor Education: Timothy Dickel

Director of Educational Leadership: Barbara Brock

Coordinator of Special Education: Beverly Doyle

Department Office: Hitchcock Center for Communication Arts, Room 106

Professors: B. Brock, T. Cook, T. Dickel, L. Houtz; Professor Emeritus: E. O'Connor;
Associate Professors: B. Doyle, S. Ishii-Jordan, D. Ponec, J. Smith;
Assistant Professors: P. Durow, L. Olson, T. Simonds, S.J.

Department Description: The Education Department develops "Effective Leaders in the Jesuit Tradition" who will work toward the optimal learning of every student. The programs integrate Jesuit charisms, technology, cultural issues, and authentic assessments. There are two undergraduate programs: elementary education (major) and secondary education (co-major); four graduate programs: M.Ed. (majors: elementary, secondary); M.S. in educational leadership (elementary or secondary), school counseling (elementary or secondary), and special populations; and undergraduate/graduate endorsements in ESL and special education. Students in the Magis Catholic Teacher Corps are enrolled in one of the graduate programs. Many courses include field experience at an elementary or secondary school, and students must arrange their own transportation. Prior to any education program coursework or field experience, the student must sign and have notarized two affidavits assuring that a) the student does not have a felony or misdemeanor conviction involving abuse, neglect, or sexual misconduct and b) the student is in sound mental capacity. The student must maintain this status throughout the program. Prior to the first field experience and again prior to student teaching, the student must have a satisfactory background check through the Education Department.

The Department of Education is accredited by the National Council for Accreditation of Teacher Education (NCATE) and approved by the State of Nebraska.

Web Contact/Information: Additional information about this department may be found at <http://www.creighton.edu/ccas/education>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN EDUCATION FOR THE UNDERGRADUATE

Specific Requirements for Admission to Education Programs: Students will be allowed to register for 300 level and above courses only after receiving formal admission to the Education Department. In order to be considered for admission, students must obtain and maintain a minimum GPA of 2.5, achieve acceptable scores on the Pre-Professional Skills Test (PPST), receive acceptable grades in EDU 103, EDU 208, and EDU 210, and complete department application procedures, including letters of recommendation and a satisfactory background check through the Education Department. In addition, an interview, and portfolio review may be requested by the Selection and Retention Committee.

B. S., Major in Elementary Education (P-6): 50-61 Credits*Course Requirements***(All of the following:)**

| | | |
|----------|--|--------------|
| EDU 103 | American Education and the Interactive Process | 3 credits |
| EDU 208 | Understanding & Serving Diverse Populations in Education | 3 credits |
| EDU 209 | Physical Education in the Elementary School | 3 credits |
| EDU 210 | Child and Adolescent Development | 3 credits |
| EDU 242 | Computer Related Technologies in Teacher Education | 1 credit |
| ART 104 | Elementary School Art | 3 credits |
| MUS 104 | Elementary School Music | 3 credits |
| EDU 500 | Remedial Reading | 3 credits |
| EDU 565 | Methods of Teaching Language Arts in Elem. School | 3 credits |
| EDU 566 | Methods of Teaching of Elementary Reading | 3 credits |
| EDU 567 | Methods of Teaching Social Studies in Elem. School | 3 credits |
| EDU 568 | Methods of Teaching Mathematics in Elem. School | 3 credits |
| EDU 569 | Methods of Teaching Science in Elementary School | 3 credits |
| EDU 525 | Procedures for Including Students with Mild/Moderate Disabilities in the Regular Classroom | 3 credits |
| EDU 583 | Management Practices for Classroom Teachers | 3 credits |
| EDU 591* | Student Teaching | 3-14 credits |
| EDU 593* | Student Teaching Seminar | 1 credit |
| EDU 131 | Literature for Children | 3 credits |

Or

| | | |
|---------|---|-----------|
| EDU 587 | Methods of Teaching Religion in Elementary School | 3 credits |
|---------|---|-----------|

* See Student Teaching on page 126.

In order to obtain Nebraska Certification in Elementary Education, a student must complete a minimum of 30 credit hours in the following content areas, with at least six credits in each area:

Communication, including literature, composition and speech
 Mathematics
 Science
 Social Science

By completing the Creighton Core Curriculum, the requirements for the Elementary Education major, and one additional mathematics course, a student will have met all of those requirements.

**Special Education for Students with Mild/Moderate Disabilities
P-6 Specialization: 21-32 Credits**

Students who are completing the Elementary Education major may also prepare to teach students with mild/moderate disabilities. In addition to Elementary Education requirements, students may specialize in this area by completing the following sequence:

(All of the following:)

| | | |
|----------|--|--------------|
| EDU 501 | Psychology of Exceptional Children | 3 credits |
| EDU 515 | An Introduction to Special Education: Field Experience | 3 credits |
| EDU 526 | Multicategorical Methods for the Mildly Handicapped | 3 credits |
| EDU 527 | Diagnostic/ Prescriptive Teaching of the Mildly and Moderately Handicapped Child | 3 credits |
| EDU 528 | Speech and Language Develop. for the Exceptional Child | 3 credits |
| EDU 529 | Seminar in Consultation and Collaboration Strategies | 3 credits |
| EDU 530* | Elementary School Observation and Student Teaching the Mildly/Moderately Handicapped | 3-14 credits |

* See Student Teaching on page 126.

**English as a Second Language (P-12) Teaching Endorsement
Specialization: 15 Credits**

Students who are enrolled in the elementary or secondary teaching certification programs, or already possess the elementary or secondary teaching certificates may add a teaching endorsement in English as a Second Language (ESL) by completing the following sequence:

(All of the following:)

| | | |
|---------|--|-----------|
| EDU 541 | Curriculum Design for English as a Second Language | 3 credits |
| EDU 542 | Methods in English Language Learning | 3 credits |
| EDU 543 | Practicum in English Language Learning | 3 credits |
| EDU 544 | Framework of World Languages and Cultures | 3 credits |
| ENG 421 | History of the English Language | 3 credits |

Students must also present evidence of competence in a foreign language equivalent to two years of a high school level or two semesters of a college level foreign language.

Co-Major: Secondary School Teaching Endorsement (7-12): 29-40 Credits

Students planning to teach in a middle, junior, or senior high school must complete a major in an approved academic subject and a co-major in secondary education. An academic subject of at least 30 credits is required for Nebraska certification. The subjects available are Biology, Chemistry, English, French, History, Journalism, Latin, Physics, Religious Education, and Spanish.

The department also provides field endorsements in Art, Language Arts, Mathematics, Natural Science, and Social Science.

*Course Requirements***(All of the following:)**

| | | |
|----------|--|--------------|
| EDU 103 | American Education and the Interactive Process | 3 credits |
| EDU 208 | Understanding & Serving Diverse Populations in Education (concurrent with EDU 210) | 3 credits |
| EDU 210 | Child and Adolescent Development | 3 credits |
| EDU 341 | General Methods in Secondary Teaching | 3 credits |
| EDU 342 | Technology Laboratory in Secondary Education | 1 credit |
| EDU 525 | Procedures for Including Students with Mild/Moderate Disabilities in the Regular Classroom | 3 credits |
| EDU 548 | Teaching Reading in Middle and Secondary Schools | 3 credits |
| EDU 575 | Action Research in Your Content Area | 3 credits |
| EDU 583 | Management Practices for Classroom Teachers | 3 credits |
| EDU 591* | Student Teaching | 3-14 credits |
| EDU 593* | Student Teaching Seminar | 1 credit |

* See Student Teaching on page 126.

Special Education for Students with the Mild/Moderate Disabilities 7-12 Specialization: 24-35 Credits

This program is fully accredited by the National Council for Accreditation of Teacher Education (NCATE) and incorporates the standards of the Council for Exceptional Children (CEC).

Students who are completing the Secondary School Teaching Endorsement (7-12) may also prepare to teach students with mild/moderate disabilities. In addition to Secondary Education co-major and content major requirements, students may specialize in this area by completing the following sequence:

(All of the following:)

| | | |
|----------|---|--------------|
| EDU 500 | Remedial Reading | 3 credits |
| EDU 501 | Psychology of Exceptional Children | 3 credits |
| EDU 515 | An Introduction to Special Education: Field Experience | 3 credits |
| EDU 526 | Multicultural Methods for the Mildly Handicapped | 3 credits |
| EDU 527 | Diagnostic and Prescriptive Teaching of the Mildly and Moderately Handicapped Child | 3 credits |
| EDU 528 | Speech and Language Development of the Exceptional Child | 3 credits |
| EDU 529 | Seminar in Consultation and Collaboration Strategies | 3 credits |
| EDU 540* | Secondary School Observation and Student Teaching the Mildly/Moderately Disabled | 3-14 credits |

* See Student Teaching below.

English as a Second Language (P-12) Teaching Endorsement Specialization: 15 Credits

Students who are enrolled in the elementary or secondary teaching certification programs, or already possess the elementary or secondary teaching certificates may add a teaching endorsement in English as a Second Language (ESL) by completing the following sequence:

(All of the following:)

| | | |
|---------|--|-----------|
| EDU 541 | Curriculum Design for English as a Second Language | 3 credits |
| EDU 542 | Methods in English Language Learning | 3 credits |
| EDU 543 | Practicum in English Language Learning | 3 credits |
| EDU 544 | Framework of World Languages and Cultures | 3 credits |
| ENG 421 | History of the English Language | 3 credits |

Students must also present evidence of competence in a foreign language equivalent to two years of a high school level or two semesters of a college level foreign language.

*Student Teaching/Clinical Experience

Student teaching is a one-semester (16 weeks), full-day teaching experience. All professional education coursework and the designated minimum 100 hours of pre-student teaching field experiences must be completed prior to the Student Teaching/Clinical Experience semester. All students must participate in the Student Teaching Seminar. Students must reserve the entire teaching day for participation in a P-12 school's student teaching experience. Students follow the calendar of the P-12 school rather than the Creighton University calendar during the student teaching semester. Any deviation from the program must be approved in writing by the Education Department's Selection and Retention Committee. If student teaching in special education is taken during the same semester as student teaching in elementary or secondary education, then each field experience will be 10 weeks for a total of 20 weeks.

Teacher Certification

In addition to completing all requirements of the chosen programs in the Education and Counselor Education Department, students must consult with the Education Department and with the appropriate agency in the state in which they intend to teach.

Program in University College

This department does not offer a certificate program in Education to students in University College.

For all EDU courses, please refer to page 343.

ENCUENTRO DOMINICANO

Academic Director: Mary Bean
Campus Coordinators: Eugene Selk, Department of Philosophy;
Jill Brown, Department of Philosophy

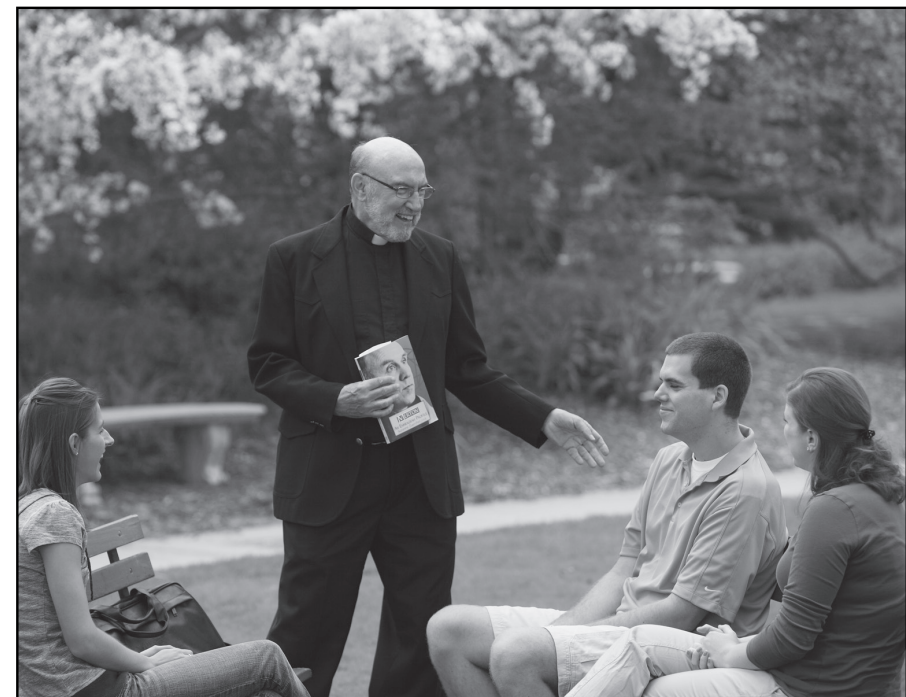
Program Description: *Encuentro Dominicano* is a semester-long academic living-learning program that integrates community-based learning with traditional coursework in a cross-cultural immersion context. Encuentro Dominicano reflects the Mission of the University, especially its call for participation in the tradition of the Society of Jesus and its integrating vision of the world. As such, it fosters commitment to a faith that promotes justice, service to others, appreciation of ethnic and cultural diversity, stimulation of creative and critical thinking, and provision of ethical perspectives for dealing with an increasingly complex world.

The program is housed in the CESI Center, a self-contained facility that provides health services and pastoral care in and around Santiago, a city of over 850,000 inhabitants in the north of the Dominican Republic. Students take 15 to 18 credits in coursework, including: EDP 361, a 6-credit course in the history, sociology, politics, economics and faith traditions of the Dominican Republic and the Caribbean and six credits in Spanish at a level commensurate with their prior language training. EDP 361 employs service-learning pedagogy, the possibility for internships and cultural immersion in local communities. Ample opportunity is provided for guided reflection on all that students experience during their time in the Dominican Republic.

Encuentro Dominicano students may also enroll in additional courses offered by Creighton faculty visiting the program.

Web Contact/Information: Additional information about this program may be found at <http://www2.creighton.edu/encuentro/>.

For the EDP 361 course description, please refer to page 352.



ENERGY TECHNOLOGY PROGRAM

Program Director: Michael Cherney
Program Office: Pittman 128

Program Description: The Energy Technology Program addresses energy issues from an interdisciplinary perspective. The program emphasizes the use of projects and case studies to develop problem-solving skills. The Bachelor of Arts with a major in Sustainable Energy is intended for students who wish to pursue a career in sustainability, energy policy or law. The Bachelor of Science with a major in Energy Science serves students interested in a science, math and/or engineering career.

Web Contact/Information: Additional information about this program may be found at <http://energy.creighton.edu/>.

PROGRAMS IN ENERGY TECHNOLOGY PROGRAM

Specific Requirements for Admission to Energy Technology majors: MTH 245 or equivalent.

B. A., Major in Sustainable Energy: 74 credits (28 credits satisfy specific Core Requirements)

(All of the following:)

Foundational Courses

| | | |
|---------|---|-----------|
| ERG 211 | Design and Rapid Prototyping Lab I | 1 credit |
| ENG 151 | Design and Rapid Prototyping Lab I | 1 credit |
| COM 153 | Design and Rapid Prototyping Lab I | 1 credit |
| ERG 212 | Design and Rapid Prototyping Lab II | 1 credit |
| JRM 202 | Design and Rapid Prototyping Lab II | 2 credits |
| ERG 311 | Design and Rapid Prototyping Lab III | 1 credit |
| ENG 152 | Design and Rapid Prototyping Lab III | 1 credit |
| COM 154 | Design and Rapid Prototyping Lab III | 1 credit |
| ERG 312 | Design and Rapid Prototyping Lab IV | 1 credit |
| ENG 153 | Design and Rapid Prototyping Lab IV | 1 credit |
| COM 155 | Design and Rapid Prototyping Lab IV | 1 credit |
| ERG 241 | Introduction to Energy Transfer | 3 credits |
| ERG 251 | History and Technology in Modern World | 2 credits |
| HIS 110 | History and Technology in Modern World | 3 credits |
| ERG 301 | Modeling Electrical Load and Yield | 3 credits |
| ERG 321 | Introduction to Solar Energy | 3 credits |
| ERG 351 | Energy Policy | 3 credits |
| ERG 481 | Senior Project in Energy Studies I | 3 credits |
| ERG 482 | Senior Project in Energy Studies II | 3 credits |
| THL 101 | Theology, Cosmology, and the Environment | 3 credits |
| THL 336 | Divine Providence, Catholic Social Teaching and Problem of Climate Change | 3 credits |
| PHL 255 | Ethics, Energy, and Environment | 3 credits |

Sustainable Energy

| | | |
|---------|---|-----------|
| ERG 361 | Internship | 3 credits |
| ERG 551 | Grants and Funding for Sustainable Technology | 3 credits |
| PHY 157 | Energy in Modern Society | 3 credits |

(One of the following:)

| | | |
|---------|-------------------------------------|-----------|
| ANT 112 | Energy, Culture, and Sustainability | 3 credits |
| ANT 355 | Environment and Society | 3 credits |

Electives

(Eighteen credits from the following):*

| | | |
|---|--|------------|
| A minimum of 18 credit hours chosen from an approved list of courses in the disciplines of ART, AMS, ANT, BUS, COM, ECO, ERG, ENG, EVS, HRS, JRM, PHY, PLS, SOC, THL. | | 18 credits |
|---|--|------------|

*For complete list of electives, please visit <http://energy.creighton.edu>

B. S., Major in Energy Science: 75 credits (25 credits satisfy specific Core Requirements)

(All of the following:)

Foundational Courses

| | | |
|---------|---|-----------|
| ERG 211 | Design and Rapid Prototyping Lab I | 1 credit |
| ENG 151 | Design and Rapid Prototyping Lab I | 1 credit |
| COM 153 | Design and Rapid Prototyping Lab I | 1 credit |
| ERG 212 | Design and Rapid Prototyping Lab II | 1 credit |
| JRM 202 | Design and Rapid Prototyping Lab II | 2 credits |
| ERG 311 | Design and Rapid Prototyping Lab III | 1 credit |
| ENG 152 | Design and Rapid Prototyping Lab III | 1 credit |
| COM 154 | Design and Rapid Prototyping Lab III | 1 credit |
| ERG 312 | Design and Rapid Prototyping Lab IV | 1 credit |
| ENG 153 | Design and Rapid Prototyping Lab IV | 1 credit |
| COM 155 | Design and Rapid Prototyping Lab IV | 1 credit |
| ERG 241 | Introduction to Energy Transfer | 3 credits |
| ERG 251 | History and Technology in Modern World | 2 credits |
| HIS 110 | History and Technology in Modern World | 3 credits |
| ERG 301 | Modeling Electrical Load and Yield | 3 credits |
| ERG 321 | Introduction to Solar Energy | 3 credits |
| ERG 351 | Energy Policy | 3 credits |
| ERG 481 | Senior Project in Energy Studies I | 3 credits |
| ERG 482 | Senior Project in Energy Studies II | 3 credits |
| THL 101 | Theology, Cosmology, and the Environment | 3 credits |
| THL 336 | Divine Providence, Catholic Social Teaching and Problem of Climate Change | 3 credits |
| PHL 255 | Ethics, Energy, and Environment | 3 credits |

Energy Science

| | | |
|---------|--|-----------|
| ERG 521 | Introduction to Photovoltaic Materials | 3 credits |
| MTH 249 | Modeling the Physical World I | 3 credits |
| PHY 221 | Modeling the Physical World I | 3 credits |
| MTH 349 | Modeling the Physical World II | 3 credits |
| PHY 222 | Modeling the Physical World II | 3 credits |

Electives

(Sixteen credits from the following):*

A minimum of 16 credit hours chosen from an approved list of courses in the disciplines: ATS, CHM, CSC, ENG, ERG, JRM, HRS, MTH, PHY. 16 credits

*Twelve credits of pre-approved engineering work can be used towards the elective requirement. For complete list of electives, please visit <http://energy.creighton.edu>

SUSTAINABLE ENERGY MINOR

Program Description: The Sustainable Energy minor offers students an introduction to basic energy principles and design methods. Courses are project and case study based.

Contact: Director, Energy Technology Program

(At least one of the following:)

| | | |
|-------------------------|-------------------------------------|-----------|
| ERG 211/ENG 151/COM 153 | Design and Rapid Prototyping Lab I | 3 credits |
| ERG 212/JRM 202 | Design and Rapid Prototyping Lab II | 3 credits |

(At least one of the following:)

| | | |
|-----------------|---------------------------------|-----------|
| PHY 157 | Energy in Modern Society | 3 credits |
| PHY 212 | General Physics II | 4 credits |
| PHY 221/MTH 249 | Modeling of the Physics World I | 6 credits |

(At least one of the following:)

| | | |
|---------|---------------------------------|-----------|
| ERG 241 | Introduction to Energy Transfer | 3 credits |
| ERG 321 | Introduction to Solar Energy | 3 credits |
| ERG 351 | Energy Policy | 3 credits |

(Additional credits to a total of 18:)

| | | |
|---------|---|-------------|
| ANT 112 | Culture, Energy, and Sustainability | 3 credits |
| COM 154 | Design and Rapid Prototyping Lab III | 1 credit |
| COM 155 | Design and Rapid Prototyping Lab IV | 1 credit |
| ERG 211 | Design and Rapid Prototyping Lab I | 1 credit |
| ENG 151 | Design and Rapid Prototyping Lab I | 1 credit |
| COM 153 | Design and Rapid Prototyping Lab I | 1 credit |
| ERG 212 | Design and Rapid Prototyping Lab II | 1 credit |
| JRM 202 | Design and Rapid Prototyping Lab II | 2 credits |
| ERG 311 | Design and Rapid Prototyping Lab III | 1 credit |
| ENG 152 | Design and Rapid Prototyping Lab III | 1 credit |
| ERG 312 | Design and Rapid Prototyping Lab IV | 1 credit |
| ENG 153 | Design and Rapid Prototyping Lab IV | 1 credit |
| ERG 251 | History and Technology in Modern World | 2 credits |
| ERG 131 | Installation Photovoltaic Systems | 3 credits |
| ERG 132 | Convection and Passive Solar Energy Systems | 3 credits |
| ERG 241 | Introduction to Energy Transfer | 3 credits |
| ERG 301 | Modeling Electrical Load and Yield | 3 credits |
| ERG 321 | Introduction to Solar Energy | 3 credits |
| ERG 351 | Energy Policy | 3 credits |
| ERG 361 | Internship | 3 credits |
| ERG 493 | Directed Independent Readings | 3 credits |
| ERG 495 | Directed Independent Study | 3 credits |
| ERG 497 | Directed Independent Research | 3 credits |
| ERG 521 | Introduction to Photovoltaic Materials | 3 credits |
| ERG 551 | Grants and Funding for Sustainable Technology | 3 credits |
| ERG 595 | Special Topics in Energy Studies | 3 credits |
| ERG 597 | Computer Models for Short Term Weather Forecasting | 3 credits |
| PHY 157 | Energy in Modern Society | 3 credits |
| PHY 212 | General Physics II | 4 credits |
| PHY 221 | Modeling of the Physics World I | 3 credits |
| MTH 249 | Modeling of the Physics World I | 3 credits |
| PHL 255 | Ethics, Energy, and Environment | 3 credits |
| PHY 591 | Seminar in Engineering | 1-3 credits |
| THL 101 | Theology, Cosmology, and the Environment | 3 credits |
| THL 336 | Divine Providence, Catholic Social Teaching and Problem of Climate Change | 3 credits |

For all ERG courses, please refer to page 352.

ENGLISH

Chair: Robert Whipple, Jr.

Department Office: Creighton Hall, 134A

Professors: N. Chiwengo, B. Keegan, B. Spencer, R. Whipple; G. Zacharias; Professor Emeriti: R. Garcia, J. Karabatsos;
Associate Professors: S. Aizenberg, R. Dornsife, F. Fajardo-Acosta, M.H.Stefaniak;
Associate Professor Emeriti: N. Fogarty, T. Kuhlman, C. Stein, M. Sundermeier;
Assistant Professors: R. Churchill, L. Cooper, N. Ha, D. Mullins, K. Rettig, B. Stafford.

Department Description: In accordance with the character and goals of Creighton University, the Department of English and the programs it offers promote the intellectual, spiritual, and professional growth of Creighton students through the study of the English language; American, British, and Irish literature; World, Ethnic, Women's and Minority literature; Creative Writing and the Language Arts. English major programs provide graduates with a solid knowledge of their field, critical thinking and writing skills, and the values and ethical background necessary for becoming active, productive, and successful members of society. A training in English at Creighton endows a graduate with a well-rounded education, a broad perspective on human issues, a tolerant and respectful attitude toward diversity, and an approach to work and human interactions based on love, kindness, and commitment to service to the human community.

Web Contact/Information: Additional information about this department may be found at <http://creightonenglish.org>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN ENGLISH

Specific Requirements for Admission to the English Major: Completion of ENG 120, ENG 121, and ENG 150 with a grade of "C" or better. Students who wish to apply to the Creative Writing Specialization: Completion of ENG 300 with a grade of "B" or better or permission of the Director of Creative Writing.

B.A., Major in English: 36 Credits**(All of the following:)**

| | | |
|---------|----------------------------------|-----------|
| ENG 201 | Interpreting Texts | 3 credits |
| ENG 202 | Entering a Professional Dialogue | 3 credits |
| ENG 499 | Senior Project | 3 credits |

Literatures and Histories**(One of the following:)**

| | | |
|---------|---|-----------|
| ENG 329 | American Literature/American Identity | 3 credits |
| ENG 330 | Introduction to Irish Literature | 3 credits |
| ENG 340 | English Literature I: Medieval/Early Renaissance | 3 credits |
| ENG 341 | English Literature II: Late Renaissance/Neo-Classical | 3 credits |
| ENG 342 | English Literature III: Romantic/Victorian | 3 credits |
| ENG 350 | American Literature I: Beginnings to Civil War | 3 credits |
| ENG 351 | American Literature II: 1860-1914 | 3 credits |
| ENG 352 | English and American Literature: 1914 to the Present | 3 credits |
| ENG 353 | Introduction to Native American Literature | 3 credits |
| ENG 372 | Western Literature of the United States | 3 credits |
| ENG 381 | Literature and the Environment | 3 credits |
| ENG 389 | The Roaring Twenties | 3 credits |
| ENG 390 | Introduction to African Literature | 3 credits |
| ENG 393 | African-American Literature | 3 credits |
| ENG 398 | Literature of Francophone Africa | 3 credits |
| ENG 405 | The Thirties | 3 credits |
| ENG 410 | Women in Literature | 3 credits |
| ENG 420 | Utopian Literature | 3 credits |
| ENG 425 | Popular Literature | 3 credits |
| ENG 426 | Canadian Literature | 3 credits |
| ENG 430 | Studies in Irish Literature | 3 credits |
| ENG 431 | Irish Drama | 3 credits |
| ENG 432 | The Irish Renaissance | 3 credits |

| | | |
|---------|---|-----------|
| ENG 433 | Contemporary Irish Literature | 3 credits |
| ENG 435 | Literature, Philosophy and Economics | 3 credits |
| ENG 436 | Studies in Irish Literary History and Culture | 3 credits |
| ENG 444 | Modern British Poetry | 3 credits |
| ENG 450 | Contemporary British Literature | 3 credits |
| ENG 475 | Contemporary American Literature | 3 credits |
| ENG 480 | History of Literary Criticism | 3 credits |
| ENG 481 | Special Topics in British Literature | 3 credits |
| ENG 482 | Special Topics in American Literature | 3 credits |
| ENG 483 | Special Topics in Irish Literature | 3 credits |
| ENG 484 | Special Literary Topics | 3 credits |

*Cultures and Identities***(One of the following:)**

| | | |
|---------|--|-----------|
| ENG 305 | Personal Values in Creative Writing | 3 credits |
| ENG 312 | Mass Media and Modern Culture | 3 credits |
| ENG 329 | American Literature/ American Identity | 3 credits |
| ENG 353 | Introduction to Native American Literature | 3 credits |
| ENG 371 | American Literature: Vision and Reality | 3 credits |
| ENG 390 | Introduction to African Literature | 3 credits |
| ENG 393 | African American Literature | 3 credits |
| ENG 398 | Literature of Francophone Africa | 3 credits |
| ENG 410 | Women in Literature | 3 credits |
| ENG 426 | Canadian Literature | 3 credits |
| ENG 434 | Irish-American Literature | 3 credits |
| ENG 440 | Introduction to Green Cultural Studies | 3 credits |
| ENG 476 | Writing and Working for Justice | 3 credits |
| ENG 489 | American Prisons | 3 credits |

*Writing and Language***(One of the following:)**

| | | |
|---------|--|-------------|
| ENG 251 | Advanced Composition | 3 credits |
| ENG 300 | Introduction to Creative Writing | 3 credits |
| ENG 301 | Creative Writing: Narrative Forms | 3 credits |
| ENG 302 | Creative Writing: Poetic Forms | 3 credits |
| ENG 305 | Personal Values in Creative Writing | 3 credits |
| ENG 310 | Writing Strategies for the Organization | 3 credits |
| ENG 311 | Ethics and the Uses of Rhetoric | 3 credits |
| ENG 312 | Mass Media and Modern Culture | 3 credits |
| ENG 313 | The Essay: Critical and Developmental Reading | 3 credits |
| ENG 314 | Explorations of the Essay: Self, Subject and Culture | 3 credits |
| ENG 315 | Technical and Professional Writing | 3 credits |
| ENG 317 | Composition Theory and Practice | 3 credits |
| ENG 403 | Seminar in Creative Writing | 3 credits |
| ENG 404 | Screenwriting | 3 credits |
| ENG 421 | History of the English Language | 3 credits |
| ENG 438 | Literacy and Community | 3 credits |
| ENG 439 | Literacy and Technology | 3 credits |
| ENG 472 | Alternative Discourse in the Academy | 3 credits |
| ENG 476 | Writing and Working for Justice | 3 credits |
| ENG 477 | The Elements of Style | 3 credits |
| ENG 479 | Creative Writing Internship | 1-3 credits |

(Three credits chosen from one of the following two areas:)*Authors*

| | | |
|---------|--------------------------|-----------|
| ENG 408 | Chaucer | 3 credits |
| ENG 409 | Shakespeare | 3 credits |
| ENG 411 | Milton | 3 credits |
| ENG 412 | Studies in Major Authors | 3 credits |

Genres

| | | |
|---------|---|-----------|
| ENG 301 | Creative Writing: Narrative Forms | 3 credits |
| ENG 302 | Creative Writing: Poetic Forms | 3 credits |
| ENG 312 | Mass Media and Modern Culture | 3 credits |
| ENG 313 | The Essay: Critical and Developmental Reading | 3 credits |
| ENG 314 | Explorations of the Essay | 3 credits |
| ENG 315 | Technical and Professional Writing | 3 credits |
| ENG 380 | History and Criticism of Cinema | 3 credits |
| ENG 420 | Utopian Literature | 3 credits |
| ENG 425 | Popular Literature | 3 credits |
| ENG 431 | Irish Drama | 3 credits |
| ENG 442 | 18th and/or 19th-Century British Novel | 3 credits |
| ENG 443 | Modern British Novel | 3 credits |
| ENG 444 | Modern British Poetry | 3 credits |
| ENG 451 | Modern Novel | 3 credits |
| ENG 452 | Modern Drama | 3 credits |
| ENG 453 | Modern Poetry | 3 credits |
| ENG 460 | Satire | 3 credits |
| ENG 461 | Comedy | 3 credits |
| ENG 469 | Modern American Poetry | 3 credits |
| ENG 470 | Seminar in Films Studies | 3 credits |
| ENG 471 | Modern American Drama | 3 credits |
| ENG 473 | 19th-Century American Novel | 3 credits |
| ENG 474 | Modern American Novel | 3 credits |
| ENG 475 | Contemporary American Literature | 3 credits |

Additional 15 credits from ENG courses numbered 300 or above. 15 credits

Students may not use a single course to satisfy more than one requirement.

Specialization in American Literature

As an alternative to the 15 additional credits of ENG courses, students may specialize in this area by taking 15 credits as follows:

| | | |
|---------|--|-----------|
| ENG 350 | American Literature I: Beginnings to Civil War | 3 credits |
| ENG 351 | American Literature II: 1860-1914 | 3 credits |
| ENG 352 | English and American Literature: 1914 to the Present | 3 credits |

(One of the following:)

| | | |
|---|---|-----------|
| ENG 372 | Western Literature of the United States | 3 credits |
| ENG 393 | African-American Literature | 3 credits |
| ENG 412 | Studies in Major Authors | 3 credits |
| ENG 434 | Irish American Literature | 3 credits |
| ENG 482 | Special Topics in American Literature | 3 credits |
| Three credits of American Literature (as approved by Advisor/Chair) | | 3 credits |

Specialization in British Literature

As an alternative to the 15 additional credits of ENG courses, students may specialize in this area by taking 15 credits as follows:

| | | |
|---------|---|-----------|
| ENG 340 | English Literature I: Medieval/Early Renaissance | 3 credits |
| ENG 341 | English Literature II: Late Renaissance/Neo-Classical | 3 credits |
| ENG 342 | English Literature III: Romantic/Victorian | 3 credits |

(One of the following):

| | | |
|---------|--|-----------|
| ENG 409 | Shakespeare | 3 credits |
| ENG 411 | Milton | 3 credits |
| ENG 412 | Studies in Major Authors (when a British author) | 3 credits |
| ENG 481 | Special Topics in British Literature | 3 credits |

Three credits of British Literature (as approved by Advisor/Chair) 3 credits

Specialization in Creative Writing

As an alternative to the 15 additional credits of ENG courses, students may specialize in this area by taking 15 credits as follows:

(All of the following):

| | | |
|---------|-----------------------------------|-----------|
| ENG 300 | Introduction to Creative Writing | 3 credits |
| ENG 301 | Creative Writing: Narrative Forms | 3 credits |
| ENG 302 | Creative Writing: Poetic Forms | 3 credits |
| ENG 403 | Seminar in Creative Writing | 3 credits |

Three additional credits from ENG courses numbered 300 or above 3 credits

Specialization in English Education

As an alternative to the 15 additional credits of ENG courses, students may specialize in this area by taking 15 credits as follows:

| | | |
|---------|----------------------------------|-----------|
| ENG 300 | Introduction to Creative Writing | 3 credits |
| ENG 312 | Mass Media and Modern Culture | 3 credits |
| ENG 409 | Shakespeare | 3 credits |
| ENG 421 | History of the English Language | 3 credits |

Three additional credits from ENG courses numbered 300 or above 3 credits

Specialization in Rhetoric and Composition

As an alternative to the 15 additional credits of ENG courses, students may specialize in this area by taking 15 credits as follows:

(One of the following):

| | | |
|---------|---------------------------------|-----------|
| ENG 312 | Mass Media and Modern Culture | 3 credits |
| ENG 380 | History and Criticism of Cinema | 3 credits |

(One of the following):

| | | |
|---------|------------------------------------|-----------|
| ENG 251 | Advanced Composition | 3 credits |
| ENG 314 | Explorations of the Essay | 3 credits |
| ENG 315 | Technical and Professional Writing | 3 credits |
| ENG 439 | Literacy and Technology | 3 credits |

(One of the following):

| | | |
|---------|--------------------------------------|-----------|
| ENG 317 | Composition Theory and Practice | 3 credits |
| ENG 438 | Literacy and Community | 3 credits |
| ENG 472 | Alternative Discourse in the Academy | 3 credits |

Six additional credits from ENG courses numbered 300 or above 6 credits

ENGLISH MINOR

Program Description: The minor in English provides students with a strong training in essential academic and professional skills, including critical analysis and writing. Foundational courses in the minor familiarize students with the discipline of English studies and provide a basis for further advanced courses to allow the student to develop his or her interests in a variety of areas.

Contact: Chair, Department of English

(All of the following):

| | | |
|---|----------------------------------|------------|
| ENG 201 | Interpreting Texts | 3 credits |
| ENG 202 | Entering a Professional Dialogue | 3 credits |
| Twelve additional credits from ENG courses numbered 300 or above. | | 12 credits |

FILM STUDIES

Program Description: Film Studies is an interdisciplinary minor that provides students with an appreciation of film as an expressive art form, with emphasis on film history, criticism, theory, aesthetics, and narrative techniques.

Contact: Brent Spencer, Professor of English

(All of the following):

| | | |
|-----------------|----------------------------------|-----------|
| ART/COM/ENG 380 | History and Criticism of Cinema | 3 credits |
| ENG 300 | Introduction to Creative Writing | 3 credits |

(Twelve credits from the following):

| | | |
|-------------|--|-----------|
| ENG 301 | Creative Writing: Narrative Forms | 3 credits |
| ENG 403 | Seminar in Creative Writing | 3 credits |
| ENG 404 | Screenwriting | 3 credits |
| COM/ENG 470 | Seminar in Film Studies | 3 credits |
| THR 428 | Film and the Fine Arts | 3 credits |
| JRM 325 | Digital Video | 3 credits |
| FRN 572 | French Cinema | 3 credits |
| GER 572 | Reading German Films | 3 credits |
| MUS 391 | Film Music | 3 credits |
| SPN 481 | Acting in Spanish | 3 credits |
| SPN 571 | Latin American Film | 3 credits |
| PHL 434 | Philosophy of East Asian Literature and Film | 3 credits |
| SPN 570 | Contemporary Peninsular Film | 3 credits |

Teacher Certification

Students who think they may teach English in the secondary schools must consult with the Education Department, with the English Department, and with the appropriate agency in the state in which they intend to teach.

Certificate Programs in University College

This department offers a *Creative Writing Certificate* program to students in University College. See the descriptions for these certificates on page 271-275 in the University College section of the Bulletin.

For all ENG courses, please refer to page 354.

ENVIRONMENTAL SCIENCES

Program Director: John Schalles

Program Office: Hixson-Lied Science Building, Room 448

Professors: T. Burk, C. Harper, J. Platz, J. Schalles, W. Stephens, J. Zehnder;

Professor Emeritus: A. Douglas;

Associate Professors: J. Ault, A. Cullum, B. Dilly, G. Michels, G. Ramsden, J. Schrage, M. Vinton;

Assistant Professors: M. Anderson, C. Fassbinder-Orth.

Department Description: The Environmental Sciences Major introduces students to a wide range of integrated coursework within the natural and physical sciences. The major is aimed at providing career opportunities related to environmental issues and in providing a broad background for graduate work within the natural and physical sciences. The major offers three distinct tracks: (1) Global Environmental Systems which explores ecological and climatological aspects of the integrated earth system, (2) Organismal/Population Ecology which emphasizes biological aspects of the environment and, (3) Environmental Policy and Society which addresses historical political and sociological aspects of environmental issues.

Web Contact/Information: Additional information about this department may be found at <http://evs.creighton.edu/>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN ENVIRONMENTAL SCIENCE

Specific Requirements for Admission to the Environmental Science Major: Successful completion of ATS 113 or BIO 211 or CHM 203 and CHM 204.

B.S. Evs., Major in Environmental Science: 45 Credits

Course Requirements

The following courses are required for all tracks. In addition, the students must choose one track.

(All of the following:)

| | | |
|---------|---|-----------|
| EVS 113 | Introduction to Atmospheric Sciences | 3 credits |
| EVS 114 | Introduction to Atmospheric Sciences Laboratory | 1 credit |
| EVS 355 | Environment and Society | 3 credits |
| EVS 390 | Environmental Science | 3 credits |
| EVS 491 | Senior Seminar | 2 credits |
| EVS 533 | Physical Climatology and Climate Change | 3 credits |
| BIO 211 | General Biology: Molecular and Cellular | 4 credits |
| BIO 212 | General Biology: Organismal and Population | 4 credits |
| CHM 203 | General Chemistry I | 3 credits |
| CHM 204 | General Chemistry Laboratory I | 1 credit |
| CHM 205 | General Chemistry II | 3 credits |
| CHM 206 | General Chemistry Laboratory II | 1 credit |

Global and Environmental Systems Track

(Fourteen credits from the following:)

| | | |
|---------|--|-----------|
| EVS 341 | General Botany | 4 credits |
| EVS 385 | The Ecology, Geography and Health of Lakes | 4 credits |
| EVS 435 | Coastal and Estuarine Ecology | 4 credits |
| EVS 440 | Field Biology of the Desert Southwest | 4 credits |
| EVS 443 | Environmental Geology | 4 credits |
| EVS 481 | Terrestrial Ecology | 4 credits |
| EVS 485 | Marine and Freshwater Ecology | 3 credits |
| EVS 486 | Freshwater Ecology Laboratory | 1 credit |
| EVS 487 | Marine Ecology Laboratory | 2 credits |
| EVS 544 | Hydrology | 3 credits |
| EVS 552 | Boundary Layer Meteorology | 3 credits |
| EVS 553 | Tropical Meteorology | 3 credits |
| EVS 555 | Meteorological Remote Sensing | 3 credits |
| EVS 556 | Introduction to Physical Oceanography | 3 credits |
| EVS 566 | Climate Theory | 3 credits |
| EVS 573 | Cloud Physics and Dynamics | 3 credits |

Organismal/Population Ecology Track

(Fourteen credits from the following:)

| | | |
|---------|--|-----------|
| EVS 335 | Zoology | 4 credits |
| EVS 341 | General Botany | 4 credits |
| EVS 351 | Microbiology | 4 credits |
| EVS 385 | The Ecology, Geography and Health of Lakes | 4 credits |
| EVS 435 | Coastal and Estuarine Ecology | 4 credits |
| EVS 440 | Field Biology of the Desert Southwest | 4 credits |
| EVS 443 | Environmental Geology | 4 credits |
| EVS 481 | Terrestrial Ecology | 4 credits |
| EVS 483 | Vertebrate Natural History Lecture | 3 credits |
| EVS 484 | Vertebrate Natural History Laboratory | 1 credit |
| EVS 485 | Marine and Freshwater Ecology | 3 credits |
| EVS 486 | Freshwater Ecology Laboratory | 1 credit |
| EVS 487 | Marine Ecology Laboratory | 2 credits |
| EVS 539 | Ecology of Zoonotic Diseases | 3 credits |
| EVS 549 | Environmental Physiology | 3 credits |
| EVS 561 | Entomology | 4 credits |
| EVS 571 | Animal Behavior | 3 credits |
| EVS 572 | Animal Behavior Laboratory | 2 credits |
| EVS 580 | Current Topics in Ecology | 3 credits |
| EVS 581 | Evolution | 4 credits |

MTH 245, PHY 211 and PHY 212 are highly recommended and may be required for students planning on attending specific graduate programs.

Environmental Policy and Society Track

(Fourteen credits; at least 3 credits from Group B:)

Group A:

| | | |
|---------|--|-----------|
| EVS 307 | Demography: World Population Issues | 3 credits |
| EVS 333 | Environmental Politics and Policy | 3 credits |
| EVS 353 | Environmental Economics | 3 credits |
| EVS 354 | Environmental Ethics | 3 credits |
| EVS 355 | Environment and Society | 3 credits |
| EVS 454 | Environmental Philosophy | 3 credits |
| EVS 455 | Food, Society And Environment | 3 credits |
| EVS 470 | Introduction to Geographic Information Systems | 4 credits |
| EVS 424 | Sustainability and Rural America | 3 credits |

Group B:

| | | |
|---------|--|-----------|
| EVS 385 | The Ecology, Geography and Health of Lakes | 4 credits |
| EVS 443 | Environmental Geology | 4 credits |
| EVS 481 | Terrestrial Ecology | 4 credits |
| EVS 506 | Environmental Chemistry | 3 credits |
| EVS 523 | Environmental Toxicology | 3 credits |

ENVIRONMENTAL SCIENCE MINOR

Program Description: The Environmental Science minor explores a wide range of scientific inquiry associated with the physical and social sciences. Students may choose to construct a broad-based minor with course work from a number of participating departments or from a set of courses that emphasize a specific field (e.g. Global Change Issues). The minor is designed for students interested in pursuing careers within environmental education, environmental law or environmental monitoring and regulation. The minor is suited to journalism students who desire a broad background in environmental issues covered by the mass media.

Contact: Director, Environmental Science Program

(One of the following):

| | | |
|------------|--|-----------|
| ATS 113 | Introduction to Atmospheric Sciences | 3 credits |
| <i>And</i> | | |
| ATS 114 | Introduction to Atmospheric Sciences Lab | 1 credits |
| BIO 211 | General Biology: Molecular and Cellular | 4 credits |
| BIO 212 | General Biology: Organismal and Population | 4 credits |
| CHM 112 | Fundamentals of Biological Chemistry | 3 credits |
| <i>And</i> | | |
| CHM 113 | Fundamentals of Biological Chemistry Lab | 1 credits |
| CHM 203 | General Chemistry I | 3 credits |
| <i>And</i> | | |
| CHM 204 | General Chemistry I Lab | 1 credits |

(Fourteen credits from the following:*)*Atmospheric Sciences*

| | | |
|---------|---|-----------|
| EVS 443 | Environmental Geology | 4 credits |
| EVS 533 | Physical Climatology and Climate Change | 3 credits |
| EVS 544 | Hydrology | 3 credits |
| EVS 553 | Tropical Meteorology | 3 credits |
| EVS 555 | Meteorological Remote Sensing | 3 credits |
| EVS 556 | Introduction to Physical Oceanography | 3 credits |

Biology

| | | |
|---------|--|-----------|
| EVS 335 | Zoology | 4 credits |
| EVS 341 | General Botany | 4 credits |
| EVS 385 | The Ecology, Geography and Health of Lakes | 3 credits |
| EVS 390 | Environmental Science | 3 credits |
| EVS 435 | Coastal and Estuarine Ecology | 4 credits |
| EVS 440 | Field Biology of the Desert Southwest | 4 credits |
| EVS 481 | Terrestrial Ecology | 4 credits |
| EVS 483 | Vertebrate Natural History Lecture | 3 credits |
| EVS 484 | Vertebrate Natural History Laboratory | 1 credit |
| EVS 485 | Marine and Freshwater Ecology | 3 credits |
| EVS 486 | Freshwater Ecology Laboratory | 1 credit |
| EVS 487 | Marine Ecology Laboratory | 2 credits |
| EVS 523 | Environmental Toxicology | 3 credits |
| EVS 549 | Environmental Physiology | 3 credits |

Other Courses

| | | |
|---------|---|-----------|
| EVS 307 | Demography: World Population Issues | 3 credits |
| EVS 333 | Environmental Politics and Policy | 3 credits |
| EVS 354 | Environmental Ethics | 3 credits |
| EVS 355 | Environment and Society | 3 credits |
| EVS 506 | Environmental Chemistry and Natural Resources | 3 credits |
| EVS 491 | Senior Seminar | 1 credit |
| EVS 424 | Sustainability and Rural America | 3 credits |

*No more than two courses may be chosen from any group.

ENVIRONMENTAL POLICY MINOR

Program Description: The Environmental Policy minor focuses on the ethical, cultural, political, economic, and scientific factors that facilitate or impede environmental problem-solving. The minor provides students with a grasp of national and international environmental laws and policies designed to address current environmental concerns. Students will study the political and cultural contexts that shape the relationship between human interests and environmental concerns, including the roles played by science, government, business, and civil society.

Contact: Director, Environmental Science Program

(All of the following):

| | | |
|---------|-----------------------------------|-----------|
| EVS 333 | Environmental Politics and Policy | 3 credits |
| EVS 354 | Environmental Ethics | 3 credits |
| EVS 355 | Environment and Society | 3 credits |

(One of the following):

| | | |
|---------|--------------------------------------|-----------|
| ATS 113 | Introduction to Atmospheric Sciences | 3 credits |
| CHM 105 | Introductory Chemistry | 3 credits |
| EVS 390 | Environmental Science | 3 credits |
| EVS 443 | Environmental Geology | 4 credits |
| PHY 187 | Introduction to Physics | 3 credits |

(One of the following):

| | | |
|------------|--|-----------|
| ATS 113 | Introduction to Atmospheric Sciences | 3 credits |
| <i>And</i> | | |
| ATS 114 | Introduction to Atmospheric Sciences Lab | 1 credits |
| BIO 211 | General Biology: Molecular and Cellular | 4 credits |
| BIO 212 | General Biology: Organismal and Population | 4 credits |
| CHM 203 | General Chemistry I | 3 credits |
| <i>And</i> | | |
| CHM 204 | General Chemistry I Lab | 1 credits |

(One of the following):

| | | |
|---------|-------------------------------------|-----------|
| EVS 307 | Demography: World Population Issues | 3 credits |
| EVS 454 | Environmental Philosophy | 3 credits |
| EVS 455 | Food, Society and Environment | 3 credits |
| EVS 424 | Sustainability and Rural America | 3 credits |

For all EVS courses, please refer to page 362.

EXERCISE SCIENCE

Chair: Thomas Baechle

Department Office: Kiewit Fitness Center, Room 225

Professors: T. Baechle, J. Eckerson;
Associate Professors: A. Bull, G. Lambert.

Department Description: The Department of Exercise Science offers a Bachelor of Science degree in Exercise Science. The Exercise Science major prepares students for careers in several health-fitness fields such as corporate/community/commercial fitness, personal training, and strength training and conditioning. This major is also an attractive option for students seeking an advanced degree in exercise science/exercise physiology or who intend to pursue careers in physical or occupational therapy, nursing, cardiopulmonary rehabilitation, medicine, dentistry, and pharmacy or physician assistant. Coursework provided in the Exercise Science major prepares students for national certifications offered by the American College of Sports Medicine and the National Strength and Conditioning Association Certification Commission.

Web Contact/Information: Additional information about this department may be found at <http://www.creighton.edu/ccas/exercisescience/>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAM IN EXERCISE SCIENCE

Specific Requirements for Admission to Exercise Science: Enrollment is based upon the following requirements: A minimum of 30 credits in Creighton University coursework with a cumulative GPA of 2.75; a grade of "C" or better in CHM 203/204 or 205/206 and BIO 211 or 212. Students apply for admission to the major through the College of Arts and Sciences website.

B.S., Major in Exercise Science: 45-47 Credits

Course Requirements

(All of the following:)

| | | |
|---------|--|-------------|
| EXS 125 | First Aid | 2 credits |
| EXS 142 | Personalized Weight Training | 1 credit |
| EXS 144 | Aerobics | 2 credits |
| EXS 195 | Introduction to Athletic Training | 3 credits |
| EXS 240 | Designing a Personalized Fitness Program | 3 credits |
| EXS 320 | Human Physiology | 4 credits |
| EXS 331 | Human Anatomy | 4 credits |
| EXS 334 | Biomechanics | 3 credits |
| EXS 335 | Exercise Physiology | 4 credits |
| EXS 350 | Nutrition for Health and Sports Performance | 3 credits |
| EXS 401 | Exercise Prescription | 3 credits |
| EXS 407 | Basic Statistics and Research Design | 3 credits |
| EXS 489 | Laboratory Methods and Procedures | 4 credits |
| EXS 491 | Exercise Leadership and Program Administration | 3 credits |
| EXS 492 | Exercise Science Internship | 3-5 credits |

Certificate Programs in University College

This department does not offer a certificate program in Exercise Science to students in University College.

For all EXS courses, please refer to page 367.

FINE AND PERFORMING ARTS

Chair: Frederick Hanna

Coordinator of Studio Art: Amy Nelson;
Coordinator of Art History: Matthew Knox Averett;
Coordinator of Dance: Patrick Roddy;
Coordinator of Music: A. Barron Breland;
Coordinator of Theatre: William Van Deest

Department Office: Lied Education Center for the Arts, Room 101

Professor: M. Flecky, S.J.;
Associate Professors: L. Alston, R. Bosco, F. Hanna, W. Hutson, A. Klem, C. Seitz, J. Thein;
Associate Professor Emeritus: R. Aikin;
Assistant Professors: M. Averett, A. Breland, B. Hough, A. Nelson.

Department Description: The Department of Fine and Performing Arts offers courses for non-majors and B.A. and B.F.A. degrees in Studio Art, Graphic Design, and Theatre; a B.A. in Art History, Music and a B.F.A. in Musical Theatre; and minors in Art History, Studio Art, Dance, Music and Theatre. The department stages theatrical and dance productions each year, numerous musical events, and several art exhibitions in our state-of-the-art facility, The Lied Education Center for the Arts, which is the focus of Fine and Performing Arts at Creighton.

Web Contact/Information: Additional information about this department may be found at <http://finearts.creighton.edu>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN STUDIO ART

Specific Requirements for Admission to the B.A., Studio Art Major: Successful completion of ART 105 and acceptable portfolio review, normally by the end of the sophomore year.

Specific Requirements for Admission to the B.F.A.: Acceptance into the B.A., Studio Art Major and acceptable portfolio review normally at the end of the junior year.

B.A., Major in Studio Art: 36 Credits

Course Requirements

(All of the following:)

| | | |
|---------|------------------------|-----------|
| ART 105 | Art Fundamentals | 3 credits |
| ARH 219 | History of Western Art | 3 credits |
| ART 271 | Photography Studio I | 3 credits |
| ART 321 | Life Drawing I | 3 credits |
| ART 331 | Painting I | 3 credits |

(One of following:)

| | | |
|---------|--|-----------|
| ART 201 | Arts and Civic Engagement: Empty Bowls | 3 credits |
| ART 211 | Introductory Ceramics | 3 credits |

(One of following:)

| | | |
|---------|--------------------------|-----------|
| ART 153 | 3D Foundations | 3 credits |
| ART 154 | Clay Modeling I | 3 credits |
| ART 155 | Welded Metal Sculpture I | 3 credits |
| ART 156 | Bronze Casting I | 3 credits |
| ART 157 | Stone Carving I | 3 credits |

(One of the following:)

| | | |
|---------|---------------------------------------|-----------|
| ART 345 | Relief Printing: Woodcut and Linoleum | 3 credits |
| ART 347 | Etching I | 3 credits |

*Studio Art Elective***(Six credits from the following:)**

| | | |
|---------|--|---------------|
| ART 201 | Arts and Civic Engagement: Empty Bowls | 3 credits |
| ART 253 | Sculpture II | 3 credits |
| ART 254 | Clay Modeling II | 3 credits |
| ART 255 | Welded Metal Sculpture II | 3 credits |
| ART 256 | Bronze Casting II | 3 credits |
| ART 257 | Stone Carving II | 3 credits |
| ART 271 | Photography Studio I | 3 credits |
| ART 306 | Color: Acrylic and Chalk | 3 credits |
| ART 311 | Arts and Civic Engagement: Empty Bowls | 3 credits |
| ART 311 | Intermediate Ceramics I | 3 credits |
| ART 312 | Intermediate Ceramics II | 3 credits |
| ART 322 | Life Drawing II | 3 credits |
| ART 332 | Painting II | 3 credits |
| ART 345 | Relief Printing: Woodcut and Linoleum | 3 credits |
| ART 347 | Etching I | 3 credits |
| ART 348 | Etching II | 3 credits |
| ART 353 | Sculpture III | 3 credits |
| ART 371 | Photography Studio II | 3 credits |
| ART 372 | Color Photography | 3 credits |
| ART 373 | Photographic Design and Non-Silver Process | 3 credits |
| ART 376 | The Photo Diary | 3 credits |
| ART 390 | Sculptural Glass Casting | 3 credits |
| ART 395 | Summer Art Studio | 1-3 credit(s) |
| ART 411 | Advanced Ceramics I | 3 credits |
| ART 412 | Advanced Ceramics II | 3 credits |
| ART 421 | Life Drawing III | 3 credits |
| ART 422 | Life Drawing IV | 3 credits |
| ART 431 | Painting III | 3 credits |
| ART 432 | Painting IV | 3 credits |
| ART 446 | Glass Casting in the Kiln | 3 credits |
| ART 447 | Etching III | 3 credits |
| ART 448 | Etching IV | 3 credits |
| ART 453 | Sculpture IV | 3 credits |
| ART 454 | Sculpture V | 3 credits |
| ART 495 | Directed Independent Projects | 1-3 credit(s) |
| HRS 348 | Sources & Methods: Pictures & Words: The Visual Book | 3 credits |

*Art History***(Six credits from the following:)**

| | | |
|---------|--|-----------|
| ARH 319 | Art International: The Art Culture of the Global Comm. | 3 credits |
| ARH 349 | Egyptian Art and Archaeology | 3 credits |
| ARH 350 | Archaeology of Syria-Palestine | 3 credits |
| ARH 354 | Greek Art and Archaeology | 3 credits |
| ARH 362 | Early Christian Art and Archaeology | 3 credits |
| ARH 365 | Greek Art | 3 credits |
| ARH 366 | Etruscan and Roman Art | 3 credits |
| ARH 369 | Medieval Art and Architecture | 3 credits |
| ARH 372 | History of Northern Renaissance Art and Architecture | 3 credits |
| ARH 375 | History of Italian Renaissance Art and Architecture | 3 credits |
| ARH 377 | Seventeenth-Century Art and Architecture | 3 credits |
| ARH 380 | History of the Art of the Eighteenth Century | 3 credits |
| ARH 383 | History and Aesthetics of Photography | 3 credits |
| ARH 384 | History of American Architecture | 3 credits |
| ARH 385 | History of American Art and Architecture | 3 credits |

| | | |
|---------|--|---------------|
| ARH 386 | The History and Aesthetics Latin American Photo. | 3 credits |
| ARH 387 | Modern Hispanic Art History | 3 credits |
| ARH 390 | Nineteenth Century Art and Architecture | 3 credits |
| ARH 394 | Modern European Art, 1900-1945 | 3 credits |
| ARH 398 | Contemporary Art | 3 credits |
| ARH 401 | History and Methods of Art History | 3 credits |
| ARH 410 | The Lives of Artists in Film | 3 credits |
| ARH 418 | Jesus Through The Ages | 3 credits |
| ARH 430 | Selected Topics in Ancient Art | 3 credits |
| ARH 435 | Women, Art and Society | 3 credits |
| ARH 445 | History of Architecture and Urbanism | 3 credits |
| ARH 450 | The City | 3 credits |
| ARH 461 | The City of Rome in Antiquity | 3 credits |
| ARH 465 | The City of Rome since Antiquity | 3 credits |
| ARH 467 | History of The Art of Spain and Her Colonies | 3 credits |
| ARH 468 | Native American Art | 3 credits |
| ARH 475 | Michelangelo and the High Renaissance | 3 credits |
| ARH 480 | Management of Arts Organizations | 3 credits |
| ARH 489 | Summer Art History Seminar | 1 credit |
| ARH 493 | Directed Independent Readings | 1-3 credit(s) |
| ARH 497 | Directed Independent Research | 1-2 credit(s) |
| ART 380 | History and Criticism of Cinema | 3 credits |
| ART 428 | Film and the Fine Arts | 3 credits |

B.F.A., Major in Studio Art: 54 Credits*Course Requirements***(All of the following:)**

| | | |
|---------|--------------------------|-------------|
| ART 105 | Art Fundamentals | 3 credits |
| ARH 219 | History of Western Art | 3 credits |
| ART 271 | Photography Studio I | 3 credits |
| ART 306 | Color: Acrylic and Chalk | 3 credits |
| ART 321 | Life Drawing I | 3 credits |
| ART 331 | Painting I | 3 credits |
| ART 499 | Senior Thesis | 3 credit(s) |

(One of following:)

| | | |
|---------|--|-----------|
| ART 201 | Arts and Civic Engagement: Empty Bowls | 3 credits |
| ART 211 | Introductory Ceramics | 3 credits |

(One of following:)

| | | |
|---------|--------------------------|-----------|
| ART 153 | 3D Foundations | 3 credits |
| ART 154 | Clay Modeling I | 3 credits |
| ART 155 | Welded Metal Sculpture I | 3 credits |
| ART 156 | Bronze Casting I | 3 credits |
| ART 157 | Stone Carving I | 3 credits |

(One of the following:)

| | | |
|---------|---------------------------------------|-----------|
| ART 345 | Relief Printing: Woodcut and Linoleum | 3 credits |
| ART 347 | Etching I | 3 credits |

Six additional credits, in Art History (see B.A. Major in Studio Art) 6 credits

Eighteen additional credits in studio art 200-level and above. 15 credits

Teacher Certification

Students who think they may teach Studio Art in secondary schools must consult with the Education Department, with the Fine and Performing Arts Department, and with the appropriate agency in the state in which they intend to teach.

STUDIO ART MINOR

Program Description: The minor in Studio Art provides the student with hands-on experience and a basic understanding of the practice of Fine Art. The two-dimensional and three-dimensional worlds are explored through the study of the elements of art: line, shape, value, color, texture, form, space, and design. In addition, social context and purpose are examined. The student creates objects of art based on these principles, self-expression, and theories of aesthetics.

Contact: Coordinator of Studio Art, Department of Fine and Performing Arts

(All of the following:)

ART 105 Art Fundamentals 3 credits

(One of the following:)

ART 153 3D Foundations 3 credits

ART 154 Clay Modeling I 3 credits

ART 155 Welded Metal Sculpture I 3 credits

ART 156 Bronze Casting I 3 credits

ART 157 Stone Carving I 3 credits

(One of following:)

ART 201 Arts and Civic Engagement: Empty Bowls 3 credits

ART 211 Introductory Ceramics 3 credits

Three credits of Art History (ARH 200-level and above) 3 credits

Nine credits of Studio Art (ART 200-level and above) 9 credits

For all ART courses, please refer to page 320.

PROGRAMS IN ART HISTORY

Specific Requirements for Admission to the Art History Major: Successful completion of ARH 219 and one additional Art History course.

B. A., Major in Art History: 30 Credits*Course Requirements***(All of the following:)**

ARH 219 History of Western Art 3 credits

ARH 319 Art International: The Art Culture of the Global Comm. 3 credits

Three credits of Studio Art 3 credits

(Three credits from three of the following areas:)*Non-Western*

ARH 387 Modern Hispanic Art History 3 credits

ARH 414 The Jesuits and the Arts 3 credits

ARH 467 History of The Art of Spain and Her Colonies 3 credits

ARH 468 Native American Art 3 credits

Ancient

ARH 349 Egyptian Art and Archaeology 3 credits

ARH 354 Greek Art and Archaeology 3 credits

ARH 362 Early Christian Art and Archaeology 3 credits

ARH 365 Greek Art 3 credits

ARH 366 Etruscan and Roman Art 3 credits

Medieval and Early Modern

ARH 369 Medieval Art and Architecture 3 credits

ARH 372 History of Northern Renaissance Art and Architecture 3 credits

ARH 375 History of Italian Renaissance Art and Architecture 3 credits

ARH 377 Seventeenth-Century Art and Architecture 3 credits

ARH 380 History of the Art of the Eighteenth Century 3 credits

Modern

ARH 385 History of American Art and Architecture 3 credits

ARH 390 Nineteenth Century Art and Architecture 3 credits

ARH 394 Modern European Art, 1900-1945 3 credits

ARH 398 Contemporary Art 3 credits

(Twelve additional credits chosen from the areas above or the following:)

| | | |
|---------|--|---------------|
| ARH 301 | Topics in the History of Art | 3 credits |
| ARH 350 | Archaeology of Syria-Palestine | 3 credits |
| ARH 383 | History and Aesthetics of Photography | 3 credits |
| ARH 384 | History of American Architecture | 3 credits |
| ARH 386 | The History and Aesthetics Latin American Photo. | 3 credits |
| ARH 401 | History and Methods of Art History | 3 credits |
| ARH 410 | The Lives of Artists in Film | 3 credits |
| ARH 418 | Jesus Through The Ages | 3 credits |
| ARH 430 | Selected Topics in Ancient Art | 3 credits |
| ARH 435 | Women, Art and Society | 3 credits |
| ARH 445 | History of Architecture and Urbanism | 3 credits |
| ARH 450 | The City | 3 credits |
| ARH 461 | The City of Rome in Antiquity | 3 credits |
| ARH 465 | The City of Rome since Antiquity | 3 credits |
| ARH 475 | Michelangelo and the High Renaissance | 3 credits |
| ARH 480 | Management of Arts Organizations | 3 credits |
| ARH 481 | Arts Management Internship | 3 credits |
| ARH 489 | Summer Art History Seminar | 1 credit |
| ARH 493 | Directed Independent Readings | 1-3 credit(s) |
| ARH 497 | Directed Independent Research | 1-2 credit(s) |
| ART 499 | Senior Thesis | 1-3 credit(s) |

ART HISTORY MINOR

Program Description: The minor in Art History offers students a basic understanding of the history of visual culture. The study of Art History is fundamentally interdisciplinary and can complement majors in Theology, Philosophy, History, English, Psychology, Foreign Languages, and other majors in the Liberal Arts and the Sciences.

Contact: Coordinator of Art History, Department of Fine and Performing Arts

(All of the following:)

ARH 219 History of Western Art 3 credits

ARH 319 Art International (Non-Western Arts) 3 credits

(Twelve credits from the following:)

| | | |
|---------|--|-----------|
| ARH 301 | Topics in the History of Art | 3 credits |
| ARH 349 | Egyptian Art and Archaeology | 3 credits |
| ARH 350 | Archaeology of Syria-Palestine | 3 credits |
| ARH 354 | Greek Art and Archaeology | 3 credits |
| ARH 355 | Greek Art and Archaeology (travel) | 3 credits |
| ARH 362 | Early Christian Art and Archaeology | 3 credits |
| ARH 366 | Etruscan and Roman Art | 3 credits |
| ARH 369 | Medieval Art and Architecture | 3 credits |
| ARH 372 | History of Northern Renaissance Art and Architecture | 3 credits |
| ARH 375 | History of Italian Renaissance Art and Architecture | 3 credits |
| ARH 377 | Seventeenth-Century Art and Architecture | 3 credits |
| ARH 380 | History of the Art of the Eighteenth Century | 3 credits |
| ARH 383 | History and Aesthetics of Photography | 3 credits |
| ARH 384 | History of American Architecture | 3 credits |
| ARH 385 | History of American Art and Architecture | 3 credits |
| ARH 386 | The History and Aesthetics Latin American Photo. | 3 credits |
| ARH 387 | Modern Hispanic Art History | 3 credits |
| ARH 390 | Nineteenth Century Art and Architecture | 3 credits |
| ARH 394 | Modern European Art, 1900-1945 | 3 credits |
| ARH 398 | Contemporary Art | 3 credits |
| ARH 410 | The Lives of Artists in Film | 3 credits |
| ARH 418 | Jesus Through The Ages | 3 credits |

| | | |
|---------|--|-----------|
| ARH 430 | Selected Topics in Ancient Art | 3 credits |
| ARH 435 | Women, Art and Society | 3 credits |
| ARH 445 | History of Architecture and Urbanism | 3 credits |
| ARH 450 | The City | 3 credits |
| ARH 461 | The City of Rome in Antiquity | 3 credits |
| ARH 465 | The City of Rome since Antiquity | 3 credits |
| ARH 467 | History of The Art of Spain and Her Colonies | 3 credits |
| ARH 468 | Native American Art | 3 credits |
| ARH 475 | Michelangelo and the High Renaissance | 3 credits |
| ARH 489 | Summer Art History Seminar | 1 credit |

Teacher Certification

Students who think they may teach Art History in secondary schools must consult with the Education Department, with the Fine and Performing Arts Department, and with the appropriate agency in the state in which they intend to teach.

Certificate Programs in University College

This department does not offer a certificate program in Art History to students in University College.

For all ARH courses, please refer to page 324.

PROGRAM IN DANCE

DANCE MINOR

Program Description: A minor in Dance offers training in ballet coupled with exposure to jazz, tap, and modern dance technique. Students who pursue this study option will also have the opportunity to publicly perform a variety of dance styles as well as work with professional and peer choreographers and instructors.

Contact: Coordinator of Dance, Department of Fine and Performing Arts

(All of the following:)

| | | |
|---------|----------------------------|-----------|
| DAN 310 | Advanced I Dance Studies 1 | 3 credits |
| DAN 398 | Performance -Third Year | 1 credit |
| DAN 498 | Performance - Fourth Year | 1 credit |

(Thirteen credits from the following:*)

| | | |
|---------|--------------------------------|-------------|
| DAN 101 | Introduction to the Dance | 3 credits |
| DAN 110 | Dance Studies I | 3 credits |
| DAN 111 | Dance Studies II | 3 credits |
| DAN 112 | Dance Studies III | 3 credits |
| DAN 210 | Intermediate Dance Studies I | 3 credits |
| DAN 211 | Intermediate Dance Studies II | 3 credits |
| DAN 212 | Intermediate Dance Studies III | 3 credits |
| DAN 311 | Advanced I Dance Studies II | 3 credits |
| DAN 312 | Advanced I Dance Studies III | 3-4 credits |
| DAN 410 | Advanced II Dance Studies I | 3-4 credits |
| DAN 411 | Advanced II Dance Studies II | 3-4 credits |
| DAN 412 | Advanced II Dance Studies III | 3-4 credits |
| DAN 492 | Advanced II Ballet | 1-3 credits |
| DAN 493 | Advanced II Ballet | 1-3 credits |

*Chosen after consultation with the Coordinator of Dance for assignment to the appropriate level.

For all DAN courses, please refer to page 339.

PROGRAMS IN MUSIC

Special Requirement for Admission to the Major in Music: Audition before the full-time music faculty before the first semester of enrollment in applied lessons, scheduled through the Coordinator of Music.

Special Requirement for Admission to the Major in Musical Theatre: Audition through the Dance, Music and Theater faculty. Depending on the outcome of the audition, students may have to take DAN 101 and THR 131.

B.A., Major in Music: 46 Credits

Course requirements

(All of the following:)

| | | |
|---------|--|-----------|
| MUS 100 | Music Theory I | 2 credits |
| MUS 101 | Music Theory II | 2 credits |
| MUS 200 | Music Theory III | 2 credits |
| MUS 221 | Ear Training and Sight Singing I | 1 credit |
| MUS 222 | Ear Training and Sight Singing II | 1 credit |
| MUS 300 | Music History: Baroque | 3 credits |
| MUS 301 | Music History: Classical | 3 credits |
| MUS 321 | Ear Training and Sight Singing III | 1 credit |
| MUS 400 | Music History: 19 th and 20 th Centuries | 3 credits |
| MUS 415 | Conducting | 3 credits |
| MUS 498 | Senior Recital | 1 credit |

Applied Music: Piano

(Four credits from the following*):

| | | |
|---------|--------------------------|-----------|
| MUS 135 | Beginning Class Piano | 1 credit |
| MUS 145 | Beginning Class Piano II | 3 credits |
| MUS 157 | Applied Music I-Piano | 1 credit |
| MUS 257 | Applied Music II-Piano | 1 credit |

Applied Music: Voice

(Four credits from the following*):

| | | |
|---------|------------------------|-----------|
| MUS 161 | Applied Music I-Voice | 1 credit |
| MUS 271 | Voice Class | 3 credits |
| MUS 261 | Applied Music II-Voice | 1 credit |

Applied Music: Elective Instrumental Area or Voice Area

| | |
|--|-----------|
| Two credits of Applied Music I (MUS 137-161) | 2 credits |
| Two credits of Applied Music II (MUS 237-261) | 2 credits |
| Two credits of Applied Music III (MUS 337-361) | 2 credits |
| Two credits of Applied Music IV (MUS 437-461) | 2 credits |

Performance Ensemble

(Eight credits from the following:)

| | | |
|---------|-------------------------|----------|
| MUS 208 | Jazz Ensemble I | 1 credit |
| MUS 209 | Gospel Choir I | 1 credit |
| MUS 212 | University Chorus I | 1 credit |
| MUS 218 | Wind Ensemble I | 1 credit |
| MUS 220 | University Orchestra I | 1 credit |
| MUS 308 | Jazz Ensemble II | 1 credit |
| MUS 309 | Gospel Choir II | 1 credit |
| MUS 312 | University Chorus II | 1 credit |
| MUS 313 | Chamber Choir | 1 credit |
| MUS 318 | Wind Ensemble II | 1 credit |
| MUS 320 | University Orchestra II | 1 credit |

* These credits may be waived if competency is established by examination.

B.F.A., Major in Musical Theatre: 53 Credits*Course requirements***(All of the following:)***Musical Theatre Core*

| | | |
|---------|---|-----------|
| MUS 363 | Musical Theatre Song Repertoire | 3 credits |
| MUS 364 | History of Musical Theatre | 3 credits |
| | Three additional credits of Musical Theatre Performance | 3 credits |

Music

| | | |
|---------|-----------------------------------|-----------|
| MUS 130 | Foundations of Music | 3 credits |
| MUS 221 | Ear Training and Sight Singing I | 1 credit |
| MUS 222 | Ear Training And Sight Singing II | 1 credit |
| MUS 157 | Applied Music-Piano | 1 credit |
| MUS 161 | Applied Music-Voice | 1 credit |
| MUS 313 | Chamber Choir | 2 credits |
| MUS 361 | Applied Music III-Voice | 2 credits |
| MUS 461 | Applied Music IV-Voice | 2 credits |

Theatre

| | | |
|---------|--------------------------------------|-----------|
| THR 330 | Acting II | 3 credits |
| THR 335 | Audition Technique | 3 credits |
| THR 341 | Play Direction and Script Analysis I | 3 credits |
| THR 391 | Production Practicum | 3 credits |
| THR 466 | World Theatre History | 3 credits |

Dance

| | | |
|---------|----------------------------|-------------|
| DAN 310 | Advanced I Dance Studies I | 3-4 credits |
|---------|----------------------------|-------------|

*Ballet, Jazz and Tap***(Nine credits from the following:)**

| | | |
|---------|--------------------------------|-------------|
| DAN 110 | Dance Studies I | 3 credits |
| DAN 111 | Dance Studies II | 3 credits |
| DAN 112 | Dance Studies III | 3 credits |
| DAN 210 | Intermediate Dance Studies I | 3 credits |
| DAN 211 | Intermediate Dance Studies II | 3 credits |
| DAN 212 | Intermediate Dance Studies III | 3 credits |
| DAN 311 | Advanced I Dance Studies II | 3-4 credits |
| DAN 312 | Advanced I Dance Studies III | 3-4 credits |
| DAN 410 | Advanced II Dance Studies I | 3-4 credits |
| DAN 411 | Advanced II Dance Studies II | 3-4 credits |
| DAN 412 | Advanced II Dance Studies III | 3-4 credits |

*Electives***(Three credits from the following:)**

| | | |
|---------|--|-------------|
| DAN 121 | Beginning Modern Dance | 1 credit |
| DAN 221 | Intermediate Modern Dance | 1 credit |
| DAN 242 | Dance Composition and Theory I | 2 credits |
| DAN 321 | Advanced I Modern Dance | 1 credit |
| DAN 342 | Individual Choreographic Project | 1 credit |
| DAN 383 | Summer Session Workshop in Advanced Dance I | 1-3 credits |
| DAN 398 | Performance – Third Year | 1 credit |
| DAN 483 | Summer Session Workshop in Advanced Dance II | 1-3 credits |
| DAN 498 | Performance – Fourth Year | 1 credit |
| MUS 235 | Applied Music I | 1 credit |
| MUS 313 | Chamber Choir | 1 credit |
| MUS 495 | Independent Research Project | 1-3 credits |
| MUS 498 | Senior Recital | 1 credit |
| THR 331 | Acting Styles | 3 credits |
| THR 432 | Actor's Lab | 3 credits |
| THR 441 | Play Direction and Script Analysis II | 3 credits |

MUSIC MINOR

Program Description: The Music minor is structured to develop the student's understanding of foundational knowledge arising within the field of musical arts. The minor provides the student with a grasp of fundamental knowledge within the context of music theory, music history, ear training and sight-singing, and performance on voice or selected instrument.

Contact: Coordinator of Music, Department of Fine and Performing Arts

(All of the following):*

| | | |
|---------|----------------------------------|-----------|
| MUS 100 | Music Theory I | 2 credits |
| MUS 221 | Ear Training and Sight Singing I | 1 credit |

(One of the following):*

| | | |
|---------|--|-----------|
| MUS 300 | Music History: Baroque | 3 credits |
| MUS 301 | Music History: Classical | 3 credits |
| MUS 400 | Music History: 19 th and 20 th Centuries | 3 credits |

(Three credits from the following:)

| | | |
|---------|---|-----------|
| MUS 135 | Beginning Class Piano | 1 credits |
| MUS 157 | Applied Music I-Piano (may be repeated) | 1 credit |
| MUS 257 | Applied Music II-Piano | 1 credit |

(Three credits from the following:)

| | | |
|---------|--|-----------|
| MUS 271 | Voice Class | 3 credits |
| MUS 161 | Applied Music I- Voice (may be repeated) | 1 credit |
| MUS 261 | Applied Music II-Voice | 1 credit |

*Performance Ensembles***(Three credits from the following:)**

| | | |
|---------|-------------------------|----------|
| MUS 208 | Jazz Ensemble I | 1 credit |
| MUS 209 | Gospel Choir I | 1 credit |
| MUS 212 | University Chorus I | 1 credit |
| MUS 218 | Wind Ensemble I | 1 credit |
| MUS 220 | University Orchestra I | 1 credit |
| MUS 308 | Jazz Ensemble II | 1 credit |
| MUS 309 | Gospel Choir II | 1 credit |
| MUS 312 | University Chorus II | 1 credit |
| MUS 313 | Chamber Choir | 1 credit |
| MUS 318 | Wind Ensemble II | 1 credit |
| MUS 320 | University Orchestra II | 1 credit |

(Three credits from the following:)

| | | |
|-------------|--|-----------|
| MUS 137-161 | Applied Music I | 1 credit |
| MUS 208-220 | Performance Ensemble course | 1 credit |
| MUS 237-261 | Applied Music II | 1 credit |
| MUS 337-361 | Applied Music III | 1 credit |
| MUS 300 | Music History: Baroque | 3 credits |
| MUS 301 | Music History: Classical | 3 credits |
| MUS 308-320 | Performance Ensemble course | 1 credit |
| MUS 400 | Music History: 19 th and 20 th Centuries | 3 credits |
| MUS 101 | Music Theory II | 2 credits |

And

| | | |
|---------|------------------------------|----------|
| MUS 222 | Ear Train & Sight Singing II | 1 credit |
|---------|------------------------------|----------|

*Students must complete a successful audition before the music faculty before the first semester they are enrolled in applied lessons.

Certificate Programs in University College

This department does not offer a certificate program to students in University College.

For all MUS courses, please refer to page 413.

PROGRAMS IN THEATRE

Specific Requirements for Admission to the Theatre major: Successful completion of THR 131, THR 153, and one of the following: THR 215, THR 223, THR 330 or THR 355.

B.A., Major in Theatre: 40 Credits*Course Requirements***(All of the following:)**

| | | |
|---------|--------------------------------------|-----------|
| THR 131 | Acting I | 3 credits |
| THR 153 | Stagecraft I | 3 credits |
| THR 154 | Costume Construction | 3 credits |
| THR 215 | Makeup Design | 3 credits |
| THR 223 | Basic Television Studio Production | 3 credits |
| THR 341 | Play Direction and Script Analysis I | 3 credits |
| THR 355 | Lighting I | 3 credits |
| THR 491 | Production for Majors | 4 credits |

(Six credits from the following:)

| | | |
|---|--|-----------|
| THR 461 | American Theatre History | 3 credits |
| THR 465 | Theatre History I (5 th Century, B.C.-1700) | 3 credits |
| THR 466 | Theatre History II (1700-Present) | 3 credits |
| Nine additional theatre credits at the 200-400 level. | | 9 credits |

Requisite Courses: Nine credits with the approval of the major advisor, including six credits from the FPA Department and three credits of 300-level or above from other departments.

B.F.A., Major in Theatre: 52 Credits*Course Requirements*

The following THR courses are required for both tracks. In addition, the student must choose one track.

(All of the following:)

| | | |
|---------|----------------------------|-----------|
| THR 131 | Acting I | 3 credits |
| THR 153 | Stagecraft I | 3 credits |
| THR 215 | Makeup Design | 3 credits |
| THR 223 | Basic TV Studio Production | 3 credits |
| THR 355 | Lighting I | 3 credits |
| THR 491 | Production for Majors | 4 credits |

(One of the following:)

| | | |
|---------|--|-----------|
| THR 461 | American Theatre History | 3 credits |
| THR 465 | Theatre History I (5 th Century, B.C.-1700) | 3 credits |
| THR 466 | Theatre History II (1700-Present) | 3 credits |

Requisite Courses: Nine credits with the approval of the major advisor, including six credits from the FPA Department and three credits of 300-level or above from other departments.

*Performance Track***(All of the following:)**

| | | |
|---------|--------------------------------------|-----------|
| THR 154 | Costume Construction | 3 credits |
| THR 335 | Audition Technique | 3 credits |
| THR 341 | Play Direction and Script Analysis I | 3 credits |
| THR 499 | Senior Thesis | 3 credits |

(One of the following:)

| | | |
|---------|--|-----------|
| THR 461 | American Theatre History | 3 credits |
| THR 465 | Theatre History I (5 th Century, B.C.-1700) | 3 credits |
| THR 466 | Theatre History II (1700-Present) | 3 credits |

(Three of the following:)

| | | |
|---------|---------------------------------------|-----------|
| THR 330 | Acting II | 3 credits |
| THR 333 | Improvisational Theatre | 3 credits |
| THR 432 | Actor's Lab | 3 credits |
| THR 441 | Play Direction and Script Analysis II | 3 credits |

Six additional theatre credits at the 200-400 level. 6 credits

*Technical Track***(All of the following:)**

| | | |
|---------|--------------------------------------|-----------|
| THR 154 | Costume Construction | 3 credits |
| THR 341 | Play Direction and Script Analysis I | 3 credits |
| THR 493 | Internship in Theatre | 3 credits |
| THR 499 | Senior Thesis | 3 credits |

(One of the following, not taken in the required THR courses above:)

| | | |
|---------|--|-----------|
| THR 461 | American Theatre History | 3 credits |
| THR 465 | Theatre History I (5 th Century, B.C.-1700) | 3 credits |
| THR 466 | Theatre History II (1700- Present) | 3 credits |

(Two of the following:)

| | | |
|---------|------------------|-----------|
| THR 253 | Drafting I | 3 credits |
| THR 351 | Scenic Design I | 3 credits |
| THR 357 | Costume Design I | 3 credits |

Nine additional theatre credits at the 200-400 level. 9 credits

THEATRE MINOR

Program Description: The Theatre minor offers broad-based education in the theatrical arts while giving some specificity through electives. Experiences in acting, directing, theatre history, television, stagecraft, and design are included in study options.

Contact: Coordinator of Theatre, Department of Fine and Performing Arts

(All of the following:)

| | | |
|---------|--------------|-----------|
| THR 131 | Acting I | 3 credits |
| THR 153 | Stagecraft I | 3 credits |

(One of the following:)

| | | |
|---------|--------------------------------------|-----------|
| THR 341 | Play Direction and Script Analysis I | 3 credits |
| THR 342 | The Art of Television Directing | 3 credits |

(One of the following:)

| | | |
|---------|------------------------------------|-----------|
| THR 154 | Costume Construction | 3 credits |
| THR 215 | Make-up Design | 3 credits |
| THR 223 | Basic Television Studio Production | 3 credits |
| THR 355 | Lighting Design I | 3 credits |

(One of the following:)

| | | |
|---------|--|-----------|
| THR 458 | Performance, Directing and Production Lab | 3 credits |
| THR 461 | American Theatre History | 3 credits |
| THR 465 | Theatre History I: 5 th Century BC – 1700 | 3 credits |
| THR 466 | World Theatre History II: 1700 – Present | 3 credits |

Three additional credits in theatre chosen with Theatre Coordinator 3 credits

Teacher Certification

Students who think they may teach Drama in secondary schools must consult with the Education Department, with the Fine and Performing Arts Department, and with the appropriate agency in the state in which they intend to teach.

Certificate Programs in University College

This department does not offer a certificate program in Theatre to students in University College.

For all THR courses, please refer to page 472.

GRAPHIC DESIGN, See Department of Journalism, Media and Computing, page 160.

HEALTH ADMINISTRATION AND POLICY

Program Director: Judith Lee Kissell
Program Office: Hixson-Lied G09

Program Description: The Health Administration and Policy Program is an interdisciplinary program designed to provide the undergraduate student with a broad understanding of healthcare management and an awareness of the key issues facing the healthcare world. This program is designed to provide students with the opportunity to build a solid understanding of healthcare institutions, management processes, public policy, social and ethical issues.

Web Contact/Information: Additional information about this program may be found at <http://www.creighton.edu/ccas/healthadminpolicy/>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN HEALTH ADMINISTRATION AND POLICY

Specific Requirements for Admission to the Health Administration and Policy Major: Successful completion of HAP 200 with a grade of C or better and sophomore standing.

B. S., Major in Health Administration and Policy: 45 Credits**(All of the following:)***Health Issues Core*

| | | |
|---------|---|-----------|
| HAP 200 | Introduction to Healthcare Administration | 3 credits |
| HAP 310 | Health Finance and Budgeting | 3 credits |
| HAP 315 | Healthcare, Society and Culture | 3 credits |
| HAP 334 | Public Policy and Healthcare | 3 credits |
| HAP 515 | Law and Health Systems | 3 credits |

Methodology and Quantitative Skills

| | | |
|---------|---|-----------|
| HAP 312 | Quantitative Methods in the Social Sciences | 3 credits |
|---------|---|-----------|

Internship

| | | |
|---------|--|-----------|
| HAP 485 | Internship in Health Administration and Policy | 3 credits |
|---------|--|-----------|

Management Core

| | | |
|---------|--|-----------|
| ACC 201 | Introduction to Financial Accounting | 3 credits |
| HAP 331 | Managing the Public and Non-Profit Sectors | 3 credits |

(One of the following:)

| | | |
|---------|--|-----------|
| COM 314 | Managerial Communication | 3 credits |
| MGT 301 | Managerial Process and Organizational Behavior | 3 credits |

*Ethics***(One of the following:)**

| | | |
|---------|----------------------|-----------|
| HAP 457 | Biomedical Ethics | 3 credits |
| HAP 456 | Public Health Ethics | 3 credits |

(Two of the following covering distinctly different management topics*:)

| | | |
|---------|---|-----------|
| BIA 253 | Management and Information Systems | 3 credits |
| BIO 401 | Biostatistics | 4 credits |
| COM 360 | Organizational Communication | 3 credits |
| EDP 361 | Social Justice in the Dominican Republic** | 6 credits |
| HAP 314 | Statistics for the Social Sciences | 4 credits |
| HAP 317 | Global Health Issues | 3 credits |
| HAP 520 | Statistical Methods for Public Administration | 3 credits |
| HAP 350 | The Essentials of Public Health | 3 credits |
| HAP 355 | Essentials of Epidemiology | 3 credits |
| MGT 351 | Personnel/Human Resources Management | 3 credits |
| MKT 319 | Principles of Marketing | 3 credits |
| MTH 363 | Elementary Probability and Statistics | 3 credits |
| MTH 513 | Probability And Statistics in the Health Sciences | 3 credits |

Six additional credits between HAP 400 and HAP 440. 6 credits

*or other courses with the consent of the Program Director.

**taught in the Dominican Republic

PUBLIC HEALTH MINOR

Program Description: The minor in Public health acquaints students with the science of preventing disease, prolonging life and promoting healthy life styles both in this country and abroad. Public health includes the study of the causes and distribution of disease frequency in human populations and interventions aimed at minimizing risk factors and preventing disease at the population level. This discipline studies community efforts for improving the environment, containing community infections, addressing the social determinants of health and developing the social machinery to maintaining the health of a population.

Contact: Director, Health Administration and Policy Program

(All of the following:)

| | | |
|---------|---------------------------------|-----------|
| HAP 350 | The Essentials of Public Health | 3 credits |
| HAP 355 | Essentials of Epidemiology | 3 credits |

(One of the following:)

| | | |
|---------|----------------------|-----------|
| HAP 456 | Public Health Ethics | 3 credits |
| HAP 457 | Biomedical Ethics | 3 credits |

(One of the following:)

| | | |
|---------|--|-----------|
| HAP 420 | Seminar in Health Policy | 3 credits |
| HAP 317 | Global Health Issues | 3 credits |
| EDP 361 | Social Justice in the Dominican Republic** | 6 credits |
| PLS 319 | Politics of the Developing Areas | 3 credits |
| PLS 435 | Global Poverty and Development | 3 credits |

(One of the following:)

| | | |
|---------|--|-----------|
| HAP 312 | Quantitative Methods in the Social Sciences | 3 credits |
| HAP 314 | Statistics for the Social Sciences | 4 credits |
| HAP 315 | Healthcare, Society and Culture | 3 credits |
| HAP 420 | Seminar in Health Policy | 3 credits |
| HAP 433 | Public Policy Analysis | 3 credits |
| ANT 307 | Demography: World Population Issues | 3 credits |
| ANT 340 | Native American Cultures and Health | 3 credits |
| ANT 363 | Medical Anthropology | 3 credits |
| ANT 383 | Cultural Epidemiology: Global Perspectives | 3 credits |
| SOC 355 | Environment and Society: Sociological Perspectives | 3 credits |
| SOC 455 | Food, Society and Environment | 3 credits |
| PLS 333 | Environmental Politics and Policy | 3 credits |
| PLS 433 | Public Policy Analysis | 3 credits |

(One of the following:)

| | | |
|---------|---|-----------|
| BIO 149 | Human Biology | 3 credits |
| BIO 351 | Microbiology | 4 credits |
| BIO 390 | Environmental Science | 3 credits |
| BIO 401 | Biostatistics | 4 credits |
| BIO 432 | Immunology | 3 credits |
| BIO 539 | Ecology of Zoonotic Diseases | 3 credits |
| BIO 581 | Evolution | 4 credits |
| HAP 331 | Managing the Public and Non-Profit Sectors | 3 credits |
| HAP 334 | Public Policy and Health Care | 3 credits |
| MTH 363 | Elementary Probability and Statistics | 3 credits |
| MTH 513 | Probability and Statistics in the Health Sciences | 3 credits |
| SWK 261 | Introduction to Social Welfare | 3 credits |

**taught in the Dominican Republic

Note: HAP majors may minor in Public Health as long as they take at least two courses listed above that are not part of their HAP major requirement.

HEALTH ADMINISTRATION AND POLICY MINOR

Program Description: The minor in Health Administration and Policy is a program of interdisciplinary education structured to help students understand administration and policy issues as they relate to healthcare institutions. The minor is helpful to students who seek to understand the healthcare system either for personal use or as an adjunct to a career in one of the healthcare professions.

Contact: Director, Health Administration and Policy Program

(All of the following:)

HAP 200 Introduction to Healthcare Administration 3 credits

(One of the following:)

HAP 315 Healthcare, Society and Culture 3 credits

HAP 411 Seminar in Health Care Administration 3 credits

HAP 413 Service and HR in Healthcare 3 credits

(One of the following:)

HAP 334 Public Policy and Healthcare 3 credits

NUR 354 Power, Politics, and Policy in Health Care 3 credits

Three additional courses chosen from HAP courses numbered 300 or above. 9 credits

Certificate Programs in University College

This program offers one certificate program to students in University College: *Health Administration and Policy Certificate*. See the description of this certificate on page 272 in the University College section of the Bulletin.

For all HAP courses, please refer to page 380.

**HISTORY**

Chair: Tracy N. Leavelle

Department Office: Creighton Hall, Room 330

Associate Professors: J. Calvert, E. Dugan, E. Elliot-Meisel, H. Fryer, T. Leavelle, R. Super;
Assistant Professors: S. Eastman, B. McEwen, M. Hawkins.

Department Description: The Department of History provides students with historical perspective and insight into the issues, events, ideas, and values that constitute the human experience. This includes the study of a variety of societies and cultures, and teaching the essential analytic research and communication skills necessary to stimulate creative and critical thinking, and provide an ethical context for dealing with an increasingly complex world.

Web Contact/Information: Additional information about this department may be found at <http://puffin.creighton.edu/hist/index.htm>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN HISTORY

Specific Requirements for Admission to the History Major: Successful completion of HIS 101.

B.A., Major in History: 36 Credits*Course Requirements***(All of the following:)**

HIS 101 The Modern Western World 3 credits

HIS 300 Historiography 3 credits

HIS 311 United States History to 1877 3 credits

HIS 312 United States History Since 1877 3 credits

HIS 400 Research Methods in History 3 credits

HIS 500 Senior Seminar 3 credits

(One of the following:)

HIS 103 The Asian World 3 credits

HIS 104 The Latin American World 3 credits

HIS 106 The African World 3 credits

HIS 107 The Middle Eastern World 3 credits

HIS 108 The Native American World 3 credits

Fifteen additional credits of HIS 300 level or above. 15 credits

While the student may concentrate in any area of history, he/she is encouraged to take a minimum of 6 credits of non-United States history.

Knowledge of a modern foreign language is strongly recommended for all history majors. Those majors specializing in International Relations (see below) or preparing for graduate school should go beyond the College of Arts and Sciences requirement for graduation in their principal foreign language and/or begin a second language.

International Relations Specialization

As an alternative to the 15 additional credits of 300 level or above, students may specialize in this area by taking a minimum of 15 credits selected from:

(Fifteen credits from the following:)

HIS 347 The Arab-Israeli Conflict: Struggle for Holy Land 3 credits

HIS 371 Mexico and the Mexican Revolution 3 credits

HIS 375 The United States and Latin America 3 credits

HIS 388 Origins of Modern Africa 3 credits

HIS 395 Selected Topics* 3 credits

HIS 417 20th Century Europe 3 credits

HIS 484 Nationalist Movements in Colonial Africa 3 credits

HIS 489 Southern Africa: The Politics of Race 3 credits

HIS 493 Directed Independent Readings* 1-3 credits

HIS 497 Directed Independent Research* 1-3 credits

HIS 547 Postwar Europe 3 credits

| | | |
|---------|---|-----------|
| HIS 548 | Russia's Revolutions | 3 credits |
| HIS 551 | The Rise and Fall of Europe's Empires | 3 credits |
| HIS 562 | Foreign Relations of the U.S., 1898-1945 | 3 credits |
| HIS 563 | Foreign Relations of the U.S. Since 1945 | 3 credits |
| HIS 565 | The United States and Canada | 3 credits |
| HIS 566 | U.S. and the Middle East since WWII | 3 credits |
| HIS 567 | Change and Revolution in the Modern Middle East | 3 credits |
| HIS 577 | Cuba under Castro | 3 credits |
| HIS 595 | Special Problems in the History of INR* | 3 credits |

*As pre-approved by Department Chair.

EUROPEAN STUDIES MINOR

Program Description: The minor in European Studies is a broad interdisciplinary program whose aim is to promote understanding of Western Europe, while also exploring the diversity of its many cultures by exploring the historical experience, literary and cultural expressions, and material and political course of the region.

Contact: Chair, Department of History

History

(Two of the following:)

| | | |
|---------|--|-------------|
| HIS 321 | Tudor and Stuart England | 3 credits |
| HIS 395 | Selected Topics* | 3 credits |
| HIS 407 | The Early Middle Ages | 3 credits |
| HIS 408 | The High and Late Middle Ages | 3 credits |
| HIS 409 | The Crusades: A Mirror of Medieval Society | 3 credits |
| HIS 411 | The Renaissance | 3 credits |
| HIS 412 | The Reformation | 3 credits |
| HIS 413 | Absolutism, Reason, and Revolt, 1648-1789 | 3 credits |
| HIS 415 | 19th Century Europe | 3 credits |
| HIS 417 | 20th Century Europe | 3 credits |
| HIS 421 | The Vikings | 3 credits |
| HIS 493 | Directed Independent Readings* | 1-3 credits |
| HIS 497 | Directed Independent Research* | 1-3 credits |
| HIS 535 | Modern Russian Cultural History | 3 credits |
| HIS 544 | History of Ireland | 3 credits |
| HIS 545 | Modern France | 3 credits |
| HIS 546 | Modern Germany | 3 credits |
| HIS 547 | Postwar Europe | 3 credits |
| HIS 548 | Russia's Revolutions | 3 credits |
| HIS 551 | The Rise and Fall of Europe's Empires | 3 credits |
| HIS 595 | Special Problems in the History of INR* | 3 credits |

Philosophy/ Political Science

(One of the following:)

| | | |
|-------------|------------------------------------|-----------|
| PHL 373 | History of Modern Philosophy | 3 credits |
| PHL 374 | History of 19th-Century Philosophy | 3 credits |
| PHL/PLS 459 | Marxism | 3 credits |
| PLS 401 | The European Union | 3 credits |

Literature

(One of the following:)

| | | |
|---------|---|-----------|
| ENG 340 | English Literature I: Medieval/Early Renaissance | 3 credits |
| ENG 341 | English Literature II: Late Renaissance/Neo-Classical | 3 credits |
| ENG 342 | English Literature III: Romantic/Victorian | 3 credits |
| ENG 330 | Introduction to Irish Literature | 3 credits |
| ENG 430 | Studies in Irish Literature | 3 credits |
| ENG 431 | Irish Drama | 3 credits |

| | | |
|---------|---|-----------|
| ENG 432 | The Irish Renaissance | 3 credits |
| ENG 433 | Contemporary Irish Literature | 3 credits |
| ENG 436 | Studies in Irish Literary History and Culture | 3 credits |
| ENG 450 | Contemporary British Literature | 3 credits |
| FRN 327 | French Literature before the French Revolution | 3 credits |
| FRN 328 | French Literature after the French Revolution | 3 credits |
| FRN 522 | French Civilization before the French Revolution | 3 credits |
| FRN 524 | French Civilization after the French Revolution | 3 credits |
| FRN 525 | Paris, Ville du Monde (Paris City of the World) | 3 credits |
| GER 317 | German Literature and Civilization I | 3 credits |
| GER 318 | German Literature and Civilization II | 3 credits |
| GER 328 | Studies in Contemporary German Culture | 3 credits |
| GER 525 | The New Berlin | 3 credits |
| GER 568 | The Multiplicity of German Culture | 3 credits |
| GER 572 | Reading German Films | 3 credits |
| SPN 421 | Civilization and Culture of Spain | 3 credits |
| SPN 427 | Survey of Peninsular Literature | 3 credits |
| SPN 541 | Medieval Spanish Literature | 3 credits |
| SPN 544 | Spanish Peninsular Narrative | 3 credits |
| SPN 549 | Twentieth-Century Spanish Drama | 3 credits |
| SPN 568 | Multicultural Spain through Letters, Politics, Theater and Film | 3 credits |

History of Art

(One of the following:)

| | | |
|---------|---|-----------|
| ARH 369 | Medieval Art and Architecture | 3 credits |
| ARH 375 | History of Italian Renaissance Art and Architecture | 3 credits |
| ARH 377 | Seventeenth-Century Art and Architecture | 3 credits |
| ARH 394 | Modern European Art, 1900-1945 | 3 credits |

One additional course chosen from the lists above.

*As pre-approved by Department Chair.

HISTORY MINOR

Program Description: The History minor provides students with historical perspective and insight into the issues, events, ideas, and values that constitute the human experience. Students will demonstrate an understanding of the discipline of History, its methods and purposes. Students will learn the necessary analytic and communication skills to think critically about a variety of societies and cultures. Students will have the tools to integrate their understanding of the human experience across the academic community and their community at large.

Contact: Chair, Department of History

(All of the following:)

Eighteen credits in HIS courses numbered 300 and above.* 18 credits

*College of Business Administration/School of Nursing students are required to have at least three credits in the non-Western World, 100-level or above.

*As pre-approved by Department Chair.

Teacher Certification

Students who think they may teach History in secondary schools must consult with the Education Department, with the History Department, and with the appropriate agency in the state in which they intend to teach.

Certificate Programs in University College

This department does not offer a certificate program to students in University College.

For all HIS courses, please refer to page 482.

HONORS PROGRAM

Interim Program Director: Jeffrey P. Hause;
Interim Assistant Director: Erika Moreno
Program Office: Brandeis 101

Program Description: Rooted in the university's Christian, Catholic, and Jesuit traditions, the Honors Program relies on the belief, articulated by Pope John Paul II, that "the united endeavor of intelligence and faith will enable people to come to the full measure of their humanity." Its goal is to foster a community committed to the ongoing education of students and faculty members as fellow seekers for truth. The program seeks individuals of all faiths and backgrounds who are intelligent, well prepared academically, highly motivated, and academically adventurous. The curriculum then immerses these students in an academically rigorous but flexible program of study guided by a faculty mentor who is charged with paying special attention to the personal dimension of learning. The program ultimately understands itself as a fellowship of inquiry whose individual members have dedicated themselves without reserve to love of learning.

The curriculum involves the following key elements:

Foundational Sequence. Honors students take three courses (9 credits) in their first three semesters that introduce them to the Christian, Catholic, and Jesuit intellectual traditions that lie at the heart of a Creighton education within the context of Western civilization and of the pluralistic world we inhabit.

Sources and Methods Courses. Honors students take five courses (15-20 credits) that induce them to think critically about information, assumptions, and arguments found in multiple forms of academic and cultural discourse. Several such courses are offered each semester in a range of academic disciplines.

Honors Senior Perspectives Course. Honors students are required to take a Senior Perspectives (SRP) course, and may select any such course offered in the College.

Senior Independent Research Project. Honors students are required to demonstrate their capacity for advanced, self-directed, individual work by completing an approved project within their major(s). They undertake these projects under the guidance of assigned faculty mentors and present their findings during a campus-wide "Honors Day."

Mentoring and Learning Plan. All of the above elements are incorporated into Learning Plans, developed individually by Honors students in close consultation with assigned faculty mentors. The mentoring process shapes Honors students into confident, independent learners who take active roles in their own education, and expect the most of themselves. Through their individualized Learning Plans, Honors students integrate their backgrounds and interests with the strengths and Mission of the University and the College. As a general principle, these four-year Learning Plans include courses distributed among the areas of fine arts, foreign languages, history, literature, mathematics, natural science, philosophy, social science, and theology. Students' Learning Plans are reviewed and approved by their faculty mentors and by the Program Director. While Honors students are expected, therefore, to excel in all areas that characterize a Creighton undergraduate education, fulfillment of these goals is determined on an individual basis rather than by the more structured curricular requirements that apply to other students.

Admission to the Honors Program is by invitation from the Honors Program Advisory Board (or the Honors Program Director or the Dean). Invitations to the Honors Program are sent to those students whose applications to the Creighton College of Arts and Sciences suggest that they would be strong candidates for admission to the Honors Program.

Good Standing. Once admitted to the Honors Program, students must continue to meet the following standards in order to remain in good standing in the program:

1. They must make acceptable progress towards fulfilling the requirements of the Honors Program. Ordinarily, this means that they should have completed at least six (6) credit hours of Honors courses by the end of their freshman year, 12 by the end of their sophomore year, and 18 by the end of their junior year.
2. They must maintain a GPA of at least 3.3 for all courses taken at Creighton.
3. They must maintain a GPA of at least 3.0 for all Honors courses taken at Creighton. (This Honors-specific GPA will not be computed until a student has completed at least two Honors courses.)

Honors students found not to be in good standing will be notified and given one semester to remedy the situation. Failure to do so may result in their dismissal from the Honors Program.

Limited Tuition Waiver. Honors students in good standing are not charged tuition beyond the standard full-time tuition for a given semester, for up to 20 credit hours, subject to Dean's Office Approval.

For all HRS courses, please refer to page 392.



JOURNALISM, MEDIA AND COMPUTING

Chair: Eileen M. Wirth

Department Office: Hitchcock Communication Arts Building, Room 209

Professor: D. Doll, S.J., E. M. Wirth; Professor Emeritus: D. Haberman.

Associate Professors: J. Davies, T. Guthrie, J. Maciejewski, D. Reed, M. Wierman, C. Zuegner; Assistant Professors: K. Boyle.

Department Description: The Department of Journalism, Media and Computing prepares students for professional careers and/or graduate study in a wide range of mass media and computing fields including, news, public relations, advertising, photography, graphic design, and software development. Courses emphasize development of strong writing, critical thinking, visual communication and multimedia skills. Students gain experience through internships, *The Creightonian* newspaper-both in print and online, and student professional organizations.

Web Contact/Information: Additional information about this department may be found at <http://jmc.creighton.edu>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN JOURNALISM, MEDIA AND COMPUTING

Specific Requirements for Admission to the Informatics and Computing Science Major: None; **Specific Requirements for Admission to the Digital Design Major:** None; **Specific Requirements for Admission to the Graphic Design Major:** None; **Specific Requirements for Admission to the Computer Science Major:** None; **Specific Requirements for Admission to the Journalism Major:** None.

B.S., Major in Informatics and Computing Science: 38 Credits

Journalism, Media and Computing Common Core

| | | |
|---------|---|-----------|
| CSC 121 | Computers and Scientific Thinking | 3 credits |
| GDE 382 | Web Design | 3 credits |
| JRM 215 | Introduction to Mass Communication Technology | 2 credits |

(One of the following:)

| | | |
|---------|----------------------|-----------|
| JRM 219 | Media Writing | 3 credits |
| JRM 220 | Professional Writing | 3 credits |

Major Specific Courses

(All of the following:)

| | | |
|---------|-------------------------------|-----------|
| CSC 221 | Introduction to Programming | 3 credits |
| CSC 222 | Object-Oriented Programming | 3 credits |
| CSC 321 | Data Structures | 3 credits |
| CSC 414 | Computer Organization | 3 credits |
| CSC 421 | Algorithm Design and Analysis | 3 credits |
| CSC 599 | Senior Capstone | 3 credits |

(One of the following:)

| | | |
|---|-----------------------|-----------|
| CSC 533 | Programming Languages | 3 credits |
| CSC 548 | Software Engineering | 3 credits |
| Two 400-level-or-above computer science courses | | 6 credits |

B.S., Major in Digital Design and Development: 38 Credits

Journalism, Media and Computing Common Core

| | | |
|---------|---|-----------|
| CSC 121 | Computers and Scientific Thinking | 3 credits |
| GDE 382 | Web Design | 3 credits |
| JRM 215 | Introduction to Mass Communication Technology | 2 credits |

(One of the following:)

| | | |
|---------|----------------------|-----------|
| JRM 219 | Media Writing | 3 credits |
| JRM 220 | Professional Writing | 3 credits |

Major Specific Courses

(All of the following:)

| | | |
|---------|-------------------------------|-----------|
| CSC 221 | Introduction to Programming | 3 credits |
| CSC 551 | Web Programming | 3 credits |
| CSC 581 | Mobile App Development | 3 credits |
| GDE 380 | Graphic Design I | 3 credits |
| GDE 423 | Interactive Multimedia Design | 3 credits |
| JRM 325 | Digital Video | 3 credits |

(One of the following:)

| | | |
|---------|-----------------------------|-----------|
| CSC 222 | Object-Oriented Programming | 3 credits |
| CSC 444 | Human Computer Interaction | 3 credits |

(One of the following:)

| | | |
|---------|--------------|-----------|
| JRM 327 | Social Media | 3 credits |
| JRM 438 | Media Ethics | 3 credits |

(One of the following:)

| | | |
|---------|-----------------|-----------|
| CSC 599 | Senior Capstone | 3 credits |
| GDE 599 | Senior Capstone | 3 credits |

B.A., Major in Graphic Design: 38 Credits

Journalism, Media and Computing Common Core

| | | |
|---------|---|-----------|
| CSC 121 | Computers and Scientific Thinking | 3 credits |
| GDE 382 | Web Design | 3 credits |
| JRM 215 | Introduction to Mass Communication Technology | 2 credits |

(One of the following:)

| | | |
|---------|----------------------|-----------|
| JRM 219 | Media Writing | 3 credits |
| JRM 220 | Professional Writing | 3 credits |

Major Specific Courses

(All of the following:)

| | | |
|---------|--------------------------------|-----------|
| GDE 380 | Graphic Design I | 3 credits |
| GDE 381 | Graphic Design II | 3 credits |
| GDE 423 | Interactive Multimedia Design | 3 credits |
| GDE 424 | Typography | 3 credits |
| GDE 425 | 3D Graphics and Animation | 3 credits |
| GDE 599 | Senior Capstone | 3 credits |
| JRM 325 | Digital Video | 3 credits |
| JRM 335 | History of American Mass Media | 3 credits |

(One of the following:)

| | | |
|---------|---------------------------|-----------|
| JRM 438 | Media Ethics | 3 credits |
| JRM 529 | Law of Mass Communication | 3 credits |

B. A., Major in Journalism: 38 Credits*Journalism, Media and Computing Common Core*

| | | |
|---------|---|-----------|
| CSC 121 | Computers and Scientific Thinking | 3 credits |
| GDE 382 | Web Design | 3 credits |
| JRM 215 | Introduction to Mass Communication Technology | 2 credits |

(One of the following:)

| | | |
|---------|----------------------|-----------|
| JRM 219 | Media Writing | 3 credits |
| JRM 220 | Professional Writing | 3 credits |

Major Specific Courses:

The following courses are required for all tracks. Students must choose one track.

(All of the following:)

| | | |
|---------|--------------------------------|-----------|
| GDE 380 | Graphic Design I | 3 credits |
| JRM 335 | History of American Mass Media | 3 credits |
| JRM 438 | Media Ethics | 3 credits |
| JRM 529 | Law of Mass Communication | 3 credits |

*Advertising Track***(All of the following:)**

| | | |
|---------|---------------------------|-----------|
| JRM 313 | Principles of Advertising | 3 credits |
| JRM 331 | Editing | 3 credits |
| JRM 347 | Advertising Campaigns I | 3 credits |
| JRM 433 | Advertising Copy Writing | 3 credits |
| JRM 440 | Media Research | 3 credits |

*New Media Track***(All of the following:)**

| | | |
|---------|---------------------------------------|-----------|
| GDE 425 | 3D Graphics and Animation | 3 credits |
| JRM 325 | Digital Video | 3 credits |
| JRM 450 | Advanced Digital Video | 3 credits |
| JRM 500 | Final Cut Studio Master Certification | 6 credits |

(One of the following:)

| | | |
|---------|-------------------------------|-----------|
| GDE 423 | Interactive Multimedia Design | 3 credits |
| JRM 327 | Social Media | 3 credits |

*News Track***(All of the following:)**

| | | |
|---------|--------------------------|-------------|
| JRM 331 | Editing | 3 credits |
| JRM 440 | Media Research | 3 credits |
| JRM 477 | Advanced News Production | 1-3 credits |

(One of the following:)

| | | |
|---------|-------------------|-----------|
| JRM 325 | Digital Video | 3 credits |
| JRM 375 | Photojournalism I | 3 credits |

(One of the following three writing classes:)

| | | |
|---------|--------------------|-----------|
| JRM 321 | Advanced Reporting | 3 credits |
| JRM 322 | Feature Writing | 3 credits |
| JRM 326 | Sportswriting | 3 credits |

*Photo Journalism Track***(All of the following:)**

| | | |
|---------|---|-----------|
| JRM 325 | Digital Video | 3 credits |
| JRM 375 | Photojournalism I | 3 credits |
| JRM 378 | Photojournalism II: Picture Editing | 3 credits |
| JRM 377 | Photojournalism III: Editorial Illustration | 3 credits |
| JRM 450 | Advanced Digital Video | 3 credits |

*Public Relations Track***(All of the following:)**

| | | |
|---------|--------------------------------|-----------|
| JRM 323 | Principles of Public Relations | 3 credits |
| JRM 331 | Editing | 3 credits |
| JRM 341 | Public Relations Writing | 3 credits |
| JRM 440 | Media Research | 3 credits |

(One of the following:)

| | | |
|---------|----------------------------|-----------|
| JRM 327 | Social Media | 3 credits |
| JRM 350 | Public Relations Campaigns | 3 credits |
| JRM 375 | Photojournalism I | 3 credits |

Teacher Certification

Students who think they may teach Journalism in secondary schools must consult with the Education Department, the Journalism, Media and Computing Department, and the appropriate agency in the state in which they intend to teach.

For all JRM courses, please refer to page 400. For all CSC courses, please refer to page 335. For all GDE courses, please refer to page 376.



JUSTICE AND PEACE STUDIES

Program Director: Roger Bergman
Program Office: Creighton Hall, Room 425A

Program Description: The Justice and Peace Studies Program offers a JPS minor and, with the Department of Sociology and Anthropology, a major in Justice and Society (see the following section). Both minor and major consist of a multidisciplinary series of courses integrating community service, analysis, and reflection in the context of a faith that does justice and seeks a more peaceful world.

Web Contact/Information: Additional information about this program may be found at <http://www.creighton.edu/ccas/socant/programs/justice/>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAM IN JUSTICE AND PEACE STUDIES

JUSTICE AND PEACE STUDIES MINOR

Program Description: The minor in Justice & Peace Studies consists of a multidisciplinary series of courses integrating community service learning, social analysis, and ethical knowledge and reflection in the context of a faith that does justice and seeks a more peaceful world. It is a response to the challenge of Fr. Peter-Hans Kolvenbach, S.J., Superior General of the Society of Jesus, to "educate the whole person of solidarity for the real world." It is premised on Fr. Kolvenbach's insight that "personal involvement with innocent suffering, with the injustices others suffer, is the catalyst for solidarity which then gives rise to intellectual inquiry and moral reflection."

Contact: Director, Justice and Peace Studies Program

(All of the following:)

| | | |
|---------|-----------------------------------|-----------|
| JPS 365 | Faith and Moral Development* | 3 credits |
| JPS 565 | Catholic Social Teaching | 3 credits |
| JPS 588 | Christian Ethics of War and Peace | 3 credits |
| JPS 499 | Senior Seminar | 3 credits |

*Service Learning*****(One of the following:)**

| | | |
|---------|---|-----------|
| JPS 343 | Ecclesiology in Global Context | 3 credits |
| JPS 361 | Social Justice in the Dominican Republic*** | 6 credits |
| JPS 465 | Faith and Political Action | 3 credits |
| JPS 470 | Poverty in America | 3 credits |
| SWK 261 | Introduction to Social Welfare | 3 credits |
| THL 342 | The Church in the Dominican Republic | 3 credits |

*Social Science***(One of the following:)**

| | | |
|---------|---|-----------|
| ECO 203 | Introductory Microeconomics | 3 credits |
| ECO 479 | Seminar in Economics | 3 credits |
| PLS 435 | Global Poverty and Development | 3 credits |
| PLS 481 | Poverty, Development, and Public Policy | 3 credits |
| SOC 102 | Social Problems | 3 credits |
| SOC 411 | Social Inequality and Stratification | 3 credits |
| SRP 455 | Food, Society and Environment | 3 credits |
| SRP 465 | Faith and Political Action | 3 credits |
| SRP 481 | Poverty, Development and Public Policy | 3 credits |

* Members of the Cortina Community can substitute one credit of JPS 265 toward JPS 365.

** Sections of PHL 250 and THL 250 offered exclusively for members of the Cortina Community satisfy the JPS service learning requirement.

*** If JPS 361 is taken to fulfill the Service Learning component, Social Science is not required.

For all JPS courses, please refer to page 403.

JUSTICE AND SOCIETY

Program Director: Roger Bergman
Program Office: Creighton Hall, Room 425A

Program Description: The major in Justice and Society combines requirements for the minors in Sociology and Anthropology and Justice and Peace Studies, with support from other departments. Most JAS courses are crosslisted from other departments and programs. Consult those listings for course descriptions. The JAS major, which may be completed with a Sociology, Anthropology, Native American Studies, or Criminal Justice focus, requires 37 credit hours.

Web Contact/Information: Additional information about this program may be found at <http://www.creighton.edu/ccas/socant/programs/justice/>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAM IN JUSTICE AND SOCIETY

Specific Requirements for Admission to the Justice and Society Major: Completion of SOC 101, SOC 102, ANT 111 or NAS 101 with a grade of "C" or better, plus 3 credits in a Sociology or Anthropology course with a grade of "C" or better.

B. A. Major in Justice and Society: 37 Credits*Sociology/Anthropology***(All of the following:)**

| | | |
|---------|--|-----------|
| SOC 312 | Quantitative Research Methods in the Social Sciences | 3 credits |
| SOC 314 | Statistics for the Social Sciences | 4 credits |
| SOC 301 | Social and Cultural Theory | 3 credits |

*Justice and Peace Studies***(All of the following:)**

| | | |
|---------|-----------------------------------|-----------|
| JPS 365 | Faith and Moral Development* | 3 credits |
| JPS 499 | Senior Seminar | 3 credits |
| JPS 565 | Catholic Social Teaching | 3 credits |
| JPS 588 | Christian Ethics of War and Peace | 3 credits |

*Service Learning*****(One of the following:)**

| | | |
|---------|--|-----------|
| JPS 343 | Ecclesiology in Global Context | 3 credits |
| JPS 361 | Social Justice in the Dominican Republic | 6 credits |
| JPS 465 | Faith and Political Action | 3 credits |
| JPS 470 | Poverty in America | 3 credits |
| SWK 261 | Introduction to Social Welfare | 3 credits |

*Elective courses***(One of the following:)**

| | | |
|---------|---|-----------|
| ANT 111 | Introduction to Anthropology | 3 credits |
| NAS 101 | Introduction to Native American Studies | 3 credits |
| SOC 101 | Introduction to Sociology: Self and Society | 3 credits |
| SOC 102 | Introduction to Sociology: Social Problems | 3 credits |

Six additional elective credits in SOC and/or ANT chosen in consultation with the JAS Director, plus one of the following:

| | | |
|---------|--|-----------|
| ECO 203 | Introductory Microeconomics | 3 credits |
| ECO 479 | Seminar in Economics | 3 credits |
| EDP 361 | Social Justice in the Dominican Republic | 6 credits |
| PHL 348 | Philosophy of Feminism | 3 credits |
| PHL 358 | Social and Political Philosophy | 3 credits |
| PLS 333 | Environmental Politics And Policy | 3 credits |
| PLS 435 | Global Poverty and Development | 3 credits |
| PLS 481 | Poverty, Development, and Public Policy | 3 credits |
| PSY 428 | Multicultural Issues in Psychology | 3 credits |
| SRP 435 | Literature, Philosophy and Economics | 3 credits |
| SRP 465 | Faith and Political Action | 3 credits |
| SRP 470 | Poverty in America | 3 credits |
| SWK 261 | Introduction to Social Welfare | 3 credits |

* Members of the Cortina Community can substitute one credit of JPS 265 toward JPS 365.

** Sections of PHL 250 and THL 250 offered exclusively for members of the Cortina Community satisfy the JAS service learning requirement.

MATHEMATICS

Chair: Randall Crist
Department Office: Old Gym, Room 230

Professors: S. Cheng, D. Malik, J. Mordeson, L. Nielsen; Professor Emeritus: D. Fuller;
Associate Professors: J. Carlson, R. Crist, N. Fong;
Assistant Professors: C. Farthing.

Department Description: Mathematics is the study of quantity and space and the symbolism associated with them.

Web Contact/Information: Additional information about this department may be found at <http://mth.creighton.edu>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN MATHEMATICS

Specific Requirements for Admission to the Mathematics Major: Students desiring to major in mathematics should apply to the department and be assigned a major advisor after completing MTH 245 or MTH 246 or its equivalent.

B.S., Major in Mathematics: 21 Credits

Course Requirements

(All of the following:)

| | | |
|---------|-----------------------------|-----------|
| MTH 310 | Fundamentals of Mathematics | 3 credits |
| MTH 347 | Calculus III | 3 credits |
| MTH 529 | Linear Algebra | 3 credits |
| MTH 545 | Differential Equations | 3 credits |
| MTH 581 | Modern Algebra I | 3 credits |
| MTH 591 | Analysis I | 3 credits |

Three additional 500-level credits arranged with department approval. 3 credits

Requisite Courses: Twelve 300-500-level credits (approved by the major advisor) in one or more departments (which could include mathematics).

B.S. Mth., Major in Mathematics: 21-33 Credits

The B.S.Mth. degree is recommended to students wishing to pursue graduate study in mathematics.

Pure Mathematics Track

(All of the following:)

| | | |
|---------|-----------------------------|-----------|
| MTH 310 | Fundamentals of Mathematics | 3 credits |
| MTH 347 | Calculus III | 3 credits |
| MTH 529 | Linear Algebra | 3 credits |
| MTH 545 | Differential Equations | 3 credits |
| MTH 581 | Modern Algebra I | 3 credits |
| MTH 591 | Analysis I | 3 credits |

Fifteen additional 400-500-level credits in mathematics. 15 credits

Up to six 300-500-level computer science or statistics credits may be substituted for 500-level mathematics courses.

Medical Mathematics Track

(All of the following:)

| | | |
|---------|---|-----------|
| MTH 310 | Fundamentals of Mathematics | 3 credits |
| MTH 347 | Calculus III | 3 credits |
| MTH 513 | Probability and Statistics in the Health Sciences | 3 credits |
| MTH 529 | Linear Algebra | 3 credits |
| MTH 545 | Differential Equations | 3 credits |
| MTH 547 | Mathematics in Medicine and the Life Sciences | 3 credits |
| MTH 571 | Operations Research | 3 credits |

Requisite Courses: MTH 581 or MTH 591 and Nine 300-500-level credits (approved by the major advisor) in one or more departments (which could include mathematics). The following courses are highly recommended: BIO 317, CHM 341, CHM 443, MTH 583.

MATHEMATICS MINOR

Program Description: Mathematicians study concepts and theories used to solve problems involving quantitative relationships. Opportunities for mathematically-oriented graduates exist in such areas as physics, engineering, space technology, economics, business management, statistics, actuarial sciences, operations research, medical research, environmental sciences, and teaching. The Mathematics minor prepares graduates for positions in industry and teaching or to continue their education in graduate programs.

Contact: Chair, Department of Mathematics

(All of the following:)

| | | |
|---------|------------------------|-----------|
| MTH 245 | Calculus I | 4 credits |
| MTH 246 | Calculus II | 4 credits |
| MTH 529 | Linear Algebra | 3 credits |
| MTH 545 | Differential Equations | 3 credits |

Two additional MTH courses numbered 300 or above. 4 credits

MATHEMATICAL LOGIC MINOR

Program Description: Mathematical logic is the study of the processes used in mathematical deduction. It has origins in philosophy. This is because the usual rules for inference and deduction can only be shown by nonmathematical argument. The program of study will examine the nature of formal systems including first-order and second-order logic. Methods of proof will be studied. Much of mathematical logic is based on the assumption that the notion of a set is unambiguous. This assumption was noticed not to be true over a century ago. Fuzzy set theory replaces the yes/no statement of set membership with a qualitative predicate. Related fields will be open to study, e.g., Algebraic Logic. Applications to Law will be featured.

Contact: Chair, Department of Mathematics

(All of the following:)

| | | |
|---------|-----------------------------|-----------|
| MTH 245 | Calculus I | 4 credits |
| MTH 310 | Fundamentals of Mathematics | 3 credits |
| PHL 312 | Symbolic Logic | 3 credits |
| MTH 572 | Fuzzy Logic | 3 credits |

(Two of the following:)

| | | |
|---------|----------------------------------|-----------|
| PHL 201 | Introduction to Logic | 3 credits |
| PHL 469 | Contemporary Analytic Philosophy | 3 credits |
| MTH 581 | Modern Algebra I | 3 credits |
| MTH 583 | Fuzzy Mathematics | 3 credits |
| MTH 591 | Analysis I | 3 credits |

Teacher Certification

Students who think they may teach Mathematics must consult with the Education Department, with the Mathematics Department, and with the appropriate agency in the state in which they intend to teach.

Certificate Program in University College

This department offers one certificate program to students in University College. See the description for this certificate on page 273 in the University College section of the Bulletin.

For all MTH courses, please refer to page 408.

MILITARY SCIENCE

Chair: Michael Vick

Department Office: Military Science Building, Room 110

Professor: M. Vick;

Assistant Professors: E. Adams, T. Holub, M. Marvin, C. Whitehurst.

Department Description: The Army Reserve Officers' Training Corps (ROTC), as it exists today, began with President Wilson signing the National Defense Act of 1916. Army ROTC at Creighton University was authorized by the War Department in 1919. The program is a cooperative effort contractually agreed to by the Army and Creighton University as a means of providing officer leadership for the United States Army. As one of the premier Army ROTC programs in the country, the department's mission is to educate, train, develop, and inspire students to become officers and leaders of character for the U.S. Army and the nation. The program does this through a combination of classroom instruction, leadership laboratories, and experiential learning opportunities focused on developing the mind, body, and spirit of students. These opportunities are designed specifically to enhance character and leadership ability in the students/Cadets and to allow them to practice the essential components of leadership: influencing, acting, and improving. Students become members of the Blackwolves Battalion and complete a planned and managed sequence of classroom courses and practical exercises intended to develop each into what an officer must be; a leader of character, a leader with presence, and a leader of intelligence to enable them to reach their full potential as individuals and as effective leaders of groups. The program affords students an excellent opportunity to serve and focuses on the role of Army officers in the preservation of peace and national security, with particular emphasis placed on ethical conduct and the officer's responsibility to society to lead, develop themselves and others, and achieve success. The experience culminates with Cadets earning commissions as Second Lieutenants in the Active Army, United

States Army Reserve, or United States Army National Guard. As an organization committed to lifelong learning, participants may elect to pursue one of the Army's numerous opportunities for follow-on postgraduate study as well. Creighton's Military Science Program is an elective two-year or four-year program.

Web/Contact Information: Additional information may be found at <http://www.creighton.edu/armyrotc>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes: <http://www.creighton.edu/Registrar>.

PROGRAMS IN MILITARY SCIENCE

Special Requirements for Admission to the Military Science program: Department permission required to enter the advanced courses.

Army ROTC Military Science Course Requirements (20-21 Credits)**Army ROTC Military Science Basic Courses****Nursing Students Only****(All of the following:)**

| | | |
|---------|--|-----------|
| MIL 103 | Foundation of Officership and Basic Leadership | 2 credits |
| MIL 213 | Military Science and Leadership | 2 credits |

All other students**(All of the following:)***MIL I year*

| | | |
|---------|--|----------|
| MIL 100 | Leadership Laboratory | 0 credit |
| MIL 101 | Introduction to Officer Professionalism I | 1 credit |
| MIL 102 | Introduction to Officer Professionalism II | 1 credit |

MIL II year

| | | |
|---------|--|-----------|
| MIL 200 | Leadership Laboratory II | 0 credits |
| MIL 211 | Basic Individual Leadership Techniques | 2 credit |
| MIL 212 | Advance Individual Leadership Techniques | 2 credit |



Army ROTC Military Science Advanced Courses**Nursing Students Only**

| | | |
|---------|----------------------------|-----------|
| MIL 352 | ROTC Nurse Summer Training | 3 credits |
|---------|----------------------------|-----------|

All students**(All of the following:)**

| | | |
|---------|---|-----------|
| MIL 300 | Leadership Laboratory III | 0 credits |
| MIL 301 | Fundamentals of Small Unit Tactics and Leadership | 3 credits |
| MIL 302 | Advanced Small Unit Leadership and Tactics | 3 credits |
| MIL 351 | Leadership Development Assessment Course | 3 credits |
| MIL 400 | Leadership Laboratory I | 1 credits |
| MIL 401 | Military Professionalism and Ethics | 2 credits |
| MIL 402 | Military Management Seminar | 2 credits |

(Optional Courses:)

| | | |
|---------|---|-------------|
| MIL 207 | Fundamentals of Army Ranger Training | 2 credits |
| MIL 208 | Advanced Army Ranger Training | 2 credits |
| MIL 215 | United States Military History | 3 credits |
| MIL 493 | Directed Independent Readings | 1-3 credits |
| MIL 494 | Directed Independent Study and Seminar I | 1-3 credits |
| MIL 495 | Directed Independent Study and Seminar II | 1-3 credits |

MILITARY SCIENCE MINOR

Program Description: The Military Science minor is designed for those students who desire to enhance their education by providing unique management and leadership instruction coupled with practical exercise. This program is designed to develop leadership and management skills basic to success as a leader in a civilian career or in the US Army.

Contact: Chair, Department of Military Science

(All of the following:)

Successful completion of the Creighton University ROTC program.

For all MIL courses, please refer to page 412.

MODERN LANGUAGES AND LITERATURES

Chair: Julian Arribas

Department Office: Humanities Center, Room 216

Professor: J. Arribas; Professor Emeritus: A. Gommermann;
Associate Professors: T. Coffey, R. Recio, E. Rodrigo, I. Santiago-Stommes;
Associate Professor Emerita: G. Romero-Downing;
Assistant Professors: O. Böhlke, J. McClanahan, R. Spangler, D. Vanderboegh;
Assistant Professor Emeritus: D. Gibbs.

Department Description: The Department provides for its major and minor students in French, German and Spanish, and minor students in Italian, programs of study that are conducive to developing competence in the spoken and written language, with a broad and deep knowledge of the literature and culture of the target languages. The Department offers to its students of Chinese, Japanese and Russian a program of study conducive to developing competence in the spoken and written language with insights into the culture of the target languages.

Web Contact/Information: Additional information about this department may be found at <http://www.creighton.edu/ml>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN FRENCH AND FRANCOPHONE STUDIES

Specific Requirements for Admission to the French Major: Completion of FRN 202, FRN 311 or FRN 315 with a grade of "C" or better.

B.A., Major in French and Francophone Studies: 27 Credits*Course Requirements***(At least 27 credits from the following groups:)***Group A: Advanced Language Skills*

| | | |
|----------|-----------------------------------|-----------|
| FRN 311 | Advanced French I | 3 credits |
| FRN 312 | Advanced French II | 3 credits |
| FRN 335* | French Conversation | 1 credit |
| FRN 411 | Advanced Spoken French | 3 credits |
| FRN 412 | Advanced Written French | 3 credits |
| FRN 530 | Introduction to Literary Analysis | 3 credits |
| FRN 599 | Senior Seminar | 3 credits |

Group B: Professional Skills and Culture

| | | |
|---------|--|-----------|
| FRN 314 | Business French Communication | 3 credits |
| FRN 522 | French Civilization Before the French Revolution | 3 credits |
| FRN 524 | French Civilization After the French Revolution | 3 credits |
| FRN 525 | Paris, Ville du monde (travel course) | 3 credits |

Group C: Literature and the Arts

| | | |
|---------|--|-------------|
| FRN 540 | French Literature: Middle Ages | 3 credits |
| FRN 542 | French Literature: Renaissance | 3 credits |
| FRN 543 | French Literature: 17th Century | 3 credits |
| FRN 544 | French Literature: 18th Century | 3 credits |
| FRN 548 | French Literature: 19th Century | 3 credits |
| FRN 549 | French Literature: 20th Century | 3 credits |
| FRN 550 | La littérature francophone africaine | 3 credits |
| FRN 551 | Women Writers in French and Francophone Literature | 3 credits |
| FRN 554 | Le Roman français | 3 credits |
| FRN 557 | French Poetry | 3 credits |
| FRN 564 | History of the French Language | 3 credits |
| FRN 572 | French Cinema | 3 credits |
| FRN 575 | Directed Independent Readings | 1-3 credits |

* May be repeated to a limit of 3 credits.

Study Abroad

A minimum of 15 semester hours towards the major must be taken at Creighton. Students returning from studying abroad and majoring in French and Francophone studies must take the Senior Seminar (FRN 599) in their final semester.

FRENCH AND FRANCOPHONE STUDIES MINOR

Program Description: The French and Francophone Studies Minor offers students the opportunity to explore the broad interdisciplinary field of the language and cultures of the French-speaking world. The Minor, designed to complement the students' areas of specialization, will allow them to develop the linguistic and cultural proficiency necessary to function in regions where French is spoken. In addition to obtaining a greater mastery of all language skills (reading, writing, comprehension, speaking), students will acquire and apply terminology specific to their field. Moreover, this program will help students understand the geopolitical significance of the Francophone world. Thus, the Minor will not only develop students' analytical skills, but also teach them to recognize, negotiate, and appreciate cultural difference.

Contact: Chair, Department of Modern Languages and Literatures

(At least 18 credits from the following groups:)*Group A: Language and Culture*

| | | |
|---------|------------------------|-----------|
| FRN 201 | Intermediate French I | 3 credits |
| FRN 202 | Intermediate French II | 3 credits |
| FRN 311 | Advanced French I | 3 credits |

Group B: Specialized French Communication

| | | |
|----------|--------------------------------|-----------|
| FRN 312 | Advanced French II | 3 credits |
| FRN 314 | Business French Communication | 3 credits |
| FRN 335* | French Conversation | 1 credit |
| FRN 411 | Advanced Spoken French | 3 credits |
| FRN 412 | Advanced Written French | 3 credits |
| FRN 564 | History of the French Language | 3 credits |

Group C: French Literature and Culture

| | | |
|---------|--|-----------|
| FRN 522 | French Civilization before the French Revolution | 3 credits |
| FRN 524 | French Civilization after the French Revolution | 3 credits |
| FRN 525 | Paris, Ville du monde (study abroad) | 3 credits |
| FRN 530 | Introduction to Literary Analysis | 3 credits |
| FRN 549 | French Literature: 20th Century | 3 credits |
| FRN 554 | Le Roman français | 3 credits |
| FRN 557 | French Poetry | 3 credits |
| FRN 572 | French Cinema | 3 credits |

Group D: Francophone Literature and Culture Courses

| | | |
|---------|--|-----------|
| FRN 530 | Introduction to Literary Analysis | 3 credits |
| FRN 550 | La littérature francophone africaine | 3 credits |
| FRN 551 | Women Writers in French and Francophone Literature | 3 credits |

* May be repeated to a limit of 3 credits.

Study Abroad

A minimum of 15 semester hours towards the minor must be taken at Creighton.

Teacher Certification

Students who think they may teach French in secondary schools must consult with the Education Department, with the Modern Languages and Literatures Department, and with the appropriate agency in the state in which they intend to teach.

Certificate Programs in University College

This department does not offer a certificate program in French to students in University College.

For all FRN courses, please refer to page 372.

PROGRAMS IN GERMAN STUDIES

Specific Requirements for Admission to the German Studies Major: Completion of GER 202 or GER 303 with a grade of "C" or better.

B.A., Major in German Studies: 27 Credits*Course Requirements***(All of the following:)**

| | | |
|---------|---------------------------------------|-----------|
| GER 303 | German Literature and Civilization I | 3 credits |
| GER 304 | German Literature and Civilization II | 3 credits |
| GER 497 | Directed Independent Research | 3 credits |

(Six credits from each of the following groups:)*Group A: Travel and Culture*

| | | |
|----------|------------------------------------|-----------|
| GER 321 | German for Business and Economics | 3 credits |
| GER 328 | Studies in Contemp. German Culture | 3 credits |
| GER 335* | German Conversation | 1 credit |
| GER 495 | Directed Independent Study | 3 credits |
| GER 525 | The New Berlin (travel course) | 3 credits |
| GER 568 | The Multiplicity of German Culture | 3 credits |

Group B: Literature and Film

| | | |
|---------|---|-----------|
| GER 411 | Introduction to German Literature | 3 credits |
| GER 493 | Directed Independent Readings | 3 credits |
| GER 527 | German Literature of the 19th Century | 3 credits |
| GER 529 | Contemporary German Literature | 3 credits |
| GER 545 | German "Novelle": 19th and 20th Centuries | 3 credits |
| GER 572 | Reading German Films | 3 credits |

(Six additional credits chosen from Groups A or B, or from the following courses:)

| | | |
|---------|------------------------------------|-----------|
| GER 374 | History of 19th Century Philosophy | 3 credits |
| GER 401 | The European Union | 3 credits |
| GER 459 | Marxism | 3 credits |
| PLS 301 | Western European Political Systems | 3 credits |

* May be repeated to a limit of 3 credits.

Study Abroad

A minimum of 15 semester hours towards the major must be taken at Creighton.

*GERMAN STUDIES MINOR***Program Description:**

The German Studies Minor offers students the opportunity to explore the broad interdisciplinary field of German and German-speaking Europe. The Minor, which will complement students' areas of specialization, will allow them to attain proficiency in all language skills (reading, writing, speaking, and listening). It will also give students an optimal framework for attaining a solid foundation of knowledge, experience, and skills that will help them understand the culture, literature, and history of the German-speaking countries. Moreover, the Minor will help students understand the transatlantic relationship and prepare them to approach productively the challenges facing our increasingly global world. The Minor not only develops students' analytic skills but also teaches them to recognize, negotiate, and appreciate cultural difference.

Contact: Chair, Department of Modern Languages and Literatures

(All of the following:)*Group A: Language and Culture*

| | | |
|---------|---------------------------------------|-----------|
| GER 201 | Intermediate German I | 3 credits |
| GER 202 | Intermediate German II | 3 credits |
| GER 303 | German Literature and Civilization I | 3 credits |
| GER 304 | German Literature and Civilization II | 3 credits |

(At least three credits chosen from each of the following groups:)*Group B: Literature and Film*

| | | |
|---------|---|-----------|
| GER 411 | Introduction to German Literature | 3 credits |
| GER 527 | German Literature of the Nineteenth Century | 3 credits |
| GER 529 | Contemporary German Literature | 3 credits |
| GER 545 | German "Novelle": 19th and 20th Centuries | 3 credits |
| GER 572 | Reading German Films | 3 credits |

Group C: Cultural Studies

| | | |
|----------|--|-----------|
| GER 321 | German for Business and Economics | 3 credits |
| GER 328 | Studies in Contemporary German Culture | 3 credits |
| GER 335* | German Conversation | 1 credit |
| GER 525 | The New Berlin (travel course) | 3 credits |
| GER 568 | The Multiplicity of German Culture | 3 credits |

* May be repeated to a limit of 3 credits.

Study Abroad

A minimum of 15 semester hours towards the minor must be taken at Creighton.

Certificate Programs in University College

This department does not offer a certificate program in German to students in University College.

For all GER courses, please refer to page 374.

*PROGRAM IN ITALIAN STUDIES**ITALIAN MINOR*

Program Description: The Minor in Italian Studies offers students the opportunity to explore the interdisciplinary field of Italian and Italian speaking Europe. While complementing the students' areas of specialization, particularly in the fields of Italian art and architecture, it will allow them to develop proficiency in all Italian language skills. In addition, this program will broaden their comprehension of Italian culture and help them negotiate cultural differences within Italy and Italian society.

Contact: Chair, Department of Modern Languages and Literatures

(Eighteen credits from the following):**Group A: Language and Culture*

| | | |
|---------|-------------------------|-----------|
| ITA 201 | Intermediate Italian I | 3 credits |
| ITA 202 | Intermediate Italian II | 3 credits |
| ITA 311 | Advanced Italian I | 3 credits |
| ITA 335 | Italian Practicum** | 1 credit |

Group B: Italian Literature and Culture (in Italian)

| | | |
|---------|---|-----------|
| ITA 328 | Studies in Contemporary Italian Culture | 3 credits |
| ITA 411 | Introduction to Italian Literature | 3 credits |
| ITA 572 | Italian History and Society in Italian Cinema | 3 credits |

Group C: Italian Art and Architecture (in English)

| | | |
|---------|---|-----------|
| ITA 525 | Rome: Strolling in the Eternal City (travel course) | 3 credits |
| ITA 366 | Etruscan and Roman Art | 3 credits |
| ITA 375 | History of Italian Renaissance Art and Architecture | 3 credits |
| ITA 377 | Seventeenth-Century Art and Architecture | 3 credits |
| ITA 461 | The City of Rome | 3 credits |
| ITA 465 | The City of Rome Since Antiquity | 3 credits |

* Students must take at least three credits from each group.

** May be repeated to a limit of 3 credits.

Study Abroad

A minimum of 15 semester hours towards the minor must be taken at Creighton.

PROGRAMS IN SPANISH AND HISPANIC STUDIES

Specific Requirements for Admission to the Spanish Major: Completion of SPN 201 or higher with a grade of "C" or better.

B. A., Major in Spanish and Hispanic Studies: 30 Credits

Course Requirements: The following Spanish courses are required for both the Literary and the Professional tracks. In addition, the student must choose one track.

(All of the following:)

SPN 425 Introduction to Literary Analysis 3 credits

(One of the following):*

SPN 202 Intermediate Spanish II 3 credits

SPN 203 Intermediate Hispanic Culture and Civilization 3 credits

(Nine credits from the following):**

SPN 311 Advanced Spanish I 3 credits

SPN 312 Spanish Grammar in Context 3 credits

SPN 313 Advanced Spanish Conversation 3 credits

SPN 314 Communicating in Business I 3 credits

SPN 316 Spanish Immersion I (travel course) 3 credits

SPN 317 Spanish Immersion II (travel course) 3 credits

SPN 331 Medical Spanish I 3 credits

SPN 335 Spanish Conversation *** 1 credit

SPN 340 Special Topics in Hispanic Cultures 3 credits

(Six credits from the following:)

SPN 401 Advanced Spanish Composition 3 credits

SPN 421 Civilization and Culture of Spain 3 credits

SPN 422 Latin-American Culture and Civilization 3 credits

SPN 423 Encuentro Hispano I (travel course) 3 credits

SPN 424 Encuentro Español I (travel course) 3 credits

* Students placed at the 300 level or above may not take this course for credit in major.

** Students placed at the 300 level may take four of these courses (12 credits) in Major Advanced Students may replace 300 with 400 level courses with departmental permission

*** May be repeated to a limit of 3 credits.

Professional Track**(Nine credits from the following:)**

SPN 426 Survey of Latin-American Literature 3 credits

SPN 427 Survey of Peninsular Literature 3 credits

SPN 430 Communicating in Business II 3 credits

SPN 431 Medical Spanish II 3 credits

SPN 496 Independent Study in the D.R. (travel course) 3 credits

SPN 502 Advanced Spanish Translation 3 credits

SPN 525 Encuentro Español II (travel course) 3 credits

SPN 528 Encuentro Hispano II 3 credits

SPN 540 Eighteenth and Nineteenth-Century Spanish Literature 3 credits

SPN 541 Medieval Spanish Literature 3 credits

SPN 542 Golden Age Spanish Literature 3 credits

SPN 543 Don Quixote 3 credits

SPN 545 Fifteenth-Century Sentimental Novel 3 credits

SPN 547 Nineteenth-Century Spanish Novel 3 credits

SPN 550 Literature of the Colonial Period 3 credits

SPN 551 The Latin-American Novel 3 credits

SPN 552 The Latin-American Short Story 3 credits

SPN 554 Twentieth-Century Latin-American Poetry 3 credits

SPN 555 Twentieth-Century Latin-American Theater 3 credits

| | | |
|---------|--|-------------|
| SPN 556 | Understanding the Latin-American Boom | 3 credits |
| SPN 559 | Contemporary Peninsular Spanish Literature | 3 credits |
| SPN 560 | Contemporary Latino(a) Literature | 3 credits |
| SPN 561 | From the Generation of 1898 to the Avant-Garde | 3 credits |
| SPN 563 | Feminine Voices from Latin-America and Spain | 3 credits |
| SPN 564 | History of the Spanish Language | 3 credits |
| SPN 565 | Nineteenth-Century Latin-American Novel | 3 credits |
| SPN 568 | Multicultural Spain | 3 credits |
| SPN 570 | Contemporary Peninsular Cinema | 3 credits |
| SPN 571 | Latin-American Film | 3 credits |
| SPN 595 | Directed Independent Readings | 1-3 credits |
| SPN 599 | Senior Seminar | 3 credits |

Literary Track**(Nine credits from the following:)**

| | | |
|---------|--|-------------|
| SPN 426 | Survey of Latin-American Literature | 3 credits |
| SPN 427 | Survey of Peninsular Literature | 3 credits |
| SPN 496 | Independent Study in the D.R. (travel course) | 3 credits |
| SPN 525 | Encuentro Español II (travel course) | 3 credits |
| SPN 528 | Encuentro Hispano II | 3 credits |
| SPN 540 | Eighteenth and Nineteenth-Century Spanish Literature | 3 credits |
| SPN 541 | Medieval Spanish Literature | 3 credits |
| SPN 542 | Golden Age Spanish Literature | 3 credits |
| SPN 543 | Don Quixote | 3 credits |
| SPN 545 | Fifteenth-Century Sentimental Novel | 3 credits |
| SPN 547 | Nineteenth-Century Spanish Novel | 3 credits |
| SPN 550 | Literature of the Colonial Period | 3 credits |
| SPN 551 | The Latin-American Novel | 3 credits |
| SPN 552 | The Latin-American Short Story | 3 credits |
| SPN 554 | Twentieth-Century Latin-American Poetry | 3 credits |
| SPN 555 | Twentieth-Century Latin-American Theater | 3 credits |
| SPN 556 | Understanding the Latin-American Boom | 3 credits |
| SPN 559 | Contemporary Peninsular Spanish Literature | 3 credits |
| SPN 560 | Contemporary Latino(a) Literature | 3 credits |
| SPN 561 | From the Generation of 1898 to the Avant-Garde | 3 credits |
| SPN 563 | Feminine Voices from Latin-America and Spain | 3 credits |
| SPN 564 | History of the Spanish Language | 3 credits |
| SPN 565 | Nineteenth-Century Latin-American Novel | 3 credits |
| SPN 568 | Multicultural Spain | 3 credits |
| SPN 570 | Contemporary Peninsular Cinema | 3 credits |
| SPN 571 | Latin-American Film | 3 credits |
| SPN 595 | Directed Independent Readings | 1-3 credits |
| SPN 599 | Senior Seminar | 3 credits |

*Students majoring or co-majoring in Secondary School Teaching Endorsement 7-12 may substitute three credit hours of student teaching for one 500 level literature course other than SPN 599.

Study Abroad

A minimum of 18 semester hours towards the major must be taken at Creighton.

SPANISH AND HISPANIC STUDIES MINOR

Program Description: The Spanish and Hispanic Studies Minor offers students the opportunity to explore the broad interdisciplinary field of the language and cultures of the Spanish-speaking world. The Minor, designed to complement the students' areas of specialization, will allow them to develop the linguistic and cultural proficiency necessary to work professionally in the United States and in all Spanish-speaking countries while making significant contributions to their communities. In addition to obtaining a greater mastery of all language skills (reading, writing, comprehension, speaking), students will acquire and apply terminology specific to their field. Finally, the Minor, in introducing students to diverse Hispanic literatures and cultures, will not only develop their analytical skills, but also teach them to recognize, negotiate, and appreciate cultural difference.

Contact: Chair, Department of Modern Languages and Literatures

(One of the following):*

| | | |
|---------|--|-----------|
| SPN 202 | Intermediate Spanish II | 3 credits |
| SPN 203 | Intermediate Hispanic Culture and Civilization | 3 credits |

(Nine credits from the following):**

| | | |
|---------|--------------------------------------|-----------|
| SPN 311 | Advanced Spanish I | 3 credits |
| SPN 312 | Spanish Grammar in Context | 3 credits |
| SPN 313 | Advanced Spanish Conversation | 3 credits |
| SPN 314 | Communicating in Business I | 3 credits |
| SPN 316 | Spanish Immersion I (travel course) | 3 credits |
| SPN 317 | Spanish Immersion II (travel course) | 3 credits |
| SPN 331 | Medical Spanish I | 3 credits |
| SPN 335 | Spanish Conversation *** | 1 credit |
| SPN 340 | Special Topics in Hispanic Cultures | 3 credits |

(Six credits from the following:)

| | | |
|---------|---|-----------|
| SPN 401 | Advanced Spanish Composition | 3 credits |
| SPN 421 | Civilization and Culture of Spain | 3 credits |
| SPN 422 | Latin-American Culture and Civilization | 3 credits |
| SPN 423 | Encuentro Hispano I (travel course) | 3 credits |
| SPN 424 | Encuentro Español I (travel course) | 3 credits |

Note: Students must take at least five courses taught in Spanish towards their minor.

* Students placed at the 300 level or above may not take this course for credit in major.

** Students placed at the 300 level may take four of these courses (12 credits) in Major Advanced Students may replace 300 with 400 level courses with departmental permission

*** May be repeated to a limit of 3 credits.

Study Abroad

A minimum of 12 semester hours towards the minor must be taken at Creighton.

Teacher Certification

Students who think they may teach Spanish in secondary schools must consult with the Education Department, with the Modern Languages and Literatures Department, and with the appropriate agency in the state in which they intend to teach.

Certificate Programs in University College

This department does not offer a certificate program in Spanish to students in University College.

For all SPN courses, please refer to page 467.

NATIVE AMERICAN STUDIES

Program Director: Raymond A. Bucko, S.J.

Program Office: Creighton Hall, Room 437

Program Description: Native Studies is multi-disciplinary in nature, drawing on a wide range of faculty from throughout the College of Arts and Sciences. Each faculty member has extensive experience, cares for students and has enthusiasm for learning and teaching. Each is also committed to collaboration with Native peoples and those who work with them whether students, professionals, or local community members.

Web Contact/Information: Additional information about this program may be found at <http://puffin.creighton.edu/NAS>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAM IN NATIVE AMERICAN STUDIES

Specific Requirements for Admission to the Native American Studies Major: Completion of NAS 101 Introduction to Native American Studies, with a minimum of a "C" grade.

B.A., Major in Native American Studies: 33 Credits*Course Requirements***(All of the following:)**

| | | |
|---------|--|-----------|
| NAS 101 | Introduction to Native American Studies | 3 credits |
| NAS 108 | The Native American World | 3 credits |
| NAS 316 | Qualitative Methods for the Social Sciences | 3 credits |
| NAS 324 | Native American World View, Culture and Values | 3 credits |
| NAS 343 | Peoples and Cultures of Native North America | 3 credits |
| NAS 365 | Issues of the Native American Experience | 3 credits |
| NAS 499 | Native American Studies Senior Capstone | 3 credits |

(One from each of the following groups:)*Group A: Art and Communications*

| | | |
|---------|--|-----------|
| NAS 319 | Art International: Art Culture of Global Community | 3 credits |
| NAS 325 | Digital Video | 3 credits |
| NAS 375 | Photojournalism I | 3 credits |
| NAS 377 | Editorial Illustration | 3 credits |
| NAS 378 | Photojournalism II | 3 credits |
| NAS 386 | History and Aesthetics of Latin American Photography | 3 credits |
| NAS 387 | Modern Hispanic Art History | 3 credits |
| NAS 468 | Native American Art | 3 credits |

Group B: Tribal Institutions, Policy and Governmental Relations

| | | |
|---------|--|-----------|
| NAS 321 | American Indian Tribal Government and Politics | 3 credits |
| NAS 335 | Federal Indian Policy and Law | 3 credits |

Group C: Historical and Area Studies

| | | |
|---------|---------------------------------------|-----------|
| NAS 331 | Indians of the Great Plains | 3 credits |
| NAS 346 | Peoples and Cultures of Latin America | 3 credits |

Group D: Cultural Explorations

| | | |
|---------|---|-----------|
| NAS 340 | Native American Culture and Health | 3 credits |
| NAS 353 | Introduction to Native American Literature | 3 credits |
| NAS 358 | Critical Issues in Study of Native American Religions | 3 credits |

NATIVE AMERICAN STUDIES MINOR

Program Description: The Native American Studies minor introduces students to Native North American history, culture, identity, and a wide variety of contemporary social and political issues. Students engage in a multidisciplinary program that opens them to understanding the long history of Native peoples and the complex sets of interactions with immigrant peoples around them.

Contact: Director, Native American Studies Program

(All of the following:)

| | | |
|---------|--|-----------|
| NAS 101 | Introduction to Native American Studies | 3 credits |
| NAS 108 | The Native American World | 3 credits |
| NAS 365 | Issues of Native American Experience | 3 credits |
| | Nine additional credits from any NAS courses numbered 200 and above. | 9 credits |

Certificate Programs in University College

This program does not offer a certificate program to students in University College.

For all NAS courses, please refer to page 421.

PHILOSOPHY

Chair: Kevin Graham

Associate Chair: Eugene E. Selk

Department Office: Humanities Center, Room 105

Professors: J. Carlson, R. Feezell, P. Murray, W. Stephens (secondary appointment), R. White;
Associate Professors: J. Abrams, E. Cooke, K. Graham, J. Hause (secondary appointment),

J. Schuler, E. Selk, J. Yuan;

Resident Assistant Professor: J. Kissell;

Assistant Professors: M. Brown, A. Ozar, R. Romero, S.J., A. Wendling.

Department Description: The Department of Philosophy at Creighton University is concerned to arouse and sustain a sense of wonder in students, to acquaint them with the main problems and historical periods in philosophy, to help them form the habit of rigorous and clear thinking, and to prepare them to make philosophically mature decisions during the course of a lifetime.

Web Contact/Information: Additional information about this department including a tentative schedule of course offerings, may be found at <http://www2.creighton.edu/ccas/philosophy/>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www2.creighton.edu/registrar>.

PROGRAMS IN PHILOSOPHY

Specific Requirements for Admission to the Philosophy Major: At least a "C" in the prerequisite course: PHL 107. A GPA of 2.00 or better in philosophy courses completed at the time of application.

B.A., Major in Philosophy: 36 Credits*Course Requirements***(All of the following:)**

| | | |
|---------|---|-----------|
| PHL 107 | Critical and Historical Introduction to Philosophy | 3 credits |
| PHL 250 | Philosophical Foundations for Ethical Understanding | 3 credits |
| PHL 320 | God and Persons: Philosophical Reflections | 3 credits |
| PHL 492 | Senior Seminar for Majors | 3 credits |

(One of the following:)

| | | |
|---------|-----------------------|-----------|
| PHL 201 | Introduction to Logic | 3 credits |
| PHL 312 | Symbolic Logic | 3 credits |

(Six credits from the following:)*History of Philosophy*

| | | |
|---------|---|-----------|
| PHL 351 | Introduction to Chinese Philosophy | 3 credits |
| PHL 367 | American Philosophy | 3 credits |
| PHL 370 | History of Classical Greek Philosophy | 3 credits |
| PHL 372 | History of Medieval Philosophy | 3 credits |
| PHL 373 | History of Modern Philosophy | 3 credits |
| PHL 374 | History of 19 th -Century Philosophy | 3 credits |

(Six credits from the following:)*Problems of Philosophy*

| | | |
|---------|------------------------------------|-----------|
| PHL 321 | Epistemology | 3 credits |
| PHL 331 | Moral Philosophy | 3 credits |
| PHL 334 | Philosophy of the Natural Sciences | 3 credits |
| PHL 342 | Metaphysics | 3 credits |
| PHL 358 | Social and Political Philosophy | 3 credits |
| PHL 422 | Aesthetics | 3 credits |

Nine additional credits of PHL courses numbered 300 or above, no more than three credits of which may be crosslisted as SRP.

B.A., Major in Philosophy, Specialization in Ethics: 36 Credits*Course Requirements***(All of the following:)**

| | | |
|---------|---|-----------|
| PHL 107 | Critical and Historical Introduction to Philosophy | 3 credits |
| PHL 250 | Philosophical Foundations for Ethical Understanding | 3 credits |
| PHL 320 | God and Persons: Philosophical Reflections | 3 credits |
| PHL 331 | Moral Philosophy | 3 credits |
| PHL 492 | Senior Seminar for Majors | 3 credits |

(One of the following:)

| | | |
|---------|-----------------------|-----------|
| PHL 201 | Introduction to Logic | 3 credits |
| PHL 312 | Symbolic Logic | 3 credits |

(Six credits from the following:)*History of Philosophy*

| | | |
|---------|---|-----------|
| PHL 351 | Introduction to Chinese Philosophy | 3 credits |
| PHL 367 | American Philosophy | 3 credits |
| PHL 370 | History of Classical Greek Philosophy | 3 credits |
| PHL 372 | History of Medieval Philosophy | 3 credits |
| PHL 373 | History of Modern Philosophy | 3 credits |
| PHL 374 | History of 19 th -Century Philosophy | 3 credits |

(One of the following:)*Problems of Philosophy*

| | | |
|---------|------------------------------------|-----------|
| PHL 321 | Epistemology | 3 credits |
| PHL 334 | Philosophy of the Natural Sciences | 3 credits |
| PHL 342 | Metaphysics | 3 credits |
| PHL 358 | Social and Political Philosophy | 3 credits |
| PHL 422 | Aesthetics | 3 credits |

(Nine credits from the following:)*Ethics*

| | | |
|---------|---|-----------|
| PHL 317 | Philosophy of Sport | 3 credits |
| PHL 332 | World Philosophy | 3 credits |
| PHL 343 | Ethics and the Professions | 3 credits |
| PHL 348 | Philosophy of Feminism | 3 credits |
| PHL 354 | Environmental Ethics | 3 credits |
| PHL 355 | Science, Technology and Values | 3 credits |
| PHL 356 | Philosophy of Peace and War | 3 credits |
| PHL 358 | Social and Political Philosophy | 3 credits |
| PHL 359 | History of Ethics | 3 credits |
| PHL 360 | History of Mediaeval Ethics | 3 credits |
| PHL 365 | Classics of Political Thought | 3 credits |
| PHL 368 | Moral Psychology | 3 credits |
| PHL 435 | Literature, Philosophy, and Economics | 3 credits |
| PHL 440 | Legal Philosophy | 3 credits |
| PHL 453 | Ethics and Public Policy | 3 credits |
| PHL 455 | Health Care, Society and Values | 3 credits |
| PHL 456 | Public Health Ethics | 3 credits |
| PHL 457 | Biomedical Ethics: Philosophical & Theological Approaches | 3 credits |
| PHL 482 | Race in America: Idea and Reality | 3 credits |

*Note: No more than one course that is crosslisted as SRP may be applied to this major.

APPLIED ETHICS MINOR

Program Description: An interdisciplinary program of studies designed to provide students with an understanding of applied ethics from two perspectives, philosophy and theology. The minor introduces students to the differences and similarities in philosophical and theological approaches to applied ethics, different theories of ethics in these two disciplines, and how to relate the two.

Contact: Julia A. Fleming, Professor of Theology; Eugene Selk, Associate Professor of Philosophy

*Foundational Ethics***(All of the following:)**

| | | |
|---------|---|-----------|
| PHL 250 | Philosophical Foundations for Ethical Understanding | 3 credits |
|---------|---|-----------|

*Theological Ethics***(Two of the following:)**

| | | |
|---------|-------------------------------------|-----------|
| THL 534 | Introduction to Liberation Theology | 3 credits |
| THL 563 | Contemporary Moral Problems | 3 credits |
| THL 564 | Catholic Sexual Ethics | 3 credits |
| THL 565 | Catholic Social Teaching | 3 credits |

*Philosophical Ethics***(Two of the following:)**

| | | |
|---------|---------------------------------|-----------|
| PHL 331 | Moral Philosophy | 3 credits |
| PHL 343 | Ethics and the Professions | 3 credits |
| PHL 348 | Philosophy of Feminism | 3 credits |
| PHL 354 | Environmental Ethics | 3 credits |
| PHL 359 | History of Ethics | 3 credits |
| PHL 368 | Moral Psychology | 3 credits |
| PHL 453 | Ethics and Public Policy | 3 credits |
| PHL 455 | Health Care, Society and Values | 3 credits |

(One additional course chosen from the lists above or from the following:)

| | | |
|---------|---|-----------|
| JPS 588 | Christian Ethics of War and Peace | 3 credits |
| SRP 457 | Biomedical Ethics: Philosophical & Theological | 3 credits |
| SRP 409 | Race and Gender Relations: Moral & Ethical Dilemmas | 3 credits |
| THL 250 | Theological Foundations for Ethical Understanding | 3 credits |

HISTORY AND PHILOSOPHY OF SCIENCE MINOR

Program Description: This interdisciplinary minor introduces students to the key historical events in the emergence of science and to the philosophical debates about what counts as science, theories of scientific method, realism and anti-realism, and the role of values in science.

Contact: Eugene E. Selk, Associate Professor of Philosophy

(All of the following:)

| | | |
|---------|--|-----------|
| PHL 107 | Critical and Historical Introduction to Philosophy | 3 credits |
|---------|--|-----------|

(Three of the following:)

| | | |
|---------|---|-----------|
| BIO 141 | Charles Darwin: Life and Impact | 3 credits |
| ECO 508 | Development of Political Economy | 3 credits |
| HIS 335 | The Scientific Revolution | 3 credits |
| HIS 431 | Mathematical History, Philosophy and Ethics | 3 credits |
| PLS 362 | Conservative Political Thought | 3 credits |
| PHY 147 | Einstein and Modern Physics | 3 credits |
| PSY 424 | History and Systems of Psychology | 3 credits |
| SOC 301 | Social and Cultural Theory | 3 credits |
| SOC 335 | Technology and Human Values | 3 credits |

(Two of the following:)

| | | |
|---------|------------------------------------|-----------|
| PHL 333 | Philosophy of the Human Sciences | 3 credits |
| PHL 334 | Philosophy of the Natural Sciences | 3 credits |
| PHL 420 | Science and Religion | 3 credits |

PHILOSOPHY MINOR

Program Description: The study of philosophy involves both understanding how philosophers of the past have approached a variety of philosophical problems and understanding how a single set of related philosophical problems could be approached in a variety of different ways. Students study both the history and the problems of philosophy.

Contact: Associate Chair, Department of Philosophy

(All of the following:)

| | | |
|---------|--|-----------|
| PHL 107 | Critical and Historical Introduction to Philosophy | 3 credits |
|---------|--|-----------|

(One of the following:)*History of Philosophy*

| | | |
|---------|---|-----------|
| PHL 351 | Introduction to Chinese Philosophy | 3 credits |
| PHL 367 | American Philosophy | 3 credits |
| PHL 370 | History of Classical Greek Philosophy | 3 credits |
| PHL 372 | History of Medieval Philosophy | 3 credits |
| PHL 373 | History of Modern Philosophy | 3 credits |
| PHL 374 | History of 19 th -Century Philosophy | 3 credits |

(One of the following:)*Problems of Philosophy*

| | | |
|---------|------------------------------------|-----------|
| PHL 321 | Epistemology | 3 credits |
| PHL 331 | Moral Philosophy | 3 credits |
| PHL 334 | Philosophy of the Natural Sciences | 3 credits |
| PHL 342 | Metaphysics | 3 credits |
| PHL 358 | Social and Political Philosophy | 3 credits |
| PHL 422 | Aesthetics | 3 credits |

Nine additional credits of PHL courses numbered 300 or above, no more than three credits of which may be crosslisted as SRP.

Certificate Programs in University College

This department does not offer a certificate program to students in University College.

For all PHL courses, please refer to page 431.

PHYSICS

Chair: Janet Seger

Department Office: Hixson-Lied Science Building, Room G81

Professors: M. Cherney, J. Seger; Professor Emeriti: S. Cipolla, T. Zepf;
Associate Professors: G. Duda, M. Nichols, D. Sidebottom;
Associate Professor Emeritus: R. Kennedy;
Assistant Professors: J. Gabel, T. McShane, S.J., P. Soto.

Department Description: This degree program provides a strong foundation for careers in the rapidly developing high-tech industries. For students who complete a degree in physics, the rewards are a deep understanding of nature, unusual flexibility in the choice of a career, and exceptional strength and stability in the job market.

Web Contact/Information: Additional information about this department may be found at <http://physicsweb.creighton.edu>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN PHYSICS

Specific Requirements for Admission to the Physics Major: PHY 211* and PHY 212* or an "A" or "B" grade in PHY 211.

B.S., Major in Physics: 36 Credits

Course Requirements

(All of the following:)

| | | |
|---------|--|-----------|
| PHY 211 | General Physics I* | 4 credits |
| PHY 212 | General Physics II* | 4 credits |
| PHY 301 | Modern Physics | 3 credits |
| PHY 302 | Modern Physics Laboratory | 1 credit |
| PHY 303 | Electronics Laboratory | 1 credit |
| PHY 331 | Physical Optics | 3 credits |
| PHY 332 | Optics Laboratory | 1 credit |
| PHY 471 | Classical Mechanics | 3 credits |
| PHY 481 | Electricity and Magnetism | 3 credits |
| PHY 491 | Seminar | 1 credit |
| PHY 531 | Quantum Mechanics | 3 credits |
| PHY 541 | Thermodynamics and Statistical Mechanics | 3 credits |

Advanced Lecture Elective

(Three credits from the following:)

| | | |
|---------|--|-----------|
| PHY 351 | Physics in Medicine | 3 credits |
| PHY 353 | Introduction to Biological Physics | 3 credits |
| PHY 522 | Electric Circuits | 3 credits |
| PHY 551 | Mathematical Physics | 3 credits |
| PHY 552 | Computational Physics | 3 credits |
| PHY 558 | Relativity: The Special and General Theories | 3 credits |
| PHY 559 | Gravitation and Cosmology | 3 credits |
| PHY 561 | Nuclear Physics | 3 credits |
| PHY 563 | High Energy Nuclear Physics | 1 credit |
| PHY 571 | Condensed Matter Physics | 3 credits |
| PHY 587 | Laser Physics | 3 credits |
| PHY 595 | Special Topics | 3 credits |

Advanced Laboratory Elective

(Three credits from the following:)

| | | |
|---------|---------------------------------|-------------|
| PHY 497 | Directed Independent Research | 1-3 credits |
| PHY 562 | Nuclear Instruments and Methods | 2 credits |
| PHY 572 | Condensed Matter Laboratory | 1 credit |

Requisite Courses: MTH 245, 246, 347; additional coursework in physics, mathematics, computer science, chemistry, biology, or other sciences is recommended. Choices will depend on the specific career plans and interests of the students.

*PHY 221/223 and PHY 222/224 can be substituted for the PHY 211/212 requirement.

B.S., Major in Applied Physical Analysis: 36 Credits

Course Requirements

(All of the following:)

| | | |
|---------|----------------------------|-----------|
| PHY 211 | General Physics I* | 4 credits |
| PHY 212 | General Physics II* | 4 credits |
| PHY 471 | Classical Mechanics | 3 credits |
| PHY 591 | Seminar in Engineering | 1 credit |
| MTH 545 | Differential Equations | 3 credits |
| MTH 561 | Mathematical Statistics I | 3 credits |
| MTH 562 | Mathematical Statistics II | 3 credits |

(One of the following:)

| | | |
|---------|-----------------------------|-----------|
| CSC 221 | Introduction to Programming | 3 credits |
| PHY 553 | Computational Physics | 3 credits |

(Three credits from the following:)

| | | |
|---------|------------------------------------|-----------|
| PHY 497 | Directed Independent Research | 3 credits |
| ERG 481 | Senior Project in Energy Studies I | 3 credits |

(Nine credits from the following:)

| | | |
|---------|--|-----------|
| CSC 222 | Object-Oriented Programming | 3 credits |
| CSC 321 | Data Structures | 3 credits |
| CSC 414 | Introduction to Computer Organization | 3 credits |
| CSC 421 | Algorithm Design and Analysis | 3 credits |
| CSC 533 | Programming Languages | 3 credits |
| CSC 548 | Software Engineering | 3 credits |
| CSC 590 | Special Topics | 3 credits |
| ERG 211 | Design and Rapid Prototyping Lab I | 1 credit |
| ERG 212 | Design and Rapid Prototyping Lab II | 1 credit |
| ERG 241 | Introduction to Energy Transfer | 3 credits |
| ERG 251 | History and Technology in the Modern World | 2 credits |
| ERG 311 | Design and Rapid Prototyping Lab III | 1 credit |
| ERG 312 | Design and Rapid Prototyping Lab IV | 1 credit |
| MTH 529 | Linear Algebra | 3 credits |
| MTH 543 | Numerical Analysis | 3 credits |
| MTH 546 | Partial Differential Equations | 3 credits |
| MTH 551 | Differential Geometry | 3 credits |
| MTH 555 | Chaotic Dynamical Systems | 3 credits |
| MTH 563 | Mathematical Statistics III | 3 credits |
| MTH 571 | Operations Research | 3 credits |
| MTH 572 | Fuzzy Logic | 3 credits |
| MTH 573 | Probabilistic Models | 3 credits |
| MTH 575 | Introductory Stochastic Processes | 3 credits |
| PHY 301 | Modern Physics | 3 credits |
| PHY 303 | Electronics Laboratory | 1 credit |
| PHY 331 | Physical Optics | 3 credits |
| PHY 332 | Optics Laboratory | 1 credit |
| PHY 481 | Electricity And Magnetism | 3 credits |
| PHY 491 | Seminar | 1 credit |
| PHY 521 | Electronics for Scientists | 3 credits |
| PHY 522 | Electric Circuits | 3 credits |
| PHY 531 | Quantum Mechanics | 3 credits |
| PHY 541 | Thermodynamics And Statistical Mechanics | 3 credits |
| PHY 551 | Mathematical Physics | 3 credits |
| PHY 553 | Computational Physics | 3 credits |
| PHY 561 | Nuclear Physics | 3 credits |
| PHY 562 | Nuclear Instruments And Methods | 2 credits |
| PHY 571 | Condensed Matter Physics | 3 credits |
| PHY 572 | Condensed Matter Laboratory | 1 credit |
| PHY 587 | Laser Physics | 3 credits |

Requisite courses: MTH 245, MTH 246, MTH 347.

*PHY 221/223 and PHY 222/224 can be substituted for the PHY 211/212 requirement.

B.S. Phy., Major in Physics: 48-50 Credits*Course Requirements*

Students must complete the physics courses listed for the B.S., Major in Physics. In addition, they must complete the following courses:

(All of the following:)

Six additional credits of Advanced Lecture Elective courses 6 credits

(Six credits from the following):*

| | | |
|---------|---------------------------|-----------|
| MTH 529 | Linear Algebra | 3 credits |
| MTH 543 | Numerical Analysis | 3 credits |
| MTH 545 | Differential Equations | 3 credits |
| MTH 561 | Mathematical Statistics I | 3 credits |

* Students can satisfy this requirement by instead choosing CHM 203/204 and CHM 205/206.

Additional coursework in mathematics, computer science, chemistry, or other sciences is recommended. Courses selected will depend on specific career goals.

BIOLOGICAL PHYSICS MINOR

Program Description: The Biological Physics minor provides an opportunity to apply the concepts and methods of the physicist to advance our understanding of the life sciences. Students pursuing careers in medicine or the life sciences can use this minor to improve their preparation for the interdisciplinary nature of modern science.

Contact: Chair, Department of Physics

(All of the following:)

| | | |
|---------|---|-----------|
| BIO 211 | General Biology: Molecular and Cellular | 4 credits |
| PHY 211 | General Physics I* | 4 credits |
| PHY 212 | General Physics II* | 4 credits |
| PHY 301 | Modern Physics | 3 credits |

(One of the following:)

| | | |
|---------|------------------------------------|-----------|
| PHY 351 | Physics in Medicine | 3 credits |
| PHY 353 | Introduction to Biological Physics | 3 credits |

*PHY 221/223 and PHY 222/224 can be substituted for the PHY 211/212 requirement.

PHYSICS MINOR

Program Description: The Physics minor offers students the opportunity to obtain a thorough introduction to the theoretical and experimental methods extensively used by physical scientists and engineers. In addition to exploring the historical and philosophical development of physics from the Greeks to the modern era, the Physics minor emphasizes the development of practical quantitative problem-solving skills which are valuable for all students regardless of major.

Contact: Chair, Department of Physics

(All of the following:)

| | | |
|---------|---------------------------|-----------|
| PHY 211 | General Physics I** | 4 credits |
| PHY 212 | General Physics II** | 4 credits |
| PHY 301 | Modern Physics | 3 credits |
| PHY 302 | Modern Physics Laboratory | 1 credit |

(Six credits from the following:)

| | | |
|---------|--|---------------|
| PHY 331 | Physical Optics | 3 credits |
| PHY 332 | Optics Laboratory | 1 credit |
| PHY 471 | Classical Mechanics | 3 credits |
| PHY 481 | Electricity and Magnetism | 3 credits |
| PHY 491 | Seminar | 1 credit |
| PHY 493 | Directed Independent Readings* | 1-3 credit(s) |
| PHY 495 | Directed Independent Study* | 1-3 credit(s) |
| PHY 497 | Directed Independent Research* | 1-3 credit(s) |
| PHY 531 | Quantum Mechanics | 3 credits |
| PHY 541 | Thermodynamics and Statistical Mechanics | 3 credits |
| PHY 562 | Nuclear Instruments and Methods | 2 credits |
| PHY 595 | Special Topics | 3 credits |

*Only a total of two credits from PHY 493, 495 and 497 may be applied toward this minor.

**PHY 221/223 and PHY 222/224 can be substituted for the PHY 211/212 requirement.

Teacher Certification

Students who think they may teach Physics in secondary schools must consult with the Education Department, with the Physics Department, and with the appropriate agency in the state in which they intend to teach.

Certificate Programs in University College

This department does not offer a certificate program to students in University College.

For all PHY courses, please refer to page 437.

POLITICAL SCIENCE AND INTERNATIONAL RELATIONS

Chair: Graham P. Ramsden

Department Office: Creighton Hall, Room 430A

Professors: T. Clark, S. Crawford, J. Wunsch;

Professor Emeritus: B. Evans;

Associate Professors: P. Meeks, G. Ramsden, R. Witmer;

Associate Professor Emeritus: K. Wise;

Assistant Professors: E. Moreno, M. Jiang, S. Hendrickson.

Department Description: Political Science and International Relations examine how humans organize their societies and make collective choices. They focus on the behavior of individuals (both ordinary people and leaders) and groups, and on the institutions that humans use to make and implement public policy decisions. International Relations focuses in particular on the interactions among states and on international governance. Both examine not just “governments,” but the whole process of governing.

Web Contact/Information: Additional information about this department may be found at <http://www2.creighton.edu/ccas/politicalscience>. However, for definitive details, students are strongly encouraged to check the University’s website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN POLITICAL SCIENCE

Specific Requirements for Admission to the Political Science Major: PLS 121 or 215 are normally prerequisites for other political science courses for a department major.

B.A., Major in Political Science: 34-40 Credits

Course Requirements

The following PLS courses are required for all tracks. In addition the student must choose one track.

| | | |
|----------|--|-----------|
| PLS 121 | American Government and Politics | 3 credits |
| PLS 215 | Comparative Political Systems | 3 credits |
| PLS 310 | Political Science Research Methods | 4 credits |
| PLS 591* | Senior Research Seminar in Political Science | 3 credits |

*This course is offered only in the fall semester, and **may not** be taken on an independent study or transfer basis.

Political Science Track

A minimum of 21 additional credits in Political Science from the 200 level or above, as approved by the major advisor and from the subfields below. At least one course from each of the following five subfields:

American Government and Politics

| | | |
|---------|---|-----------|
| PLS 235 | Interest Group Politics | 3 credits |
| PLS 320 | Judicial Process | 3 credits |
| PLS 321 | American Indian Tribal Government and Politics | 3 credits |
| PLS 322 | American Presidency | 3 credits |
| PLS 323 | Campaign Management | 3 credits |
| PLS 324 | Congress and The Legislative Process | 3 credits |
| PLS 325 | American States and Regions | 3 credits |
| PLS 326 | Governing Metropolitan Areas | 3 credits |
| PLS 327 | Minority Politics in America | 3 credits |
| PLS 328 | Mass Media and American Politics | 3 credits |
| PLS 329 | Gender and Politics | 3 credits |
| PLS 331 | Managing the Public and Non-profit Sectors | 3 credits |
| PLS 420 | Seminar on American Government and Politics | 3 credits |
| PLS 421 | Public Opinion, Political Behavior, Survey Research | 3 credits |
| PLS 437 | Religion and Public Life in the United States | 3 credits |
| PLS 465 | Faith And Political Action | 3 credits |
| PLS 482 | Race in America: Idea and Reality | 3 credits |

Comparative Politics

| | | |
|---------|---|-----------|
| PLS 301 | Western European Political Systems | 3 credits |
| PLS 303 | Russia and the USSR Successor States | 3 credits |
| PLS 305 | Eastern European Political Systems | 3 credits |
| PLS 313 | Politics of Middle East | 3 credits |
| PLS 315 | Politics of Asia | 3 credits |
| PLS 316 | Government/Politics of People's Republic of China | 3 credits |
| PLS 317 | Latin American Government and Politics | 3 credits |
| PLS 319 | Politics of Developing Areas | 3 credits |
| PLS 401 | The European Union | 3 credits |
| PLS 405 | Ethnicity, Nationalism and Democracy | 3 credits |
| PLS 407 | Revolutions and Revolutionary Movements | 3 credits |
| PLS 410 | Seminar on Comparative Politics | 3 credits |
| PLS 411 | Politics of Africa | 3 credits |
| PLS 435 | Global Poverty and Development | 3 credits |
| PLS 465 | Faith And Political Action | 3 credits |
| PLS 481 | Poverty, Development, and Public Policy | 3 credits |
| PLS 510 | The New Institutionalism | 3 credits |

International Relations

| | | |
|---------|--|-----------|
| PLS 340 | International Politics | 3 credits |
| PLS 341 | Issues and Challenges in American Foreign Policy | 3 credits |
| PLS 342 | Foreign Policy and Diplomacy of Major Powers | 3 credits |
| PLS 343 | National Security and Strategic Studies | 3 credits |
| PLS 345 | International Political Economy | 3 credits |
| PLS 347 | International Regimes | 3 credits |
| PLS 435 | Global Poverty and Development | 3 credits |
| PLS 440 | Seminar on International Studies | 3 credits |
| PLS 444 | Nonviolence and Peaceful Resolution of Conflict | 3 credits |
| PLS 472 | International Conflict | 3 credits |
| PLS 537 | International Law | 3 credits |

Political Philosophy and Theory

| | | |
|---------|-----------------------------------|-----------|
| PLS 357 | Alternative Political Futures | 3 credits |
| PLS 360 | Liberal Democracy and Its Critics | 3 credits |
| PLS 362 | Conservative Political Thought | 3 credits |
| PLS 365 | Classics of Political Thought | 3 credits |
| PLS 367 | Theory of Law | 3 credits |
| PLS 432 | Democratic Theory | 3 credits |
| PLS 459 | Marxism | 3 credits |
| PLS 461 | Contemporary Political Theory | 3 credits |
| PLS 463 | Game Theory and Social Choice | 3 credits |
| PLS 510 | The New Institutionalism | 3 credits |

Public Policy and Law

| | | |
|---------|--|-----------|
| PLS 333 | Environmental Politics and Policy | 3 credits |
| PLS 334 | Public Policy and Health Care | 3 credits |
| PLS 335 | Federal Indian Policy and Law | 3 credits |
| PLS 337 | Constitutional Law | 3 credits |
| PLS 339 | Public Policy and Poverty in the United States | 3 credits |
| PLS 356 | Constitutional Issues | 3 credits |
| PLS 372 | Equality, Minorities, and Public Policy | 3 credits |
| PLS 433 | Public Policy Analysis | 3 credits |
| PLS 435 | Global Poverty and Development | 3 credits |
| PLS 436 | Politics and Ethics of Science and Technology | 3 credits |
| PLS 437 | Religion and Public Life in the United States | 3 credits |
| PLS 438 | Contemporary Issues in Civil Liberties | 3 credits |
| PLS 439 | Dangerous Words: The First Amendment | 3 credits |
| PLS 481 | Poverty, Development, and Public Policy | 3 credits |

Additional six credits in Political Science at or above the 200 series chosen from the subfields above with the approval of the major advisor.

Public Policy Track

| | | |
|---------|--|-----------|
| PLS 331 | Managing the Public and Non-profit Sectors | 3 credits |
| PLS 433 | Public Policy Analysis | 3 credits |

(Six credits from Public Policy electives:)

Public Policy

| | | |
|---------|---|-----------|
| PLS 333 | Environmental Politics and Policy | 3 credits |
| PLS 334 | Public Policy and Health Care | 3 credits |
| PLS 337 | Constitutional Law | 3 credits |
| PLS 372 | Equality, Minorities, and Public Policy | 3 credits |
| PLS 435 | Global Poverty and Development | 3 credits |
| PLS 436 | Politics and Ethics of Science and Technology | 3 credits |
| PLS 438 | Contemporary Issues in Civil Liberties | 3 credits |
| PLS 481 | Poverty, Development, and Public Policy | 3 credits |

(Three credits selected from American Institutions:)

American Institutions

| | | |
|---|--------------------------------------|-----------|
| PLS 320 | Judicial Process | 3 credits |
| PLS 322 | American Presidency | 3 credits |
| PLS 324 | Congress and The Legislative Process | 3 credits |
| PLS 325 | American States and Regions | 3 credits |
| PLS 326 | Governing Metropolitan Areas | 3 credits |
| Three credits in comparative politics at the 300 or 400 level. | | 3 credits |
| Three credits in international relations at the 300 or 400 level. | | 3 credits |

Recommended:

| | | |
|---------|---------------------------|-----------|
| PLS 483 | Public Affairs Internship | 3 credits |
|---------|---------------------------|-----------|

Requisite Courses for Public Policy Track: ECO 203, 205.

Legal Studies Track

| | | |
|---------|--------------------|-----------|
| PLS 320 | Judicial Process | 3 credits |
| PLS 337 | Constitutional Law | 3 credits |
| PLS 367 | Theory of Law | 3 credits |
| PLS 537 | International Law | 3 credits |

Three credits in either International Relations or Comparative Politics subfield 3 credits
Six credits in either American Govern./Politics or Public Policy/Law subfield 6 credits

Requisite Courses for Legal Studies Track: Students will select 6 credits from the following: BUS 201, BUS 301, ECO 203, ECO 205, JRM 529, PHL 440, PLS 356, PSY 363, SOC 321, SOC 423.

PROGRAMS IN INTERNATIONAL RELATIONS

Specific Requirements for Admission to the International Relations Major: None.

B.A., Major in International Relations: 36 Credits

Course Requirements

| | | |
|----------|--|-----------|
| *PLS 105 | Introduction to World Politics | 3 credits |
| PLS 121 | American Government and Politics | 3 credits |
| PLS 215 | Comparative Political Systems | 3 credits |
| PLS 310 | Political Science Research Methods | 3 credits |
| PLS 340 | International Politics | 3 credits |
| PLS 591 | Senior Research Seminar in Political Science | 3 credits |

(Six credits from the following:)

| | | |
|---------|---------------------------------|-----------|
| PLS 345 | International Political Economy | 3 credits |
| PLS 347 | International Regimes | 3 credits |
| PLS 435 | Global Poverty and Development | 3 credits |
| PLS 472 | International Conflict | 3 credits |

(Twelve credits from the following:)

| | | |
|---------|---|-----------|
| PLS 301 | Western European Political Systems | 3 credits |
| PLS 303 | Politics of Russia and the USSR Successor States | 3 credits |
| PLS 305 | Eastern European Political Systems | 3 credits |
| PLS 313 | Politics of the Middle East | 3 credits |
| PLS 315 | Politics of Asia | 3 credits |
| PLS 316 | Government/Politics of People's Republic of China | 3 credits |
| PLS 317 | Latin American Government and Politics | 3 credits |
| PLS 319 | Politics of the Developing Areas | 3 credits |
| PLS 341 | Issues and Challenges to American Foreign Policy | 3 credits |
| PLS 342 | Foreign Policy and Diplomacy of Major Powers | 3 credits |
| PLS 343 | National Security and Strategic Studies | 3 credits |
| PLS 345 | International Political Economy | 3 credits |
| PLS 347 | International Regimes | 3 credits |
| PLS 401 | The European Union | 3 credits |
| PLS 405 | Ethnicity, Nationalism and Democracy | 3 credits |
| PLS 407 | Revolutions and Revolutionary Movements | 3 credits |
| PLS 410 | Seminar on Comparative Politics | 3 credits |
| PLS 411 | Politics of Africa | 3 credits |
| PLS 435 | Global Poverty and Development | 3 credits |
| PLS 440 | Seminar on International Studies | 3 credits |
| PLS 472 | International Conflict | 3 credits |
| PLS 481 | Poverty, Development, and Public Policy | 3 credits |
| PLS 510 | The New Institutionalism | 3 credits |
| PLS 537 | International Law | 3 credits |

*Students beginning this major in their Sophomore year should substitute an upper-level political science course for this requirement.

Requisite Courses for International Relations Major: ECO 203 and 205. Mastery of a modern language is strongly urged for students pursuing the INR major.

INTERNATIONAL RELATIONS MINOR

Program Description: International Relations examines global governance. Among the core issues are international conflict, inter-state cooperation, growing global integration, the role of international institutions and global nonprofit organizations, and the development and extension of international law. This minor is recommended for those seeking employment in the US State Department, Department of Defense, The United Nations, international business, and global non-profits.

Contact: Chair, Department of Political Science and International Relations

(All of the following:)

PLS 340 International Politics 3 credits

(Fifteen credits from the following:)

| | | |
|---------|--|-------------|
| PLS 341 | Issues and Challenges in American Foreign Policy | 3 credits |
| PLS 342 | Foreign Policy and Diplomacy of Major Powers | 3 credits |
| PLS 343 | National Security and Strategic Studies | 3 credits |
| PLS 345 | International Political Economy | 3 credits |
| PLS 347 | International Regimes | 3 credits |
| PLS 435 | Global Poverty and Development | 3 credits |
| PLS 440 | Seminar on International Studies | 1-3 credits |
| PLS 444 | Nonviolence and Peaceful Resolution of Conflict | 3 credits |
| PLS 472 | International Conflict | 3 credits |
| PLS 481 | Poverty, Development, and Public Policy | 3 credits |
| PLS 537 | International Law | 3 credits |

*LEGAL STUDIES MINOR*

Program Description: The Legal Studies minor explores the role of the law in society. This includes a close look at legal history and philosophy as well as legal institutions at all levels of government. This minor focuses on one of the most important institutions of Western Civilization, and on particular contributions of American institutions, and, as such, its study makes an important contribution to the study of the liberal arts. Moreover, this minor is intended to help students reflect on and prepare for making career choices in fields such as law, court administration, law enforcement, and dispute resolution.

Contact: Chair, Department of Political Science and International Relations

(All of the following:)

| | | |
|---------|--------------------|-----------|
| PLS 337 | Constitutional Law | 3 credits |
| PLS 320 | Judicial Process | 3 credits |
| PLS 367 | Theory of Law | 3 credits |
| PLS 537 | International Law | 3 credits |

(Two of the following:)

| | | |
|---------|------------------------------------|-----------|
| BUS 201 | Legal Environment of Business | 3 credits |
| HIS 354 | Constitutional History before 1877 | 3 credits |
| HIS 355 | Constitutional History after 1877 | 3 credits |
| JRM 529 | Law of Mass Communications | 3 credits |
| PHL 440 | Legal Philosophy | 3 credits |
| PLS 438 | Civil Liberties | 3 credits |
| PLS 439 | Dangerous Words | 3 credits |
| PLS 324 | Congress and Legislative Process | 3 credits |
| PSY 363 | Psychology of Law | 3 credits |
| SOC 321 | Criminal Justice System | 3 credits |
| SOC 423 | Law and Society | 3 credits |

POLITICAL SCIENCE MINOR

Program Description: The Political Science minor is designed for students seeking to supplement their primary major with coursework on politics. The minor provides students with an introduction to Political Science methodology, and it provides an overview of community decision-making at the local, national, and international levels. This will be useful to students as they pursue careers in business, journalism, medicine, the law, and other fields.

Contact: Chair, Department of Political Science and International Relations

(All of the following:)

| | | |
|---|------------------------------------|-----------|
| PLS 121 | American Government and Politics | 3 credits |
| PLS 215 | Comparative Politics | 3 credits |
| PLS 310 | Political Science Research Methods | 4 credits |
| Three additional courses in Political Science numbered 300 and above. | | 9 credits |

PUBLIC POLICY MINOR

Program Description: The Public Policy minor examines how humans organize society and make collective choices. It focuses particularly on political actors and the institutions that humans use to implement public policy choices. Students with a Public Policy minor examine the policy process, substantive policy areas and the application of policy analysis tools and advocacy strategies in the contemporary political system.

Contact: Chair, Department of Political Science and International Relations

*Policy Process***(Six credits from the following:)**

| | | |
|---------|---------------------------------|-----------|
| PLS 235 | Interest Group Politics | 3 credits |
| PLS 320 | Judicial Process | 3 credits |
| PLS 322 | American Presidency | 3 credits |
| PLS 324 | Congress | 3 credits |
| PLS 325 | American States and Regions | 3 credits |
| PLS 326 | Governing Metropolitan Areas | 3 credits |
| PLS 328 | Mass Media in American Politics | 3 credits |

*Policy Skills***(Six credits from the following:)**

| | | |
|---------|--------------------------------|-----------|
| PLS 323 | Campaign Management | 3 credits |
| PLS 331 | Managing the Non-Profit Sector | 3 credits |
| PLS 465 | Faith and Political Action | 3 credits |
| PLS 433 | Public Policy Analysis | 3 credits |
| PLS 483 | Public Affairs Internship | 3 credits |

*Substantive Policy Areas***(Six credits from the following:)**

| | | |
|---------|--|-----------|
| PLS 329 | Gender and Politics | 3 credits |
| PLS 333 | Environmental Politics | 3 credits |
| PLS 334 | Public Policy and Health Care | 3 credits |
| PLS 335 | Federal Indian Policy and Law | 3 credits |
| PLS 339 | Public Policy and Poverty in the United States | 3 credits |
| PLS 341 | Issues and challenges in American Foreign Policy | 3 credits |
| PLS 342 | Foreign Policy and Diplomacy of Major Powers | 3 credits |
| PLS 372 | Equality, Minorities and Public Policy | 3 credits |
| PLS 435 | Global Poverty and Development | 3 credits |
| PLS 436 | Politics and Ethics of Science and Technology | 3 credits |
| PLS 463 | Game Theory and Social Choice | 3 credits |
| PLS 481 | Poverty, Development, and Public Policy | 3 credits |

Teacher Certification

Students who think they may teach Social Science in secondary schools must consult with the Education Department, with the Political Science Department, and with the appropriate agency in the state in which they intend to teach.

For all PLS courses, please refer to page 442.

PSYCHOLOGY

Chair: T. Lee Budesheim

Associate Chair: G. Leak

Department Office: Hixson-Lied Science Building, Room 302

Professors: M. Huss, G. Leak, R. Lueger;

Professor Emeriti: L. Gardner, M. Ware;

Associate Professors: A. Badura Brack, T.L. Budesheim, L. Finken, M. Khanna, J.V. Lupo;

Assistant Professors: J. Allen, J. Brown, C. Guenther, D. Stairs.

Department Description: The Psychology Department designs its courses and programs to provide (a) one facet of the multidisciplinary study of humans, (b) a personal and scientific understanding of behavior, (c) preparation for employment in a business, a social agency, or in secondary education, and (d) preparation for continued study in a graduate school of psychology or in one of the professional schools.

Web Contact/Information: Additional information about this department may be found at <http://www.creighton.edu/ccas/psychology>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN PSYCHOLOGY

Specific Requirements for Admission to the Psychology Major: Completion of PSY111, a 2.00 GPA in completed PSY courses, completion of at least 24 hours of undergraduate study, and at least one PSY course in residence at Creighton University.

B.A., Major in Psychology: 34 Credits*Course Requirements**Group A: Introduction and Fundamental Methodologies of Psychology***(All of the following:)**

| | | |
|---------|--|-----------|
| PSY 111 | Introductory Psychology | 3 credits |
| PSY 313 | Research Methods and Statistics I | 3 credits |
| PSY 315 | Research Methods and Statistics II | 3 credits |
| PSY 316 | Research Methods and Statistics II-Lab | 1 credit |

(Foundational Courses: At least one course, but no more than two, from each of the following three groups totaling fifteen credits:)

Group B: Experimental/Mechanistic Approaches to Psychology

| | | |
|---------|---------------------------|-----------|
| PSY 431 | Cognitive Psychology | 3 credits |
| PSY 433 | Motivation and Emotion | 3 credits |
| PSY 434 | Learning: Basic Processes | 3 credits |
| PSY 436 | Sensation and Perception | 3 credits |
| PSY 437 | Physiological Psychology | 3 credits |

Group C: Humanistic Approaches

| | | |
|---------|----------------------------------|-----------|
| PSY 341 | Infant and Child Development | 3 credits |
| Or | | |
| PSY 342 | Adolescent and Adult Development | 3 credits |
| PSY 343 | Psychology of Personality | 3 credits |
| PSY 344 | Social Psychology | 3 credits |
| PSY 351 | Abnormal Psychology | 3 credits |

Group D: Capstone

| | | |
|---------|---|-------------|
| PSY 424 | History and Systems of Psychology | 3 credits |
| PSY 326 | Undergraduate Internship in Psychology | 3-4 credits |
| Or | | |
| PSY 474 | Undergraduate Intern. in Industrial/Org. Psychology | 3 credits |
| PSY 428 | Multicultural Issues in Psychology | 3 credits |
| Or | | |
| PSY 473 | Psychology of Gender | 3 credits |
| PSY 491 | Honors Seminar | 3 credits |

Elective Courses: Students must also take nine additional credits of PSY elective courses. SWK 261 or BIO 571 also count as electives.

9 credits

BEHAVIORAL AND COGNITIVE NEUROPSYCHOLOGY MINOR

Program Description: This program provides a systematic introduction to the neural basis of mental function. It includes experimental work done with both humans and animals, as well as findings from clinical populations. The goal of the minor is to provide a balanced, synthesized, and integrated view of what we know about the brain and its effects on cognition and behavior.

Contact: Chair, Department of Psychology

(All of the following:)

| | | |
|---------|--------------------------|-----------|
| PSY 111 | Introductory Psychology | 3 credits |
| PSY 211 | Introductory Statistics | 3 credits |
| PSY 437 | Physiological Psychology | 3 credits |

(Nine credits from the following two groups:)**Physiological Aspects of Neuropsychology*

| | | |
|---------|--------------------------|-----------|
| PSY 361 | Neuropsychology | 3 credits |
| PSY 436 | Sensation and Perception | 3 credits |
| PSY 481 | Drugs and Behavior | 3 credits |

Cognitive and Association Aspects of Neuropsychology

| | | |
|---------|---------------------------|-----------|
| PSY 362 | The Psychology of Memory | 3 credits |
| PSY 431 | Cognitive Psychology | 3 credits |
| PSY 434 | Learning: Basic Processes | 3 credits |

*At least one course from each group

Teacher Certification

Students who think they may teach Social Science in secondary schools must consult with the Education Department, with the Psychology Department, and with the appropriate agency in the state in which they intend to teach.

Certificate Programs in University College

This department offers one certificate program to students in University College. See the description for this certificate on page 274 in the University College section of the Bulletin.

For all PSY courses, please refer to page 448.

SENIOR PERSPECTIVE

Program Description: Senior Perspective courses are a group of courses from which students may choose to fulfill a core requirement in Category A of the College of Arts and Sciences' Core Curriculum. The goal of this core requirement is to provide an integrative and interdisciplinary experience near the end of a student's college career. All courses in this category (1) focus on a major area of human and social concern, (2) are interdisciplinary, (3) address ethical and value questions, and (4) emphasize personal reflection.

Contact Information: Additional information about SRP courses may be found at <http://puffin.creighton.edu/srp/srp.htm> or by contacting Jerold J. Abrams, Humanities Center, Room 303. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

For all SRP courses, please refer to page 455.

SOCIAL WORK

Program Director: G.H. Grandbois

Program Office: Creighton Hall, Room 436

Associate Professor: G.H. Grandbois;

Assistant Professor: B. Harris.

Department Description: The Social Work Program's mission is "Informed by Ignatian ideals, a global perspective, social work knowledge, values, skills, ethics, history and purpose, the Social Work Program is dedicated to the formation of competent, effective entry level generalist social work practitioners, as social change agents committed to the well-being of self and others, engaging in the pursuit of social and economic justice, empowerment of vulnerable populations, human rights, and the advancement of social work knowledge including the mutual influence of research and social work practice."

The goals of the Social Work Program are: 1). Prepare entry-level generalist practitioners who apply ethical decision-making based on the National Association of Social Work Code of Ethics, and the Ignatian charisms integrating personal and professional ideals through mature self-evaluation and self-reflection, 2). Prepare undergraduate generalist social work practitioners grounded in evidence-informed practice, to work with individual, families, groups, organizations and communities including an understanding and applicability of the global perspective for practice and 3). Prepare social work leaders committed to advancing social and economic justice and human rights along with reducing social and economic inequities in society.

The Social Work program is accredited by the Council on Social Work Education.

Web Contact/Information: Additional information about this program may be found at <http://www.creighton.edu/ccas/social-work/>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAM IN SOCIAL WORK

Specific Requirements for Admission to the Social Work Major: Successful completion of SWK 261, PSY 111, SOC 101; a minimum GPA of 2.25; Admission to the department is selective and is based upon an application process that includes: the declaration of the major, a written application, and a personal interview.

B.S.W. Major in Social Work: 32 Credits*Course Requirements***(All of the following:)**

| | | |
|---------|--|-----------|
| SWK 261 | Introduction to Social Welfare | 3 credits |
| SWK 275 | Human Behavior and the Social Environment | 4 credits |
| SWK 345 | Practice I-Social Work with Individuals and Families | 3 credits |
| SWK 346 | Pre-Practicum | 1 credit |
| SWK 351 | Economics, Policy and Social Welfare | 3 credits |
| SWK 359 | Practice II: Social Work with Groups | 3 credits |
| SWK 435 | Practice III: Advocacy, Injustice, Oppression, and Ethical Decision-making | 3 credits |
| SWK 460 | Field Practicum Seminar I | 2 credits |
| SWK 461 | Field Practicum I | 4 credits |
| SWK 480 | Field Practicum Seminar II | 2 credits |
| SWK 481 | Field Practicum II | 4 credits |

CSWE standards require that social work majors enter their careers with solid foundations in relevant content areas. Students should, therefore, be alert to the following pre-requisite courses:

(All of the following:)

| | | |
|---------|--|-----------|
| PSY 111 | Introductory Psychology | 3 credits |
| SOC 101 | Introduction to Sociology: Self and Society* | 3 credits |

(One of the following:)*

| | | |
|---------|---|-----------|
| PSY 313 | Research Methods and Statistics I* | 3 credits |
| SOC 312 | Quantitative Methods in the Social Sciences | 3 credits |

And

| | | |
|---------|------------------------------------|-----------|
| SOC 314 | Statistics for the Social Sciences | 4 credits |
|---------|------------------------------------|-----------|

In order to be eligible for field placement a student must have achieved a minimum GPA of 2.25 in all required courses for the Social Work major and must be certified ready for practicum.

Students must earn a grade of “C” or better in all prerequisite and required courses.

Students may be dropped from the Social Work Program if they receive below a “C” grade in required courses for the Social Work major.

*Students may take PSY 313 or SOC 312/314 or another statistics course to meet the requirement.

Certificate Programs in University College

This department does not offer a certificate program to students in University College.

For all SWK courses, please refer to page 460.

SOCIOLOGY AND ANTHROPOLOGY

Chair: Raymond Bucko, S.J.

Department Office: Creighton Hall, Room 437

Professors: R. Bucko, S.J., C. Harper; Professor Emeritus: J. Angus;
Associate Professors: J. Ault, R. Bergman, B. Dilly, G.H. Grandbois, R. Murray;
Associate Professor Emeritus: J. Clark;
Assistant Professors: B. Harris, L. Heinemann, D. Irlbeck, A. Rodlach.

Department Description: Sociology and Anthropology study social life, social change, and the social causes and consequences of human behavior. Sociologists and anthropologists investigate the structure of groups, organizations, societies, and cultures, and how people interact within these contexts. Since all human behavior is social, the subject matter of sociology and anthropology ranges from the intimate family to the hostile mob; from organized crime to religious cults; from the divisions of race, gender and social class to the shared beliefs of a common culture; and from the sociology of work to the anthropology of sports.

Web Contact/Information: Additional information about this department may be found at <http://puffin.creighton.edu/soc/soc.htm>. However, for definitive details, students are strongly encouraged to check the University’s website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN ANTHROPOLOGY

Specific Requirements for Admission to the Cultural and Medical Anthropology Major: Successful completion of ANT 101, 111 or 112 with a grade of “C” or better and 3 credits in another Sociology or Anthropology course with a grade of “C” or better.

B.A., Major in Cultural Anthropology: 36 Credits

Course Requirements

(All of the following:)

| | | |
|---------|--|-----------|
| ANT 301 | Social and Cultural Theory | 3 credits |
| ANT 316 | Qualitative Methods in the Social Sciences | 3 credits |
| ANT 499 | Globalization | 3 credits |

(One of the following:)

| | | |
|---------|---|-----------|
| ANT 101 | Introduction to Native American Studies | 3 credits |
| ANT 111 | Introduction to Anthropology: Human and Cultural Diversity | 3 credits |
| ANT 112 | Introduction to Anthropology: Culture, Energy, and Sustainability | 3 credits |

(Six credits from the following:)

| | | |
|---|---|------------|
| ANT 324 | Native American World View | 3 credits |
| ANT 331 | Indians of the Great Plains | 3 credits |
| ANT 340 | Native American Cultures and Health | 3 credits |
| ANT 342 | Peoples and Cultures of Sub-Saharan Africa | 3 credits |
| ANT 343 | Peoples and Cultures of Native North America | 3 credits |
| ANT 346 | Peoples and Cultures of Latin America | 3 credits |
| ANT 358 | Critical Issues in Study of Native American Religions | 3 credits |
| ANT 424 | Sustainability and Rural America | 3 credits |
| Eighteen credits from any ANT courses numbered above 300. | | 18 credits |

Note: ANT 493, 495 and 497 may be repeated to a limit of six hours.

Anthropology majors who are planning to go to graduate school are encouraged to also take ANT 312 and ANT 314. They are also encouraged to spend one summer in our Lakota Field School (offered during Summer Sessions) or an ethnographic field school or an archeological field school (such as ANT 525 and ANT 526 offered through the Theology Department).

B.A., Major in Medical Anthropology: 36 Credits*Course Requirements***(All of the following:)**

| | | |
|---------|---|-----------|
| ANT 301 | Social and Cultural Theory | 3 credits |
| ANT 312 | Quantitative Methods in the Social Sciences | 3 credits |
| ANT 316 | Qualitative Methods in the Social Sciences | 3 credits |
| ANT 363 | Medical Anthropology | 3 credits |
| ANT 499 | Globalization: Applying the Social Sciences | 3 credits |

(Nine credits from the following:)

| | | |
|---------|--------------------------------------|-----------|
| ANT 307 | Demography | 3 credits |
| ANT 315 | Health Care, Society, and Culture | 3 credits |
| ANT 317 | Global Health Issues* | 3 credits |
| ANT 383 | Cultural Epidemiology | 3 credits |
| ANT 411 | Social Inequality and Stratification | 3 credits |

(One of the following:)

| | | |
|---------|---|-----------|
| ANT 101 | Introduction to Native American Studies | 3 credits |
| ANT 111 | Introduction to Anthropology: Human and Cultural Diversity | 3 credits |
| ANT 112 | Introduction to Anthropology: Culture, Energy, and Sustainability | 3 credits |

(One of the following:)

| | | |
|---------|--|-----------|
| ANT 331 | Indians of the Great Plains | 3 credits |
| ANT 342 | Peoples and Cultures of Sub-Saharan Africa | 3 credits |
| ANT 343 | Peoples and Cultures of Native North America | 3 credits |
| ANT 346 | Peoples and Cultures of Latin America | 3 credits |
| ANT 424 | Sustainability and Rural America | 3 credits |

(Six credits from the following:)

| | | |
|---------|--|-------------|
| ANT 314 | Statistics for the Social Sciences | 4 credits |
| ANT 340 | Native American Cultures and Health | 3 credits |
| ANT 352 | Witchcraft, Oracles and Magic | 3 credits |
| ANT 355 | Environment and Society: Sociological Perspectives | 3 credits |
| ANT 385 | Community Internship I, II | 3 credits |
| ANT 455 | Food Society and Environment | 3 credits |
| ANT 493 | Directed Independent Readings** | 1-3 credits |
| ANT 495 | Directed Independent Study** | 1-3 credits |
| ANT 497 | Directed Independent Research** | 1-6 credits |
| ANT 570 | Geographic Info System | 3 credits |
| BIO 212 | General Biology: Organismal and Population | 4 credits |
| BIO 581 | Evolution | 4 credits |
| PLS 334 | Public Policy and Health Care | 3 credits |
| PSY 428 | Multicultural Issues in Psychology | 3 credits |
| SOC 335 | Technology and Human Values | 3 credits |
| SRP 457 | Biomedical Ethics | 3 credits |
| THL 205 | Sickness and Healing in the Bible | 3 credits |

* Graduating seniors, who have not taken ANT 317 are encouraged to take NUR 501.

**May be repeated to a limit of six credits.

B.S.W., Major in Social Work

See the description for this interdisciplinary major, offered through the Department of Sociology and Anthropology on page 197.

B.A., Major in Justice and Society

See the description for this interdisciplinary major, offered through the Department of Sociology and Anthropology on page 165.

MEDICAL ANTHROPOLOGY MINOR

Program Description: The medical anthropology minor provides a holistic perspective utilizing both cultural and biological approaches to investigate human experiences of illness, suffering and healing and familiarizes students with anthropological research methods essential to medical anthropology. The minor explores how culture shapes healing systems; examines the relationships between healing and other social institutions; and investigates the political and economic influences on disease patterns and health outcomes. This minor will enhance the student's ability to provide health care to the culturally diverse populations that characterize contemporary America as well as providing health care in the global community.

Contact: Chair, Department of Sociology and Anthropology

(All of the following:)

| | | |
|---------|----------------------|-----------|
| ANT 363 | Medical Anthropology | 3 credits |
|---------|----------------------|-----------|

(One of the following:)

| | | |
|---------|---|-----------|
| ANT 101 | Introduction to Native American Studies | 3 credits |
| ANT 111 | Introduction to Anthropology: Human and Cultural Diversity | 3 credits |
| ANT 112 | Introduction to Anthropology: Culture, Energy, and Sustainability | 3 credits |

(One of the following:)

| | | |
|---------|---|-----------|
| ANT 312 | Quantitative Methods in the Social Sciences | 3 credits |
| ANT 316 | Qualitative Methods in the Social Sciences | 3 credits |

(Three credits from the following:)

| | | |
|---------|--|-----------|
| ANT 331 | Indians of the Great Plains | 3 credits |
| ANT 342 | Peoples and Cultures of Sub-Saharan Africa | 3 credits |
| ANT 343 | Peoples and Cultures of Native North America | 3 credits |
| ANT 346 | Peoples and Cultures of Latin America | 3 credits |
| ANT 424 | Sustainability and Rural America | 3 credits |

(Six credits from the following:)

| | | |
|---------|--|-----------|
| ANT 301 | Social and Cultural Theory | 3 credits |
| ANT 307 | Demography: World Population Issues | 3 credits |
| ANT 314 | Statistics for the Social Sciences | 4 credits |
| ANT 315 | Healthcare, Society and Culture | 3 credits |
| ANT 317 | Global Health Issues | 3 credits |
| ANT 340 | Native American Cultures and Health | 3 credits |
| ANT 352 | Witchcraft, Oracles and Magic | 3 credits |
| ANT 383 | Cultural Epidemiology: Global Perspectives | 3 credits |
| ANT 411 | Social Inequality and Stratification | 3 credits |
| BIO 212 | General Biology: Organismal And Population | 4 credits |
| BIO 581 | Evolution | 4 credits |
| PSY 428 | Multicultural Issues in Psychology | 3 credits |
| PLS 334 | Public Policy And Health Care | 3 credits |
| SRP 457 | Biomedical Ethics | 3 credits |
| THL 205 | Sickness, Disability, and Healing in the Bible | 3 credits |

Teacher Certification

Students who think they may teach Social Science at the secondary education level must consult with the Education Department, the Department of Sociology and Anthropology, and the appropriate agency in the state in which they intend to teach.

Certificate Programs in University College

This department does not offer a certificate program.

For all ANT courses, please refer to page 295.

PROGRAMS IN SOCIOLOGY

Specific Requirements for Admission to the Sociology Major: Completion of SOC 101 or SOC 102 with a grade of “C” or better, and three credits in another Sociology or Anthropology course with a grade of “C” or better.

B. S., Major in Sociology: 37 Credits

Course Requirements for All Tracks:

The following Sociology courses are required for all tracks. In addition, the student must choose one track.

(All of the following:)

| | | |
|---------|--|-----------|
| SOC 301 | Social and Cultural Theory | 3 credits |
| SOC 312 | Quantitative Research Methods in the Social Sciences | 3 credits |
| SOC 314 | Statistics for the Social Sciences | 4 credits |
| SOC 411 | Social Inequality and Stratification | 3 credits |
| SOC 499 | Globalization | 3 credits |

(One of the following:)

| | | |
|---------|---|-----------|
| SOC 101 | Introduction to Sociology: Self and Society | 3 credits |
| SOC 102 | Introduction to Sociology: Social Problems | 3 credits |

Standard Sociology Track**(Eighteen credits chosen from the following:)**

| | | |
|---------|--|-------------|
| SOC 307 | Demography: World Population Issues | 3 credits |
| SOC 309 | The Urban Social System | 3 credits |
| SOC 315 | Healthcare, Society and Culture | 3 credits |
| SOC 316 | Qualitative Methods in the Social Sciences | 3 credits |
| SOC 317 | Global Health Issues | 3 credits |
| SOC 318 | Gender in American Society | 3 credits |
| SOC 320 | Sociology of Deviant Behavior | 3 credits |
| SOC 321 | Sociology of the Criminal Justice System | 3 credits |
| SOC 331 | Industry and Society | 3 credits |
| SOC 335 | Technology and Human Values | 3 credits |
| SOC 341 | American Cultural Minorities | 3 credits |
| SOC 350 | Social Change | 3 credits |
| SOC 355 | Environment and Society: Sociological Perspectives | 3 credits |
| SOC 360 | Gender, Society, and Culture | 3 credits |
| SOC 385 | Community Internship | 3 credits |
| SOC 423 | Law and Society | 3 credits |
| SOC 424 | Sustainability and Rural America | 3 credits |
| SOC 440 | Gender Communication | 3 credits |
| SOC 455 | Food, Society, and Environment | 3 credits |
| SOC 493 | Directed Independent Readings | 1-6 credits |
| SOC 495 | Directed Independent Study | 1-6 credits |
| SOC 497 | Directed Independent Research | 1-6 credits |
| SOC 570 | Introduction to Geographic Information Systems | 4 credits |

Applied Research Methods Track**(All of the following:)**

| | | |
|---------|--|-----------|
| SOC 307 | Demography: World Population Issues | 3 credits |
| SOC 497 | Directed Independent Research | 6 credits |
| SOC 570 | Introduction to Geographic Information Systems | 4 credits |

(Five credits from the following:)

| | | |
|---------|--|-------------|
| SOC 309 | The Urban Social System | 3 credits |
| SOC 316 | Qualitative Methods in the Social Sciences | 3 credits |
| SOC 317 | Global Health Issues | 3 credits |
| SOC 318 | Gender in American Society | 3 credits |
| SOC 320 | Sociology of Deviant Behavior | 3 credits |
| SOC 321 | Sociology of the Criminal Justice System | 3 credits |
| SOC 331 | Industry and Society | 3 credits |
| SOC 335 | Technology and Human Values | 3 credits |
| SOC 341 | American Cultural Minorities | 3 credits |
| SOC 350 | Social Change | 3 credits |
| SOC 355 | Environment and Society: Sociological Perspectives | 3 credits |
| SOC 360 | Gender, Society, and Culture | 3 credits |
| SOC 385 | Community Internship | 3 credits |
| SOC 423 | Law and Society | 3 credits |
| SOC 424 | Sustainability and Rural America | 3 credits |
| SOC 440 | Gender Communication | 3 credits |
| SOC 455 | Food, Society, and Environment | 3 credits |
| SOC 493 | Directed Independent Readings | 1-6 credits |
| SOC 495 | Directed Independent Study | 1-6 credits |

Criminal Justice Policy Track**(All of the following:)**

| | | |
|---------|--|-----------|
| SOC 320 | Sociology of Deviant Behavior | 3 credits |
| SOC 321 | Sociology of the Criminal Justice System | 3 credits |
| SOC 341 | American Cultural Minorities | 3 credits |
| SOC 423 | Law and Society | 3 credits |

(Six credits from the following:)

| | | |
|---------|--|-------------|
| SOC 307 | Demography: World Population Issues | 3 credits |
| SOC 309 | The Urban Social System | 3 credits |
| SOC 315 | Healthcare, Society and Culture | 3 credits |
| SOC 316 | Qualitative Methods in the Social Sciences | 3 credits |
| SOC 317 | Global Health Issues | 3 credits |
| SOC 318 | Gender in American Society | 3 credits |
| SOC 335 | Technology and Human Values | 3 credits |
| SOC 350 | Social Change | 3 credits |
| SOC 355 | Environment and Society: Sociological Perspectives | 3 credits |
| SOC 360 | Gender, Society and Culture | 3 credits |
| SOC 385 | Community Internship | 3 credits |
| SOC 424 | Sustainability and Rural America | 3 credits |
| SOC 440 | Gender Communication | 3 credits |
| SOC 455 | Food, Society, and Environment | 3 credits |
| SOC 493 | Directed Independent Readings | 1-6 credits |
| SOC 495 | Directed Independent Study | 1-6 credits |
| SOC 497 | Directed Independent Research | 1-6 credits |
| SOC 570 | Introduction to Geographic Information Systems | 4 credits |
| PLS 337 | Constitutional Law | 3 credits |

CRIMINAL JUSTICE POLICY MINOR

Program Description: The Criminal Justice Policy minor introduces students to the history, current structure, and processes of the American criminal justice system, including its principal components, the ethical issues surrounding each of those components, and the research that evaluates the impact of the system. It provides an introduction to the perspectives of other social systems and cultures, as well as the contemporary competing models of what a criminal justice system ought to be, both domestic and cross-cultural.

Contact: Chair, Department of Sociology and Anthropology

(All of the following:)

| | | |
|---------|--|-----------|
| SOC 320 | Sociology of Deviant Behavior | 3 credits |
| SOC 321 | Sociology of the Criminal Justice System | 3 credits |
| SOC 341 | American Cultural Minorities | 3 credits |
| SOC 423 | Law and Society | 3 credits |

(Six credits from the following:)

| | | |
|---------|--|-------------|
| SOC 307 | Demography: World Population Issues | 3 credits |
| SOC 309 | The Urban Social System | 3 credits |
| SOC 316 | Qualitative Methods in the Social Sciences | 3 credits |
| SOC 317 | Global Health Issues | 3 credits |
| SOC 318 | Gender in American Society | 3 credits |
| SOC 335 | Technology and Human Values | 3 credits |
| SOC 350 | Social Change | 3 credits |
| SOC 355 | Environment and Society: Sociological Perspectives | 3 credits |
| SOC 360 | Gender, Society and Culture | 3 credits |
| SOC 385 | Community Internship | 3 credits |
| SOC 424 | Sustainability and Rural America | 3 credits |
| SOC 440 | Gender Communication | 3 credits |
| SOC 455 | Food, Society, and Environment | 3 credits |
| SOC 493 | Directed Independent Readings | 1-6 credits |
| SOC 495 | Directed Independent Study | 1-6 credits |
| SOC 497 | Directed Independent Research | 1-6 credits |
| SOC 570 | Introduction to Geographic Information Systems | 4 credits |
| PLS 320 | Judicial Process | 3 credits |
| PLS 337 | Constitutional Law | 3 credits |

GLOBALIZATION: SOCIAL AND CULTURAL ISSUES MINOR

Program Description: The Globalization minor introduces students to the social, cultural, technological and environmental issues surrounding globalization. New information technologies and emerging world markets have accelerated global flows of money, people, and ideas, so that people around the world are increasingly in contact through integrated but highly volatile world networks. The resulting globalization presents people and nations with a startling array of possibilities and problems, and most human enterprises and problems now have significant global dimensions.

Contact: Chair, Department of Sociology and Anthropology

*Globalization Concepts and Dimensions***(All of the following:)**

| | | |
|---------|--|-----------|
| SOC 307 | Demography: World Population Issues | 3 credits |
| SOC 335 | Technology and Human Values | 3 credits |
| SOC 350 | Social Change | 3 credits |
| SOC 355 | Environment and Society: Sociological Perspectives | 3 credits |

*Globalization Issues and Areas***(Two of the following:)**

| | | |
|---------|--|-----------|
| ANT 342 | Peoples and Cultures of Sub-Saharan Africa | 3 credits |
| ANT 346 | Peoples and Cultures of Latin America | 3 credits |
| SOC 317 | Global Health Issues | 3 credits |
| SOC 360 | Gender, Society and Culture | 3 credits |
| SOC 423 | Law and Society | 3 credits |

SOCIOLOGY MINOR

Program Description: The minor in Sociology is structured to introduce students to a range of topics, ranging from social problems and social inequalities to social institutions such as family, religion, education, politics, economics. The diversity and breadth of courses allows students the opportunity to explore areas relevant to individual interests.

Contact: Chair, Department of Sociology and Anthropology

(One of the following:)

| | | |
|--|---|------------|
| SOC 101 | Introduction to Sociology: Self and Society | 3 credits |
| SOC 102 | Introduction to Sociology: Social Problems | 3 credits |
| Fifteen credits from any SOC courses numbered above 300. | | 15 credits |

NOTE: SOC 385, 487, 493, 495, and 497 cannot be applied towards this minor.

Teacher Certification

Students who think they may teach Social Science at the secondary education level must consult with the Education Department, the Department of Sociology and Anthropology, and the appropriate agency in the state in which they intend to teach.

Certificate Programs in University College

This department does not offer a certificate program to students in University College.

For all SOC courses, please refer to page 463.



THEOLOGY

Chair: Julia A. Fleming

Department Office: Humanities Building, Room 121

Professors: J. Fleming, D. Hamm, S.J., W. Harmless, S.J., R. Hauser, S.J., B. Malina, J. Mueller, J. O'Keefe, R. Reno, R. Simkins, T. Salzman, W. Wright;

Professor Emeritus: M. Lawler;

Associate Professors: E. Burke-Sullivan, T. Kelly, N. Roddy, R. Miller;

Assistant Professors: S. Calef, H. A. Hall, J. Carney.

Department Description: The Theology Department is dedicated to the classical understanding of theology as "faith seeking understanding." Faculty in this department represent a spectrum of theological interests including Old and New Testament studies, patristic and historical theology, moral theology, liturgical theology, and systematic theology. The theology department also has expertise in several of the world's religious traditions. The department attracts students with diverse career goals ranging from ministry to medicine.

Web Contact/Information: Additional information about this department may be found at <http://www.creighton.edu/ccas/theology/index.php>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAMS IN THEOLOGY

Specific Requirements for Admission to the Theology Major: Sophomore standing and "C" average in two or more completed theology courses.

B.A./M.A. Theology/Religious Education Teaching Certification (5 Years)

The departments of Theology and Education offer a national accelerated five-year Bachelor's and Master's degree program with teaching certification in religious education. Students concentrate on a theological curriculum that prepares them to teach religion. The Education component offers full Nebraska state certification for those remaining in the state as well as methods for teaching religion for those teaching elsewhere. Significant tuition scholarships are available for the one year of graduate studies. For more information, contact the Theology Department or Education Department.

B. A. Major in Theology: 36-42 Credits

Course Requirements

(All of the following:)

| | | |
|---------|---|-----------|
| THL 100 | Christianity in Context | 3 credits |
| THL 250 | Theological Foundations for Ethical Understanding | 3 credits |
| THL 390 | History of the Christian Church | 3 credits |
| THL 492 | Senior Seminar | 3 credits |

(One of the following:)

| | | |
|---------|----------------------------------|-----------|
| THL 331 | Jesus Christ: Liberator | 3 credits |
| THL 335 | Jesus Christ Yesterday and Today | 3 credits |

(Three credits chosen from each of the following five areas:)

Old Testament Scripture

| | | |
|---------|---|-----------|
| THL 201 | Reading the Old Testament | 3 credits |
| THL 202 | Creation and the Environment in the Bible | 3 credits |
| THL 203 | Biblical Ancestors and Heroes | 3 credits |

New Testament Scripture

| | | |
|---------|---|-----------|
| THL 205 | Sickness, Disability, and Healing in the Bible | 3 credits |
| THL 207 | Reading the New Testament | 3 credits |
| THL 208 | New Testament Communities and Their Stories | 3 credits |
| THL 209 | The Synoptic Gospels: The Life of Jesus | 3 credits |
| THL 210 | Applying the Memory of Jesus: The Comm. of John | 3 credits |
| THL 212 | Paul and His Legacy | 3 credits |

Biblical Studies

| | | |
|---------|---|-----------|
| THL 501 | The Pentateuch | 3 credits |
| THL 502 | Old Testament Themes | 3 credits |
| THL 503 | The Prophetic Literature of the Old Testament | 3 credits |
| THL 504 | The Wisdom Literature of the Old Testament | 3 credits |
| THL 505 | History of Biblical Interpretation | 3 credits |
| THL 507 | Gospel of Matthew | 3 credits |
| THL 508 | The Gospel of Mark | 3 credits |
| THL 509 | The Gospel of Luke and the Acts of the Apostles | 3 credits |
| THL 511 | The Gospel of John | 3 credits |
| THL 514 | The Pastoral Epistles | 3 credits |
| THL 516 | The Book of Revelation (The Apocalypse) | 3 credits |
| THL 517 | The Parables of Jesus | 3 credits |
| THL 518 | Women and the Bible | 3 credits |
| THL 520 | The Dead Sea Scrolls | 3 credits |
| THL 523 | Israelite Religions | 3 credits |
| THL 524 | History of Ancient Israel | 3 credits |
| THL 525 | Archaeological Fieldwork and Analysis | 3 credits |
| THL 526 | Archaeology of Roman Palestine | 3 credits |
| THL 527 | Study Tour of Biblical Israel | 3 credits |
| THL 529 | Translations of the Bible | 3 credits |
| THL 594 | Seminar in Biblical Studies | 3 credits |

Doctrinal, Historical or Liturgical Theology

| | | |
|---------|--|-----------|
| THL 530 | Contemporary Catholic Theologians | 3 credits |
| THL 531 | Studies in Early Christianity | 3 credits |
| THL 533 | Ecclesiology: Contemporary Church Questions | 3 credits |
| THL 534 | Introduction to Liberation Theology | 3 credits |
| THL 535 | Doctrinal Development: Christology | 3 credits |
| THL 536 | The Mystery of God and Suffering of Human Beings | 3 credits |
| THL 537 | Doctrinal Development: Sin and Grace | 3 credits |
| THL 538 | Seminar in Christian Anthropology | 3 credits |
| THL 539 | Seminar in Christian Eschatology | 3 credits |
| THL 540 | Ecclesiology: The Documents of Vatican II | 3 credits |
| THL 541 | God is Green | 3 credits |
| THL 544 | Christian Celebration: The Liturgical Year | 3 credits |
| THL 545 | Liturgy and Christian Life | 3 credits |
| THL 552 | Studies in Medieval Christianity | 3 credits |
| THL 555 | Major Christian Theologian | 3 credits |
| THL 556 | Christianity and Modern Humanism | 3 credits |
| THL 596 | Seminar in Historical Studies | 3 credits |

Christian Life Studies

| | | |
|---------|--|-----------|
| THL 416 | For the Greater Glory: The Jesuits, History Spirituality | 3 credits |
| THL 457 | Biomedical Ethics | 3 credits |
| THL 458 | Theology and the Vocation to Health Care | 3 credits |
| THL 541 | God is Green | 3 credits |
| THL 560 | Theology of Ministry | 3 credits |
| THL 561 | Finding God in Daily Life: Prayer and Discernment | 3 credits |
| THL 563 | Contemporary Moral Problems | 3 credits |
| THL 564 | Christian Sexual Ethics | 3 credits |
| THL 565 | Catholic Social Teaching | 3 credits |
| THL 566 | Catholic Social and Sexual Ethics | 3 credits |
| THL 568 | Women in the Christian Tradition | 3 credits |
| THL 572 | Ethics and Spirituality | 3 credits |
| THL 573 | Religion and Politics | 3 credits |
| THL 574 | Faith and Food | 3 credits |
| THL 575 | Foundations of Christian Spirituality | 3 credits |
| THL 576 | Introduction to Jesuit Spirituality | 3 credits |
| THL 579 | Special Methods Teaching Religion Secondary Schools | 3 credits |
| THL 587 | Methods of Teaching Religion in Elementary School | 3 credits |
| THL 588 | Christian Ethics of War and Peace | 3 credits |
| THL 598 | Seminar Christian Life Studies | 3 credits |

Additional six THL credits chosen from 300-599. 6 credits

Specialization in Biblical Studies

In addition to the Theology Major requirements students may specialize in Biblical Studies by choosing six credits from the following:

| | | |
|---------|---|-----------|
| THL 501 | The Pentateuch | 3 credits |
| THL 502 | Old Testament Themes | 3 credits |
| THL 503 | The Prophetic Literature of the Old Testament | 3 credits |
| THL 504 | The Wisdom Literature of the Old Testament | 3 credits |
| THL 505 | History of Biblical Interpretation | 3 credits |
| THL 507 | Gospel of Matthew | 3 credits |
| THL 508 | The Gospel of Mark | 3 credits |
| THL 509 | The Gospel of Luke and the Acts of the Apostles | 3 credits |
| THL 511 | The Gospel of John | 3 credits |
| THL 514 | The Pastoral Epistles | 3 credits |
| THL 516 | The Book of Revelation (The Apocalypse) | 3 credits |
| THL 517 | The Parables of Jesus | 3 credits |
| THL 518 | Women and the Bible | 3 credits |
| THL 520 | The Dead Sea Scrolls | 3 credits |
| THL 523 | Israelite Religions | 3 credits |
| THL 524 | History of Ancient Israel | 3 credits |
| THL 525 | Archaeological Fieldwork and Analysis | 3 credits |
| THL 526 | Archaeology of Roman Palestine | 3 credits |
| THL 527 | Study Tour of Biblical Israel | 3 credits |
| THL 529 | Translations of the Bible | 3 credits |
| THL 594 | Seminar in Biblical Studies | 3 credits |

Specialization in Doctrinal, Historical or Liturgical Theology

In addition to the Theology Major requirements students may specialize in Doctrinal, Historical or Liturgical Theology by choosing six credits from the following:

| | | |
|---------|--|-----------|
| THL 530 | Contemporary Catholic Theologians | 3 credits |
| THL 531 | Studies in Early Christianity | 3 credits |
| THL 533 | Ecclesiology: Contemporary Church Questions | 3 credits |
| THL 534 | Introduction to Liberation Theology | 3 credits |
| THL 535 | Doctrinal Development: Christology | 3 credits |
| THL 536 | The Mystery of God and Suffering of Human Beings | 3 credits |
| THL 537 | Doctrinal Development: Sin and Grace | 3 credits |
| THL 538 | Seminar in Christian Anthropology | 3 credits |
| THL 539 | Seminar in Christian Eschatology | 3 credits |
| THL 540 | Ecclesiology: The Documents of Vatican II | 3 credits |
| THL 541 | God is Green | 3 credits |
| THL 544 | Christian Celebration: The Liturgical Year | 3 credits |
| THL 545 | Liturgy and Christian Life | 3 credits |
| THL 552 | Studies in Medieval Christianity | 3 credits |
| THL 555 | Major Christian Theologian | 3 credits |
| THL 556 | Christianity and Modern Humanism | 3 credits |
| THL 596 | Seminar in Historical Studies | 3 credits |

Specialization in Christian Life Studies

In addition to the Theology Major requirements students may specialize in Christian Life Studies by choosing six credits from the following:

| | | |
|---------|---|-----------|
| THL 416 | For the Greater Glory: The Jesuits, History Spirituality | 3 credits |
| THL 457 | Biomedical Ethics: Philosophical and Theological Approaches | 3 credits |
| THL 458 | Theology and the Vocation to Health Care | 3 credits |
| THL 541 | God is Green | 3 credits |
| THL 560 | Theology of Ministry | 3 credits |
| THL 561 | Finding God in Daily Life: Prayer and Discernment | 3 credits |
| THL 563 | Contemporary Moral Problems | 3 credits |
| THL 564 | Christian Sexual Ethics | 3 credits |
| THL 565 | Catholic Social Teaching | 3 credits |
| THL 566 | Catholic Social and Sexual Ethics | 3 credits |
| THL 568 | Women in the Christian Tradition | 3 credits |
| THL 572 | Ethics and Spirituality | 3 credits |
| THL 573 | Religion and Politics | 3 credits |
| THL 574 | Faith and Food | 3 credits |
| THL 575 | Foundations of Christian Spirituality | 3 credits |
| THL 576 | Introduction to Jesuit Spirituality | 3 credits |
| THL 579 | Special Methods Teaching Religion Secondary Schools | 3 credits |
| THL 587 | Methods of Teaching Religion in Elementary School | 3 credits |
| THL 588 | Christian Ethics of War and Peace | 3 credits |
| THL 598 | Seminar Christian Life Studies | 3 credits |

APPLIED ETHICS MINOR

Program Description: An interdisciplinary program of studies designed to provide students with an understanding of applied ethics from two perspectives, philosophy and theology. The minor introduces students to the differences and similarities in philosophical and theological approaches to applied ethics, different theories of ethics in these two disciplines, and how to relate the two.

Contact: Julia A. Fleming, Professor of Theology; Eugene Selk, Associate Professor of Philosophy

*Foundational Ethics***(All of the following:)**

PHL 250 Philosophical Foundations for Ethical Understanding 3 credits

*Theological Ethics***(Two of the following:)**

THL 534 Introduction to Liberation Theology 3 credits
 THL 563 Contemporary Moral Problems 3 credits
 THL 564 Catholic Sexual Ethics 3 credits
 THL 565 Catholic Social Teaching 3 credits

*Philosophical Ethics***(Two of the following:)**

PHL 331 Moral Philosophy 3 credits
 PHL 343 Ethics and the Professions 3 credits
 PHL 348 Philosophy of Feminism 3 credits
 PHL 354 Environmental Ethics 3 credits
 PHL 359 History of Ethics 3 credits
 PHL 368 Moral Psychology 3 credits
 PHL 453 Ethics and Public Policy 3 credits
 PHL 455 Health Care, Society and Values 3 credits

(One additional course chosen from the lists above or from the following:)

JPS 588 Christian Ethics of War and Peace 3 credits
 SRP 457 Biomedical Ethics: Philosophical & Theological 3 credits
 SRP 409 Race and Gender Relations: Moral & Ethical Dilemmas 3 credits
 THL 250 Theological Foundations for Ethical Understanding 3 credits

BIBLICAL STUDIES MINOR

Program Description: The Biblical Studies minor examines historical, social, and literary contexts of the biblical texts, and their use in theological traditions. Students will explore the Old and New Testaments using the techniques of modern historical criticism.

Contact: Chair, Department of Theology

*Old Testament***(One of the following:)**

THL 201 Reading the Old Testament 3 credits
 THL 202 Creation and the Environment in the Bible 3 credits
 THL 203 Biblical Ancestors and Heroes 3 credits

*New Testament***(One of the following:)**

THL 205 Sickness, Disability, and Healing in the Bible 3 credits
 THL 207 Reading the New Testament 3 credits
 THL 208 New Testament Communities and Their Stories 3 credits
 THL 209 The Synoptic Gospels: The Life of Jesus 3 credits
 THL 210 Applying the Memory of Jesus: The Comm. of John 3 credits
 THL 212 Paul and His Legacy 3 credits

*Biblical Studies***(Six credits from the following:)**

| | | |
|---------|---|-----------|
| THL 501 | The Pentateuch | 3 credits |
| THL 502 | Old Testament Themes | 3 credits |
| THL 503 | The Prophetic Literature of the Old Testament | 3 credits |
| THL 504 | The Wisdom Literature of the Old Testament | 3 credits |
| THL 505 | History of Biblical Interpretation | 3 credits |
| THL 507 | Gospel of Matthew | 3 credits |
| THL 508 | The Gospel of Mark | 3 credits |
| THL 509 | The Gospel of Luke and the Acts of the Apostles | 3 credits |
| THL 511 | The Gospel of John | 3 credits |
| THL 514 | The Pastoral Epistles | 3 credits |
| THL 516 | The Book of Revelation (The Apocalypse) | 3 credits |
| THL 517 | The Parables of Jesus | 3 credits |
| THL 518 | Women and the Bible | 3 credits |
| THL 519 | Reading the Bible in the Context of the Time | 3 credits |
| THL 520 | The Dead Sea Scrolls | 3 credits |
| THL 523 | Israelite Religions | 3 credits |
| THL 524 | History of Ancient Israel | 3 credits |
| THL 525 | Archaeological Fieldwork and Analysis | 3 credits |
| THL 526 | Archaeology of Roman Palestine | 3 credits |
| THL 527 | Study Tour of Biblical Israel | 3 credits |
| THL 529 | Translations of the Bible | 3 credits |
| THL 594 | Seminar in Biblical Studies | 3 credits |

(Six additional credits chosen from the Biblical Studies list or from the following:)*Language*

| | | |
|---------|---|-----------|
| GRK 101 | Beginning Greek I | 3 credits |
| GRK 102 | Beginning Greek II | 3 credits |
| GRK 201 | Intermediate Greek | 3 credits |
| HEB 101 | Introduction to Classic Hebrew I | 3 credits |
| HEB 102 | Introduction to Classical Hebrew II | 3 credits |
| HEB 201 | Introduction to Classical Hebrew Poetry | 3 credits |

History/Archaeology

| | | |
|---------|---|-----------|
| CNE 315 | Religions in the Greco-Roman World | 3 credits |
| CNE 401 | Greek History to the Peloponnesian War | 3 credits |
| CNE 402 | Hellenistic History | 3 credits |
| CNE 403 | Roman Republic | 3 credits |
| CNE 404 | Roman Empire | 3 credits |
| CNE 418 | Great Empires of the Near East | 3 credits |
| CNE 419 | Ancient Egypt: History, Society and Culture | 3 credits |
| THL 350 | Archaeology of Israel and Jordan | 3 credits |

HISTORICAL AND SYSTEMATIC THEOLOGY MINOR

Program Description: The minor in Historical and Systematic Theology offers students an opportunity to explore the development of the Christian theological tradition in its historical complexity. The minor focuses on doctrinal themes such as Trinitarian thought, Christology, and Ecclesiology, but these themes are always treated in the context of their historical development. The minor in Historical and Systematic Theology focuses intensely on the conceptual coherence of the core beliefs about the nature of God, God's involvement in the world, and the mission of the Church in the world.

Contact: Chair, Department of Theology

*Scripture***(One of the following:)**

| | | |
|---------|---|-----------|
| THL 201 | Reading the Old Testament | 3 credits |
| THL 202 | Creation and the Environment in the Bible | 3 credits |
| THL 203 | Biblical Ancestors and Heroes | 3 credits |
| THL 205 | Sickness, Disability, and Healing in the Bible | 3 credits |
| THL 207 | Reading the New Testament | 3 credits |
| THL 208 | New Testament Communities and Their Stories | 3 credits |
| THL 209 | The Synoptic Gospels: The Life of Jesus | 3 credits |
| THL 210 | Applying the Memory of Jesus: The Comm. of John | 3 credits |
| THL 212 | Paul and His Legacy | 3 credits |

*Christian Theology***(One of the following:)**

| | | |
|---------|---|-----------|
| THL 324 | Scripture & Theology: The Birth of Christian Doctrine | 3 credits |
| THL 325 | Catholicism: Creed and Question | 3 credits |
| THL 326 | Defending the Christian Faith | 3 credits |
| THL 327 | Christianity and the Holocaust | 3 credits |
| THL 330 | Jesus Christ and the Salvation of the World | 3 credits |
| THL 331 | Jesus Christ: Liberator | 3 credits |
| THL 335 | Jesus Christ Yesterday and Today | 3 credits |
| THL 338 | Eucharist: Liturgical Theology and Practice | 3 credits |
| THL 339 | Theology of the Church and Sacraments | 3 credits |
| THL 343 | Ecclesiology in Global Context | 3 credits |
| THL 344 | Theology of Christian Marriage | 3 credits |
| THL 390 | History of the Christian Church | 3 credits |

*Historical-Doctrinal Theology***(Three of the following:)**

| | | |
|---------|--|-----------|
| THL 530 | Contemporary Catholic Theologians | 3 credits |
| THL 531 | Studies in Early Christianity | 3 credits |
| THL 533 | Ecclesiology: Contemporary Church Questions | 3 credits |
| THL 534 | Introduction to Liberation Theology | 3 credits |
| THL 535 | Doctrinal Development: Christology | 3 credits |
| THL 536 | The Mystery of God and Suffering of Human Beings | 3 credits |
| THL 537 | Doctrinal Development: Sin and Grace | 3 credits |
| THL 538 | Seminar in Christian Anthropology | 3 credits |
| THL 539 | Seminar in Christian Eschatology | 3 credits |
| THL 540 | Ecclesiology: The Documents of Vatican II | 3 credits |
| THL 541 | God is Green | 3 credits |
| THL 544 | Christian Celebration: The Liturgical Year | 3 credits |
| THL 545 | Liturgy and Christian Life | 3 credits |
| THL 552 | Studies in Medieval Christianity | 3 credits |
| THL 555 | Major Christian Theologian | 3 credits |
| THL 556 | Christianity and Modern Humanism | 3 credits |
| THL 596 | Seminar in Historical Studies | 3 credits |

One additional course from the 300- and 500-level courses listed above. 3 credits

CHRISTIAN LIFE STUDIES MINOR

Program Description: The minor in Christian Life Studies offers students an opportunity to explore the practical ways in which Christians "grow in the image and likeness of God," as that question has been addressed within the disciplines of Christian ethics and/or Christian spirituality. In Christian Ethics, students investigate the basic principles, values, and practices that ground an authentic moral life. In Christian Spirituality, students study how the tradition has addressed the human response to God in its personal and ecclesial contexts. The intentional breadth and flexibility of this minor give the opportunity to bridge the disciplines of Christian Ethics and Christian Spirituality and encourage students to follow and deepen personal interests.

Contact: Chair, Department of Theology

(All of the following:)

| | | |
|---------|---|-----------|
| THL 250 | Theological Foundations for Ethical Understanding | 3 credits |
|---------|---|-----------|

*Ethics and/or Spirituality***(Fifteen credits from the following:)**

| | | |
|---------|---|-----------|
| THL 416 | For the Greater Glory | 3 credits |
| THL 457 | Biomedical Ethics: Philosophical and Theological Approaches | 3 credits |
| THL 458 | Theology and the Vocation to Health Care | 3 credits |
| THL 541 | God is Green | 3 credits |
| THL 561 | Finding God in Daily Life: Prayer and Discernment | 3 credits |
| THL 563 | Contemporary Moral Problems | 3 credits |
| THL 564 | Christian Sexual Ethics | 3 credits |
| THL 565 | Catholic Social Teaching | 3 credits |
| THL 566 | Catholic Social and Sexual Ethics | 3 credits |
| THL 568 | Women in The Christian Tradition | 3 credits |
| THL 572 | Ethics and Spirituality | 3 credits |
| THL 573 | Religion and Politics | 3 credits |
| THL 574 | Faith and Food | 3 credits |
| THL 575 | Foundations of Christian Spirituality | 3 credits |
| THL 576 | Introduction to Jesuit Spirituality | 3 credits |
| THL 588 | Christian Ethics of War and Peace | 3 credits |
| THL 598 | Seminar Christian Life Studies | 3 credits |

Teacher Certification

Students who think they may teach Religious Education in secondary schools must consult with the Education Department, with the Theology Department, and with the appropriate agency in the state in which they intend to teach.

Certificate Programs in University College

This department offers four certificate programs to students in University College: *Liturgy, Ministry, Spirituality*, and *Theology*. See the descriptions for these certificates on page 273-275 in the University College section of the Bulletin.

For all THL courses, please refer to page 475.

WOMEN'S AND GENDER STUDIES

Program Director: Susan Calef

Program Office: Dowling Hall-Humanities Center, Room 125

Program Description: Women's and Gender Studies is an interdisciplinary program focused upon women, men and gender. As Women's Studies, the program highlights experiences and contributions of women, both historically and in contemporary society. As Gender Studies, the program explores constructions and experiences of diverse gender roles and orientations.

Web Contact/Information: Additional information about this program may be found at <http://puffin.creighton.edu/wgs/wgsNew/>. However, for definitive details, students are strongly encouraged to check the University's website for Bulletin changes at <http://www.creighton.edu/Registrar>.

PROGRAM IN WOMEN'S AND GENDER STUDIES

WOMEN'S AND GENDER STUDIES MINOR

Program Description: The Women's and Gender Studies minor is an interdisciplinary program that introduces students to the rapidly expanding areas of scholarship focused upon gender, women, and men. The program explores social constructions and experiences of gender roles of masculinity and femininity and diverse sexual orientations. While men are an expanding focus of Gender Studies, this program embraces foundations in Women's Studies and as such highlights the experiences and contributions of women, both historically and in contemporary society. In combination, students discover new, more inclusive ways of thinking and relating in contemporary society.

Contact: Director, Women's and Gender Studies Program

(All of the following:)

WGS 300 Introduction to Women's and Gender Studies 3 credits

(Fifteen credits from the following:)

| | | |
|---------|--|-------------|
| ARH 435 | Women, Art, and Society | 3 credits |
| ENG 312 | Mass Media and Modern Culture | 3 credits |
| HIS 390 | Biography as History | 3 credits |
| IDC 491 | Women in Science | 1 credit |
| PSY 374 | Human Sexuality | 3 credits |
| PSY 375 | Marriage and Family Relationships | 3 credits |
| PSY 428 | Multicultural Issues in Psychology | 3 credits |
| SOC 341 | American Cultural Minorities | 3 credits |
| SRP 437 | The Environment and Race, Class, and Gender | 3 credits |
| WGS 316 | Women in Ancient Greece and Hellenistic Egypt | 3 credits |
| WGS 317 | Women in Ancient Rome and Roman Egypt | 3 credits |
| WGS 318 | Gender in American Society | 3 credits |
| WGS 329 | Gender and Politics | 3 credits |
| WGS 348 | Philosophy of Feminism | 3 credits |
| WGS 360 | Gender, Society and Culture | 3 credits |
| WGS 366 | The Status of Women: Progress and Process | 3 credits |
| WGS 409 | Race and Gender Relations | 3 credits |
| WGS 410 | Women in Literature | 3 credits |
| WGS 440 | Gender Communication | 3 credits |
| WGS 460 | The History of Women in the United States | 3 credits |
| WGS 473 | The Psychology of Gender | 3 credits |
| WGS 477 | Gendered Health Across the Lifespan | 3 credits |
| WGS 479 | The Philosophy of Love and Sex | 3 credits |
| WGS 495 | Directed Independent Study | 1-3 credits |
| WGS 518 | Women and the Bible | 3 credits |
| WGS 551 | Women Writers in French and Francophone Literature | 3 credits |
| WGS 568 | Women in the Christian Tradition | 3 credits |

For all WGS courses, please refer to page 485.

OTHER ACADEMIC PROGRAMS

Arts-Engineering Program

Detroit Mercy Cooperative Engineering Program. The program consists of two years of pre-engineering at Creighton University followed by two years of cooperative engineering at the University of Detroit Mercy. After completing the academic requirements at the University of Detroit Mercy, the student will be awarded a Bachelor of Civil, Electrical, Manufacturing, or Mechanical Engineering. Students who successfully complete the following program (see grid), or an alternate approved program, will be unconditionally recommended for transfer to the Junior Class of the College of Engineering and Science at the University of Detroit Mercy; they will be certified as being qualified for cooperative industrial training in the Electrical and Computer, Mechanical, or Civil and Environmental departments.

| FIRST YEAR — CREIGHTON | | Second Semester | Sem. Hrs. |
|----------------------------------|------------------|---|-----------|
| <i>First Semester</i> | <i>Sem. Hrs.</i> | PHY 212 General Physics II | 4 |
| PHY 211 General Physics I | 4 | MTH 246 Calculus II | 4 |
| MTH 245 Calculus I | 4 | ENG 120 World Literature I | 3 |
| ENG 150 Rhetoric and Composition | 3 | PHL 107 Crit. and Hist. Intro. to Phil. | 3 |
| HIS 101 The Modern Western World | 3 | (One of the following:) | |
| THL 100 Christianity in Context | 3 | COM 152 Principles of Comm. Comp. | 3 |
| RSP 101 Ratio Studiorum Program | 1 | ENG 251 Advanced Composition | 3 |
| | 18 | | 17 |

SECOND YEAR — CREIGHTON

| <i>First Semester</i> | <i>Sem. Hrs.</i> | <i>Second Semester</i> | <i>Sem. Hrs.</i> |
|---------------------------------|------------------|----------------------------------|------------------|
| PHY 301* Modern Physics | 3 | Social Science | 3 |
| CHM 203/204 General Chemistry I | 4 | CHM 205/206 General Chemistry II | 4 |
| MTH 347 Calculus III | 4 | PHL 250 Ethics | 3 |
| Scripture (200-Level THL) | 3 | CSC 221 Intro to Programming | 3 |
| MTH 545 Differential Equations | 3 | PHL 591 Seminar in Engineering | 1 |
| (One of the following:) | | (One of the following:) | |
| PHY 302* Modern Physics Lab | 1 | PHY 522 Electric Circuits | 3 |
| PHY 303 Electronic Lab | 1 | MTH 529 Linear Algebra | 3 |
| | 18 | | 17 |

* PHY 301 and PHY 302 are required of Electrical Engineering majors at University of Detroit Mercy

Coordination with Engineering Programs of Other Institutions

The first-year program outlined above is the standard first-year program for most engineering schools with slight variations. A study of the first-year program at the engineering college of your choice will reveal those variations which can be accommodated in the students schedule. Students wishing to spend a second year at Creighton before making application to an engineering school are advised to contact that school directly for explicit approval of a second-year schedule.

Certificate in Business for Arts and Sciences Students

In cooperation with Creighton's College of Business Administration, students in the College of Arts and Sciences can earn a Certificate in Business Administration. Students wishing to complete this program must file an application with the Undergraduate Coordinator of the College of Business Administration no later than the beginning of their Junior year.

At least 19 of the 31 credits of courses required to complete this program must be taken in residence at Creighton.* In addition, students must achieve a cumulative GPA of 2.00. Arts and Sciences students are limited to no more than 31 credits of College of Business Administration courses.

| <i>Required Courses</i> | | <i>Credits</i> |
|-------------------------|--|----------------|
| ACC 201 | Introduction to Financial Accounting | 3 |
| ACC 202 | Introduction to Managerial Accounting | 3 |
| BIA 253 | Management Information Systems | 3 |
| BUS 201 | Legal Environment of Business | 3 |
| BUS 229 | Statistical Analysis | 4 |
| ECO 203 | Introductory Microeconomics | 3 |
| ECO 205 | Introductory Macroeconomics | 3 |
| FIN 301 | Managerial Finance | 3 |
| MGT 301 | Managerial Process and Organizational Behavior | 3 |
| MKT 319 | Principles of Marketing | 3 |

* Upon matriculation, a maximum of six credits may be taken as transient study.

PRE-PROFESSIONAL STUDY

Courses required as preparation for specialized professional study are organized into programs one to four years in length. Ordinarily they can be completed within the standard program leading to a Bachelor's degree.

In addition to the pre-professional courses of study outlined in this bulletin, a student in the College of Arts and Sciences may satisfy some of the pre-professional course requirements for professional education in architecture, dietetics, library science, mortuary science, optometry, osteopathy, veterinary medicine, etc. Students should consult the catalogs of the professional schools in which they are interested to identify the entrance requirements.

Pre-Law Study

Schools of Law consider all applicants who hold a bachelor's degree or its equivalent from an accredited college or university. Additional standards and conditions for admission may be imposed in some states. Similarly, Creighton's School of Law requires proof of a bachelor's degree prior to beginning legal studies. However, students enrolled in Creighton's 3/3 program will be considered for admission prior to receipt of their degree.

No single major or set of courses is required or recommended to those who wish to prepare for legal study. However, students should select courses which contribute to their skill in comprehension and expression in language, a thorough understanding of human institutions and values, and a capacity for clear, logical and creative thought.

Individualized advice on courses and programs is available from members of the Pre-Law Advising Committee, College of Arts and Sciences, or Pre-Law Advisor, College of Business Administration.

Pre-Health Sciences

Science in service to humanity in medicine, dentistry, and other health professions is a tradition at Creighton. The scientific and social challenges of today and tomorrow demand not only excellent professional training but also intellectual versatility, firmness of values, and commitment to lifelong learning, which lie at the heart of Creighton's undergraduate liberal education. For reasons such as these, health professions schools prefer applicants who have completed an undergraduate degree with a broad general education before entering professional school.

Advising of Pre-Health Sciences Students

Pre-health students at Creighton can benefit from a rich array of advising resources. The College of Arts and Sciences maintains an Advising Resources Center (ARC) in which students may consult materials both in print and online at <http://www.creighton.edu/health/prehealth/>. The College also sponsors regular group presentations on the curricular and procedural aspects of preparing to pursue a career in the health professions. Individual counseling is provided by members of a committee of Arts and Sciences faculty familiar with the most recent developments in the pre-health field. For freshman and sophomores, these advisors focus on selecting courses and majors; for juniors and seniors, on the process of selecting and applying to professional school. Designated members of the staff and faculty in each of Creighton's own professional schools serve as a third source of valuable advice and offer interested students the opportunity to "shadow" professionals in their field of greatest interest.

To access all of these resources, students interested in careers in the health sciences should go online at <http://www.creighton.edu/health/prehealth/> or contact the Advising Resources Center (ARC) in the Hixson-Lied Science Building, Room G06, at the earliest opportunity.

Pre-Dental General Requirements

In general, schools of dentistry require applicants to have completed course work in the basic sciences, but not in areas that duplicate dental school courses, and they seriously encourage study in the social sciences, the humanities, and mathematics. At Creighton, pre-dental students carry out these studies in a variety of programs leading to the baccalaureate degree. Although most students major in biology, chemistry, or psychology, others have majored in such fields as physics, mathematics, English, philosophy, and theology. Each student's program is designed so that by the end of the junior year he or she will have completed the basic requirements for application to professional school. The minimum requirements are as follows:

At least 90 semester hours (three years) of college work in an accredited institution, excluding physical education, and one-hour "drill-type" ROTC courses, but including 6 hours of English and one-year courses with laboratory in general biology, general chemistry, organic chemistry, and general physics.

Ordinarily in the summer following the junior year, students take the national admission examination, the DAT (Dental Admission Test). During the senior year, professional school admission committees review the students' applications. The first round of acceptances are announced on December 1 of the senior year.

Pre-Medical General Requirements

The Creighton University School of Medicine requires applicants to have completed specific courses in the basic sciences, and strongly urges students to consider advanced coursework particularly in biochemistry, but also in cell biology, genetics, anatomy, or physiology. The School also places considerable value on broad study of the social sciences, humanities, and mathematics, in addition to substantial experience in service to others. Extracurricular shadowing or work experiences related to the delivery of health care and scientific research are also highly valued by the Committee on Medical Admissions.

At Creighton, pre-medical students typically earn the baccalaureate degree with majors in the scientific fields of biology and chemistry, but a great many also major in other areas such as English, philosophy, psychology, and theology. Each pre-medical student's program should be designed so that by the end of the junior year these specific course requirements (listed with the number of credits each offers) for medical study will have been completed:

| | |
|---|-----|
| Biology, General with lab, 2/3 courses (211 and 212) | 8 |
| Chemistry, General I with laboratory (203/204) | 4 |
| Chemistry, General II with laboratory (205/206 or 285/286) | 4-5 |
| Chemistry, Organic I with laboratory (321/322) | 4 |
| Chemistry, Organic II with laboratory (323/324) | 4 |
| English, two courses, one of which must be English 150 or ENG 251 | 6 |
| Physics, General with laboratory, two courses (211 and 212) | 8 |

The Creighton pre-medical student should present a record of at least 90 semester hours of study, exclusive of credit in military science, physical education, or similar courses.

Ordinarily during the spring of the junior year through the beginning of the senior year (September), pre-medical students take the MCAT (Medical College Admissions Test). Applications should be submitted through AMCAS (American Medical College Application Service) as early as possible during the summer between the junior and senior years. A supplemental application to CUSOM is also required. During the senior year, the Committee on Medical Admissions reviews applications and invites the most promising applicants for interviews. Admission to medical school at Creighton is on a 'rolling' basis, thus early application is strongly advised. The Creighton University School of Medicine website is <http://medicine.creighton.edu>.

Pre-Pharmacy General Requirements

Pre-pharmacy preparation consists of at least 63 semester hours. Creighton undergraduates preparing for Creighton's pharmacy program must include the following courses and credits:

| | |
|---|----|
| General Biology I and II with labs (BIO 211, BIO 212) | 8 |
| General Chemistry I and II with labs (CHM 203, 204, 205, 206) | 8 |
| Organic Chemistry I and II with labs (CHM 321, 322, 323, 324) | 8 |
| Human Anatomy (PHA 213) | 3 |
| Calculus (MTH 141 or MTH 245) | 3 |
| English (including Composition, e.g., ENG 150 or ENG 251) | 6 |
| Speech (COM 151 or 152) | 3 |
| Psychology (PSY 111 or higher level course) | 3 |
| Microeconomics (ECO 203) | 3 |
| Theology | 6 |
| Electives* | 12 |

* At least nine of the elective hours must be taken in areas other than natural sciences and mathematics.

General Chemistry courses should be taken in the first pre-professional year. It is suggested that students take a maximum of 16 hours during the first semester of their pre-professional program. Creighton undergraduate students who complete the majority of their undergraduate coursework, including all science and math prerequisites, at Creighton **are not required to take the PCAT.**

Creighton Preference

The Pharmacy Admission Committee has a strong preference for Creighton undergraduate students who complete the majority of their undergraduate coursework at Creighton, including all prerequisites. All Creighton undergraduate students who have achieved a minimum overall grade point average (GPA) of 3.25 at the end of the semester in which the student applies will be guaranteed an interview.



Pre-Occupational Therapy General Requirements

Occupational Therapy is the art and science of facilitating well-being through occupation. The term "occupation" represents the flow of activities that fill a person's life and that have an effect on his or her health. The profession is particularly concerned with how people construct meaningful lives individually and in community. Occupational Therapy views people as multidimensional beings, blending knowledge from the biological and social sciences into a unique, distinct and holistic profession.

Creighton University offers a unique opportunity for doctoral level study in Occupational Therapy. Creighton's program is the first entry-level occupational therapy professional doctorate in the country. Since 1999, the Doctor of Occupational Therapy (OTD) has been the sole professional occupational therapy degree offered to students matriculating into the School of Pharmacy and Health Professions.

Beginning Fall 2010, admission to the Creighton University School of Pharmacy and Health Professions Doctor of Occupational Therapy Program will require a baccalaureate degree.

Prerequisites

In addition to or in combination with a baccalaureate degree, the courses listed below should be taken by pre-occupational therapy students. Together, the prerequisite courses and the OTD curriculum contribute to a broad understanding of human culture and prepare students to respond to the needs of society through professional practice. Questions regarding prerequisites may be directed to the School of Pharmacy and Health Professions Admission Office.

The School of Pharmacy and Health Professions will make the final determination regarding courses satisfying pre-occupational therapy requirements.

| Prerequisite Courses | Semester Hours | Quarter Hours |
|---|----------------|---------------|
| Theology, Philosophy and/or Ethics course (includes religion or logic) | 3 | 4.5 |
| Culture, Ideas and/or Civilizations course (includes history, world religions, American studies, world literature, or women's studies) | 3 | 4.5 |
| Anatomy (If enrolled in a combined anatomy/physiology course, 6 semester hours will be required.) | 3 | 4.5 |
| Psychology | 3 | 4.5 |
| English Composition (may be replaced with a hands-on fine or performing arts course) | 3 | 4.5 |
| Statistics | 3 | 4.5 |
| Medical Terminology (effective Fall 2011 entry term) | 1 | 1.5 |

Creighton Preference

The Occupational Therapy Admission Committee has a strong preference for Creighton undergraduate students who complete the majority of their undergraduate coursework at Creighton, including all prerequisites. All Creighton undergraduate students who have achieved a minimum overall grade point average (GPA) of 3.25 at the end of the semester in which the student applies will be guaranteed an interview.

Pre-Physical Therapy General Requirements

Preparation for the study of physical therapy consists of at least 90 semester hours. Creighton undergraduates planning to apply to Creighton's Physical Therapy program must complete the following specified courses and credits:

| | |
|---|--------|
| General Biology I and II with labs (BIO 211, BIO 212) | 8 |
| General Chemistry I and II with labs (CHM 203, 204, 205, 206) | 8 |
| General Physics I and II with labs (PHY 211, PHY 212) | |
| Human or Mammalian Physiology (BIO 449, BMS 303, or EXS 320) | 8 3 |
| English (including Composition, e.g., ENG 150 or ENG 251) | 6 |
| Theology | 6 |
| Electives | 51 |

Students applying to the program **who do not hold a bachelor degree must identify their major emphasis of study and satisfactorily complete 3 upper-level courses** (300-level and above) that total 9 semester hours, toward that major prior to matriculation.

Graduate Record Examination (GRE) scores must be submitted at the time of application to the Physical Therapy program. Sixteen of the 27 required science semester hours must be completed by the application deadline. It is recommended that students select elective courses from psychology, mathematics, anatomy, histology, physiology, exercise physiology, organic chemistry, biochemistry, statistics, and medical terminology. Students with alternative backgrounds, such as sociology, humanities, business, or biomedical engineering, are also encouraged to apply, as strong academic performance, rather than the area of academic emphasis, is the paramount consideration for admission.

Students should pursue a course of study leading to an Arts and Sciences degree. It is suggested that students take a maximum of 16 hours during the first semester of their pre-professional program.

Applicants must demonstrate an understanding of the profession gained through work, personal experiences, or other methods. The Admission Committee will specifically look for evidence of such understanding, along with academic ability, performance on standardized tests, and professionalism as demonstrated through required personal interviews.

Creighton Preference

The Physical Therapy Admission Committee has a strong preference for Creighton undergraduate students who complete the majority of their undergraduate coursework at Creighton, including science prerequisites. All Creighton undergraduate students who have achieved a minimum overall grade point average (GPA) of 3.25 at the end of the semester in which the student applies **will be guaranteed an interview.**

For more information

- * Visit our website: <http://spahp.creighton.edu/admission>
- * Contact our Admission Office: (800) 325-2830, ext. 1, or (402) 280-2662.
- * Email us: phaadmis@creighton.edu
- * Write us: Office of Admission, Creighton University School of Pharmacy and Health Professions, 2500 California Plaza, Omaha, NE, 68178.