

PROGRAMS OF STUDY

UNIVERSITY COLLEGE

Creighton's University College (<http://adultdegrees.creighton.edu/>) is an undergraduate college for non-traditional students wishing to pursue a degree or certificate program or who want to take classes for personal enrichment or professional advancement.

The Mission

In order to provide a value-centered education for its students in an atmosphere of concern for the individual, University College participates in the Catholic and Jesuit mission of Creighton, extending the commitments and resources of the University beyond traditional academic boundaries.

Admission

The normal minimum age for admission to University College is 23. Students may attend daytime or evening classes on a full- or part-time basis. Students will need to complete an application for admission. Students who have been accepted as degree- or certificate-seeking students are eligible to apply for financial aid. Special students taking courses not leading to a degree or certificate are not eligible for most financial aid. Persons who have been dismissed from any educational institution in the previous year are not eligible to enroll in University College.

THE PROGRAMS

Bachelor's Degree Programs

University College degree-seeking students may follow bachelor's degree programs from the College of Arts and Sciences or the College of Business Administration. Students may earn degrees in any of the major areas of study in either college. See page 104 for Arts and Sciences majors, and page 242 for Business Administration majors. While not all of these majors can be completed solely through evening offerings, there are many majors that lend themselves to the schedule of working adults. University College students may also follow a degree program offered in cooperation with the School of Pharmacy and Health Professions and leading to a Bachelor of Science in Emergency Medical Services (B.S.E.M.S.). Students may also follow a degree completion program offered in cooperation with the School of Dentistry and leading to a Bachelor of Science in Dental Hygiene (B.S.D.H.).

DEGREE REQUIREMENTS FOR BACHELOR OF ARTS, BACHELOR OF SCIENCE AND BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Specific degree requirements can be found on pages 106 and 243 for the Colleges of Arts and Sciences and Business Administration programs respectively.

ACCELERATED CREIGHTON

University College offers an accelerated Bachelor of Arts degree leading to majors in Communication Studies (Organizational Communication track) and English with a specialization in Creative Writing. All required core and major courses that normally take a full semester to complete, are offered on an intense eight-week schedule, meeting one evening per week. This allows the student to complete 12 hours (four courses) in a semester. This schedule permits a student to complete a degree in four years or less while continuing to work fulltime. The curriculum includes the College of Arts and Sciences core curriculum along with major requirements and electives. Students can use transfer courses when applicable to speed degree completion. Candidates for the baccalaureate degree must complete a minimum of 128 credit hours.

*Accelerated*Creighton also offers an Associate in Arts degree with a major in Organizational Communication and Certificates in Organizational Communication and Creative Writing which can be completed in the accelerated format. For a listing of the major requirements for the Associate in Arts Degree please consult page 288.

CORE CATEGORY A-D

Core A-D follows the College of Arts and Science Core (see pages 106-115 for list).

CORE CATEGORY E — SKILLS

College Writing

ENG 150 Rhetoric and Composition

Mathematics — (one of the following)

MTH 125 Practical Math

MTH 135 College Algebra

MTH 201 Applied Mathematics

MTH 245 Calculus I

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

Speech

COM 152 Principles of Communication Competence

Studio/Performing Arts

ART 104	Elementary School Art (EDU Majors)	DAN 131	Classical Ballet Studio, Basic I
ART 105	Art Fundamentals	DAN 153	Stagecraft
ART 153	Sculpture I	MUS 208	Jazz Ensemble I
ART 154	Clay Modeling I	MUS 209	Gospel Choir I
ART 155	Welded Metal Sculpture I	MUS 212	University Chorus I
ART 156	Bronze Casting I	MUS 218	Wind Ensemble I
ART 157	Stone Carving I	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 390	Sculptural Glass Casting	THR 121	Oral Interpretation of Literature
DAN 101	Introduction to the Dance	THR 131	Beginning Acting I
DAN 110/111	Dance Studies I/II	THR 153	Stagecraft I
DAN 121	Basic Modern Dance I	THR 271	Voice Class

Languages - 6 credit credits in one language area at 100 level or 3 credits of International/Global Studies

(See pages 108-111 for lists of Core courses.)

ACCELERATED PROGRAMS IN COMMUNICATION STUDIES

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

B. A., Major in Communication Studies: 36 Credits

The following courses are required.

(All of the following:)

COM 202	Communication Theories	3 credits
COM 203	Introduction to Communication Research Methods	3 credits
COM 352	Advanced Presentational Forms	3 credits
COM 362	Small Group Communication	3 credits
COM 490	Communication and Community	3 credits
COM 496	Communication Internships	3 credits

Organizational Communication

(All of the following:)

COM 320	Leadership: Theories, Styles, and Skills	3 credits
COM 360	Organizational Communication Theories	3 credits
COM 460	Advanced Organizational Communication	3 credits
COM 463	Organizational Assessment	3 credits
Six (6)	Elective hours of Upper-Division COM courses	6 credits

Certificate Program in Organizational Communication (27 credits)

A *Certificate of Organizational Communication* will be awarded to the students who successfully complete a total of 27 semester hours from the following courses:

COM 202	Communication Theories	3 credits
COM 203	Introduction to Communication Research Methods	3 credits
COM 352	Advanced Presentational Forms	3 credits
COM 360	Organizational Communication Theories	3 credits
COM 362	Small Group Communication	3 credits
COM 460	Advanced Organizational Communication	3 credits
COM 463	Organizational Assessment	3 credits
COM 496	Communication Internships	3 credits
Three additional hours	of 300-level or above COM courses.	3 credits

ACCELERATED 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 course (<i>see pages 147 for list</i>)		3 credits
Cultures and Identities course (<i>see pages 148 for list</i>)		3 credits
Writing and Languages course (<i>see pages 148 for list</i>)		3 credits
Authors or Genres course (<i>see pages 149-150 for list</i>)		3 credits

Specialization in Creative Writing

(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

Certificate Program in Creative Writing (21 credits)

A *Certificate in Creative Writing* will be awarded to the students who successfully complete a total of 21 semester hours from the following courses:

ENG 300	Introduction to Creative Writing	3 credits
ENG 301	Narrative Forms	3 credits
ENG 302	Poetic Forms	3 credits
ENG 403	Seminar in Creative Writing	6 credits

Two literature courses chosen in consultation with major advisor.

Students are strongly encouraged to take ENG 254 Writing About Literature as one of the required literature courses.

Prerequisite: Entry to the Certificate program requires evidence of prior achievement in creative writing in the form of a submitted manuscript (6-8 pages of poetry or 10-15 pages of fiction), to be judged by the Director of Creative Writing and/or a full-time member of the creative writing faculty.

BUSINESS ADMINISTRATION MINOR (OFFERED IN ACCELERATED FORMAT)

Program Description: The Business Administration minor offers the student the opportunity to achieve a basic understanding of business. Students will learn about markets, financial statements, organizational behavior, marketing concepts and strategy, and other areas of interest to the student. This minor is only available to students who are not in the College of Business Administration.

(All of the following:)

ACC 201	Introduction to Financial Accounting	3 credits
ECO 203	Introductory Microeconomics	3 credits
MGT 301	Managerial Process and Organizational Behavior	3 credits
MKT 319	Principles of Marketing	3 credits

(Two of the following:)

BUS 201	Legal Environment of Business	3 credits
FIN 353	Personal Financial Planning	3 credits
MIS 253	Management Information Systems	3 credits

BACHELOR OF SCIENCE, DENTAL HYGIENE (B.S.D.H.)

Creighton University School of Dentistry, through University College, offers a degree completion program in Dental Hygiene. This Bachelor of Science Degree in dental hygiene is designed to prepare the graduate to assume broader positions of responsibility in a variety of health care, research, business, community, and educational settings, and to adapt to new roles necessitated by the changing health care environment. It does so by offering a curriculum that encompasses the arts, humanities, basic and behavioral sciences, and advanced professional studies. Emphasis is placed on the basic principles of problem-solving and decision making, critical thinking, communication skills, and ethical behavior with a particular focus on life-long learning skills that can be applied to a multiplicity of roles and career settings.

The applicant for admission to this baccalaureate degree-completion program must show evidence of: (1) graduation with a minimum 2.5 GPA from an accredited dental hygiene program recognized by the American Dental Association (ADA) Commission on Dental Accreditation, (2) successful completion of the Dental Hygiene National Board Examination, (3) current licensure as a dental hygienist in any state in the United States or Canada, in good standing, and (4) satisfactory academic and professional references.

Candidates for the baccalaureate degree must complete a minimum of 128 credit hours: 64 dental hygiene transfer credits; 48 general study hours (English, Sociology, Theology, History, World Literature, Philosophy, Psychology, Anatomy and Physiology, Biochemistry, Microbiology, Speech, Ethics, etc.); and 18 dental science hours. Students who have completed the associate's degree in dental hygiene at Iowa Western Community College, which is affiliated with the Creighton University School of Dentistry, will be required to complete a minimum of 36 additional hours at Creighton University. Students who have met the above requirements from other institutions must complete a minimum of 48 hours at Creighton University. A cumulative grade point average of 2.0 is required for graduation with a Bachelor of Science degree in dental hygiene from the School of Dentistry. This average shall be computed only on the basis of all courses attempted while enrolled in University College in the program leading to a Bachelor of Science degree in dental hygiene.

Students will have a maximum of four years from the time of enrollment at Creighton University to complete their bachelor's degree requirements.

Degree requirements are listed below. Areas marked with (*) must be taken at Creighton.

Areas of Study	Semester Hours
Dental Hygiene	64 credits
Theology, Philosophy, Ethics* (Core A)	6 credits
Cultures, Ideas and Civilizations* (Core B)	9 credits
Natural Science (Core C)	16 credits
Social and Behavioral Sciences (Core D)	6 credits
Skills* (3 hrs. at Creighton) (Core E)	9 credits
Dental Science* (Core F)	<u>18 credits</u>
Total semester hours	128 credits

Core A: Theology, Philosophy, Ethics – 6 hours

PHL/THL 250	Foundations for Ethical Understanding	3 credits
(One of the following:)		
THL 100	Christianity in Context	3 credits
THL 201	Reading the Old Testament	3 credits
THL 202	Creation and Apocalypse	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	3 credits
THL 212	Paul and His Legacy	3 credits

Core B: Cultures/Ideas/Civilizations – 9 hours

PHL 107	Critical and Historical Introduction to Philosophy	3 credits
(One of the following:)		
HIS 101	The Modern Western World	3 credits
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
(One of the following:)		
ENG 120 or 121	World Literature I or II	3 credits

Core C: Natural Sciences – 16 hours (Prerequisites for Iowa Western Community College Associate's Degree in Dental Hygiene Program)

BMS 111	Basic Human Anatomy	4 credits
BMS 303	Physiology	4 credits
BMS 301	Biochemistry	4 credits
MIC 141	Microbiology	4 credits

Core D: Social and Behavioral Sciences – 6 hours

(One course from any two different subject areas)

ANT 111	Human Variation	3 credits
ECO 203	Introductory Microeconomics	3 credits
PLS 101	Introduction to Politics	3 credits
PLS 105	Introduction to World Politics	3 credits
PLS 121	American Government and Politics	3 credits
PLS 215	Comparative Political Systems	3 credits
SOC 101	Self and Society	3 credits
SOC 223	Social Problems	3 credits
PSY 111	Introductory Psychology	3 credits

Core E: Skills – 9 hours

ENG 150	Rhetoric and Composition	3 credits
(Six credits from the following:)		
COM 152	Principles of Communication Competence	3 credits
MTH 135	College Algebra	3 credits
MTH 137	Trigonometry	3 credits
MTH 201	Applied Mathematics	3 credits
MTH 245	Calculus I	3 credits
PHA 444	Biostatistics and Research Design	3 credits

Core F: Dental Science – 18 hours from the following:

CPD 111	Interpersonal Relationships and Communication	2 credits
CPD 115	History of Dentistry	1 credit
CPD 132	Community Dentistry Field Experience	1 credit
CPD 431	Ethics in the Practice of Dentistry II	1 credit
CPD 433	Financial Planning and Jurisprudence	2 credits
GDS 115	Dental Materials Lecture	2 credits
GDS 116	Dental Materials Laboratory	2 credits
GDS 135	Dental Materials Lecture	4 credits
GDS 136	Dental Materials Laboratory	2 credits
GDS 211	Infectious Disease Control in Dentistry	2 credits
GDH 232	Oral Hygiene	1 credit
GDS 219	General Pathology	9 credits
GDS 235	Oral Pathology	8 credits
GDD315	Dental Management of Medically Complex Patients	2 credits
ORB 113	Histology	8 credits
ORB 115	General Gross Anatomy	10 credits
ORB 131	Head and Neck Anatomy	9 credits
ORB 133	Oral Histology and Embryology	8 credits
ORB 137	Nutrition	2 credits
ORB 311	Dental Pharmacology I	5 credits
ORB 331	Dental Pharmacology II	3 credits
PER 213	Periodontology Lecture	2 credits
PER 233	Periodontology Lecture	2 credits
PER 313	Periodontology Lecture	2 credits
GDS, PER or CPD	Directed Studies	1-3 credits

*DEGREE REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN EMERGENCY
MEDICAL SERVICES (BSEMS) (<http://ems.creighton.edu>)
EMS Standard Curriculum - 128 Credits*

EMS CORE Categories**Theology/Philosophy/Ethics (9 Sem. Hrs.)**

THL 100	Christianity in Context	3 credits
(One of the following:)		
THL 201	Reading the Old Testament	3 credits
THL 202	Creation and Apocalypse	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	3 credits
THL 212	Paul and His Legacy	3 credits

(One of the following:)

PHL 250	Philosophical Foundations for Ethical Understanding	3 credits
THL 250	Foundations for Ethical Understanding	3 credits

Culture/Ideas/Civilization (15 Sem. Hrs.)

ENG 120	World Literature I	3 credits
ENG 121	World Literature II	3 credits
HIS 101	History of the Modern Western World	3 credits
PHL 107	Critical/Historical Intro. to Philosophy	3 credits
International and Global Studies Course (see list on pages 109-110)		3 credits

Natural Sciences (14 Sem. Hrs.)

BIO 149	Human Biology	3 credits
BMS 111	Basic Human Anatomy	4 credits
BMS 303	Physiology	4 credits
CHM 111	Fundamentals of General Chemistry	3 credits

Social/Behavioral Sciences (6 Sem. Hrs.)

PSY 111	Introductory Psychology	3 credits
(Three credits from one of the following:)		
	Anthropology/Economics/Political Science/Sociology	3 credits

Skills (12 Sem. Hrs.)

ENG 150	Rhetoric and Composition	3 credits
COM 152	Principles of Communication Competence	3 credits
(One of the following:)		
	Fine and Performing Arts Course (ARH, ART, DAN, MUS, THR)	3 credits
	Language Course (ARA, CHN, FRN, GER, HEB, ITA, JPN, LAT, RUS, SPN)	3 credits
(One of the following:)		
MTH 135	College Algebra	3 credits
MTH 201	Applied Mathematics	3 credits

Electives (17 Sem. Hrs.) 17 credits

EMS Major (55 Sem. Hrs.)

Prerequisite: EMS 101 Fundamentals of Emergency Medical Services – with grade of “C” or better or equivalent course and successful completion of entrance exam.

(All of the following:)

EMS 101	Fundamentals of Emergency Medical Services	4 credits
EMS 301	Preparatory	5 credits
EMS 403	Patient Assessment	3 credits
EMS 405	Airway Management/Ventilation	1 credit
EMS 407	Trauma Management	4 credits
EMS 410	Medical Emergencies I	2 credits
EMS 411	Special Considerations	3 credits
EMS 412	Medical Emergencies II	5 credits
EMS 413	Operations	2 credits
EMS 414	Medical Emergencies III	5 credits
EMS 415	Assessment Based Management	1 credit
EMS 416	Medical Emergencies IV	4 credits
EMS 420	Clinical Practicum I	1 credit
EMS 421	Field Practicum I	1 credit
EMS 422	Clinical Practicum II	2 credits
EMS 423	Field Practicum II	2 credits
EMS 424	Clinical Practicum III	2 credits
EMS 425	Field Practicum III	2 credits

(Six credits from the following:)

EMS 440	Educational Planning and Assessment	3 credits
EMS 470	Management of EMS	3 credits
EMS 475	Critical Care Paramedic Preparatory	2 credits
EMS 479	Special Topics in EMS	1-3 credits
EMS 480	Critical Care Paramedic	6 credits
EMS 493	Directed Independent Readings	1-3 credits
EMS 495	Directed Independent Study	1-3 credits
EMS 497	Directed Independent Research	1-3 credits

Students who have successfully completed the major courses are eligible for national registry or state certification as paramedics.

EMS - Pre-Accelerated Nursing Curriculum - 128 Credits

EMS CORE Categories

Theology/Philosophy/Ethics (9 Sem. Hrs.)

THL 100 Christianity in Context 3 credits

(One of the following:)

THL 201 Reading the Old Testament 3 credits

THL 202 Creation and Apocalypse 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 3 credits

THL 212 Paul and His Legacy 3 credits

(One of the following:)

PHL 250 Philosophical Foundations for Ethical Understanding 3 credits

THL 250 Foundations for Ethical Understanding 3 credits

Culture/Ideas/Civilization (18 Sem. Hrs.)

ENG 120 World Literature I 3 credits

ENG 121 World Literature II 3 credits

HIS 101 History of the Modern Western World 3 credits

PHL 107 Critical/Historical Intro. to Philosophy 3 credits

International and Global Studies Course (see list on pages 109-110) 3 credits

Natural Sciences (21 Sem. Hrs.)

BMS 111 Basic Human Anatomy 4 credits

BMS 303 Physiology 4 credits

CHM 111 Fundamentals of General Chemistry 3 credits

CHM 112/113 Fundamentals of Biological Chemistry and Lab 4 credits

MIC 141 Microbiology 4 credits

NUR 223 Nutrition 2 credits

Social/Behavioral Sciences (9 Sem. Hrs.)

PSY 111 Introductory Psychology 3 credits

SOC 101 Self and Society 3 credits

(One of the following:)

NUR 228 Lifespan Development 3 credits

PSY 271 Developmental Psychology 3 credits

Skills (9 Sem. Hrs.)

ENG 150 Rhetoric and Composition 3 credits

COM 152 Principles of Communication Competence 3 credits

MTH 201 Applied Mathematics 3 credits

Electives (10 Sem. Hrs.)

10 credits

EMS Major (55 Sem. Hrs.)

Prerequisite: EMS 101 Fundamentals of Emergency Medical Services – with grade of “C” or better or equivalent course and successful completion of entrance exam.

(All of the following:)

EMS 101	Fundamentals of Emergency Medical Services	4 credits
EMS 301	Preparatory	5 credits
EMS 403	Patient Assessment	3 credits
EMS 405	Airway Management/Ventilation	1 credit
EMS 407	Trauma Management	4 credits
EMS 410	Medical Emergencies I	2 credits
EMS 411	Special Considerations	3 credits
EMS 412	Medical Emergencies II	5 credits
EMS 413	Operations	2 credits
EMS 414	Medical Emergencies III	5 credits
EMS 415	Assessment Based Management	1 credit
EMS 416	Medical Emergencies IV	4 credits
EMS 420	Clinical Practicum I	1 credit
EMS 421	Field Practicum I	1 credit
EMS 422	Clinical Practicum II	2 credits
EMS 423	Field Practicum II	2 credits
EMS 424	Clinical Practicum III	2 credits
EMS 425	Field Practicum III	2 credits

(Six credits from the following:)

EMS 440	Educational Planning and Assessment	3 credits
EMS 470	Management of EMS	3 credits
EMS 475	Critical Care Paramedic Preparatory	2 credits
EMS 479	Special Topics in EMS	1-3 credits
EMS 480	Critical Care Paramedic	6 credits
EMS 493	Directed Independent Readings	1-3 credits
EMS 495	Directed Independent Study	1-3 credits
EMS 497	Directed Independent Research	1-3 credits

Students who have successfully completed the major courses are eligible for national registry or state certification as paramedics.

EMS-Pre-Medical Curriculum - 128 Credits

EMS CORE Categories

Theology/Philosophy/Ethics (9 Sem. Hrs.)

THL 100	Christianity in Context	3 credits
---------	-------------------------	-----------

(One of the following:)

THL 201	Reading the Old Testament	3 credits
THL 202	Creation and Apocalypse	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	3 credits
THL 212	Paul and His Legacy	3 credits

(One of the following:)

PHL 250	Philosophical Foundations for Ethical Understanding	3 credits
THL 250	Foundations for Ethical Understanding	3 credits

Culture/Ideas/Civilization (15 Sem. Hrs.)

ENG 120	World Literature I	3 credits
ENG 121	World Literature II	3 credits
HIS 101	History of the Modern Western World	3 credits
PHL 107	Critical/Historical Intro. to Philosophy	3 credits
	International and Global Studies Course (see list on pages 109-110)	3 credits

Natural Sciences (32 Sem. Hrs.)

BIO 211	General Biology: Molecular and Cellular	4 credits
BIO 212	General Biology: Organismal and Population	4 credits
CHM 203/204	General Chemistry I and Lab	4 credits
CHM 205/206	General Chemistry II and Lab	4 credits
CHM 321/322	Organic Chemistry I and Lab	4 credits
CHM 323/324	Organic Chemistry II and Lab	4 credits
PHY 211	General Physics I	4 credits
PHY 212	General Physics II	4 credits

Social/Behavioral Sciences (6 Sem. Hrs.)**(Six credits from the following:)**

Anthropology/ Economics/ Political Science/ Psychology/ Sociology	6 credits
---	-----------

Skills (10 Sem. Hrs.)

ENG 150	Rhetoric and Composition	3 credits
MTH 245	Calculus I	4 credits

(Three credits of the following:)

Fine and Performing Arts Course (ARH, ART, DAN, MUS, THR)	3 credits
Foreign Language Course (ARA, CHN, FRN, GER, HEB, ITA, JPN, LAT, RUS, SPN)	3 credits

Elective (1 Sem. Hrs.)

1 credit

EMS Major (55 Sem. Hrs.)

Prerequisite: EMS 101 Fundamentals of Emergency Medical Services – with grade of “C” or better or equivalent course and successful completion of entrance exam.

(All of the following:)

EMS 101	Fundamentals of Emergency Medical Services	4 credits
EMS 301	Preparatory	5 credits
EMS 403	Patient Assessment	3 credits
EMS 405	Airway Management/Ventilation	1 credit
EMS 407	Trauma Management	4 credits
EMS 410	Medical Emergencies I	2 credits
EMS 411	Special Considerations	3 credits
EMS 412	Medical Emergencies II	5 credits
EMS 413	Operations	2 credits
EMS 414	Medical Emergencies III	5 credits
EMS 415	Assessment Based Management	1 credit
EMS 416	Medical Emergencies IV	4 credits
EMS 420	Clinical Practicum I	1 credit
EMS 421	Field Practicum I	1 credit
EMS 422	Clinical Practicum II	2 credits
EMS 423	Field Practicum II	2 credits
EMS 424	Clinical Practicum III	2 credits
EMS 425	Field Practicum III	2 credits

(Six credits from the following:)

EMS 440	Educational Planning and Assessment	3 credits
EMS 470	Management of EMS	3 credits
EMS 475	Critical Care Paramedic Preparatory	2 credits
EMS 479	Special Topics in EMS	1-3 credits
EMS 480	Critical Care Paramedic	6 credits
EMS 493	Directed Independent Readings	1-3 credits
EMS 495	Directed Independent Study	1-3 credits
EMS 497	Directed Independent Research	1-3 credits

Students who have successfully completed the major courses are eligible for national registry or state certification as paramedics.

It is recommended that pre-med students take additional upper-division science electives including BIO 317 Genetics; CHM 318 Fundamentals or Biochemistry or BMS 301 Biochemistry. They should consult with a pre-med advisor to ensure timely and appropriate preparation for the MCAT.

PARAMEDIC CERTIFICATE CONVERSION TO ACADEMIC CREDIT

Creighton University recognizes that a number of vocational-technical training programs offer health care courses that are substantially equivalent to accredited academic degree program courses. As some practicing paramedics want to obtain an academic degree at later stages of their lives and careers, a transitional program has been developed by Creighton University EMS Education that recognizes a student's prior education and clinical experience and offers transitional academic courses that are designed to complement prior technical courses with the rigorous academic coursework that is consistent with baccalaureate studies in the sciences.

Eligibility Requirements

1. A minimum of three continuous years of fulltime active experience as a practicing clinical paramedic with an active, moderately busy, or busy service, (i.e., a service with a minimum of 1,000 responses per year per paramedic fulltime unit staffing) immediately prior to application to the course.
2. National Registry Certification as a paramedic
3. No loss of licensure or certification for disciplinary or punitive reasons at any time; no inactive status of lapses in certifications for more than 6 months for any cause
4. Excellent scholastic record in primary paramedic course
5. Academic excellence in lower division credit courses (minimum 2.50 GPA, including algebra, biology, chemistry, English composition, and psychology)
6. Excellent letters of recommendation from two EMS supervisors one from an EMS medical director.

Program Requirements:

1. A comprehensive assessment of cognitive, psychomotor and affective skills conducted by written, oral and practical evaluation methods.
2. Completion of a clinical bridge course involving 3-9 credit hours to complement gaps in knowledge and skills that were identified in the comprehensive assessment.
3. Identical summative performance testing at the current paramedic class performance standards.
4. Successful completion of a transitional independent study bridge course of 3-9 credit hours that is designed to complement prior vocational-technical training with academic standards of performance.
5. Successful completion of 9 credit hours of 400-level academic EMS courses.

Transferability

Standard Creighton University policies on acceptance and transfer of academic credits from other accredited institutions will be applied.

Tuition

Charges for academic paramedic credits that are being converted in the transition program will be at 70% of the full tuition rate at the time of acceptance and enrollment in the program. Additional credits taken at Creighton University toward degree completion will be charged at the prevailing rate at the time the courses are taken.

Required Courses

EMS 450	Paramedic Certificate-to-Academic Transition	3-6 credits
EMS 455	Paramedic Clinical Transition	3-6 credits

AWARDING OF DEGREES

Most degrees are awarded by the college in which the program originates. Bachelor of Arts, Bachelor of Science, Associate in Arts and Associate in Science degrees are awarded by the College of Arts and Sciences; the Bachelor of Science in Business Administration is awarded by the College of Business Administration. The Associate in Science in Emergency Medical Services and the Bachelor of Science in Emergency Medical Services are awarded by the School of Pharmacy and Health Professions. The Bachelor of Science in Dental Hygiene is awarded by the School of Dentistry.

University College students complete the degree requirements established by the school awarding the degree. See pages 243-247 for the general and major requirements for a Bachelor of Science in Business Administration. General requirements for College of Arts and Sciences degrees can be found on pages 104-233. Specific Arts and Sciences major requirements are given under each department's listing in the Courses of Instruction section. General and major requirements for the Bachelor of Science in Emergency Medical Services and the Bachelor of Sciences in Dental Hygiene are above and on the preceding pages.

ASSOCIATE DEGREES

Associate degrees are available to students enrolled in University College only. A candidate for an Associate in Arts or Associate in Science degree must have earned 64 semester hours of credit with a grade point average (GPA) of 2.00 or above for all courses attempted at Creighton University and 2.00 or above for all courses in the field of concentration. The ASEMS degree requires a total of 73 semester hours. Students who earn an associate degree may continue on for a bachelor's degree. All work completed in an associate degree program can be applied toward a bachelor's degree.

At least half (32) of the hours for the Associate in Science or Associate in Arts must be completed in residence at Creighton University. At least 15 semester hours in the major field must be completed at Creighton.

Associate in Arts degrees are offered in three major fields: Organizational Communication, Spirituality, and Theology. The Associate in Arts, major in Organizational Communication degree program is available in an accelerated format. The Associate in Science degree is offered with majors in Computer Science, Mathematics, and Emergency Medical Services. Associate Degree requirements follow.

Associate Degree Requirements

Core Curriculum for All Majors

Category A: Theology, Philosophy, and Ethics (9 credits)

THL 100	Religious Inquiry	3 credits
THL 200-level	Scripture Course	3 credits

(One of the following:)

PHL 250	Phl. Foundations for Ethical Understanding	3 credits
THL 250	Thl. Foundations for Ethical Understanding	3 credits

Category B: Cultures, Ideas, and Civilizations (9 credits)

HIS 101	The Modern Western World	3 credits
PHL 107	Critical and Historical Intro. to Philosophy	3 credits

(One of the following:)

ENG 120	World Literature I	3 credits
ENG 121	World Literature II	3 credits

Category C: Natural Sciences (4 credits)

(One approved course with laboratory from the following areas:)

Atmospheric Sciences/Biology/Chemistry/
Environmental Sciences/Physics 4 credits

Category D: Social Sciences (3 credits)

(One approved course from the following areas:)

Anthropology/Economics/Political Science/
Psychology/Sociology 3 credits

Category E: Skills (6-7 credits)

(Two courses from the following:)

ENG 150 Rhetoric and Composition 3 credits

Classical or Modern Languages course 3 credits

Studio/Performing Arts course 3 credits

COM 152 Principles of Communication Competence **OR**

MTH 201 Applied Mathematics OR MTH 245 Calculus I (3-4 hrs.)

Total Core Requirements (Applicable to all majors except EMS) 31-32 credits

ASSOCIATE IN ARTS DEGREES

Spirituality Major (64 credits)

Core Curriculum Requirements (See above) 31-32 credits

Spirituality Major Requirements (25 credits)

One course in Old Testament 3 credits

One course in New Testament 3 credits

THL 250 Theological Foundations for Ethical Understanding 3 credits

THL 491 Seminar in Liturgy/Ministry/Spirituality/Theology 3 credits

THL 544 Christian Celebration 3 credits

THL 561 Finding God in Daily Life 3 credits

THL 575 Foundations of Christian Spirituality 3 credits

(Two courses from the following:)

THL 325 Catholicism: Creed and Question 3 credits

THL 335 Jesus Christ: Yesterday and Today 3 credits

THL 339 Theology of the Church and Sacraments 3 credits

Electives 7-8 credits

Theology Major (64 credits)

Core Curriculum Requirements (See above) 31-32 credits

Theology Major Requirements (25 credits)

One course in Old Testament 3 credits

One course in New Testament 3 credits

THL 250 Theological Foundations for Ethical Understanding 3 credits

THL 491 Seminar in Liturgy/Ministry/Spirituality/Theology 3 credits

THL 544 Christian Celebration 3 credits

THL 561 Finding God in Daily Life 3 credits

(Two courses from the following:)

THL 325 Catholicism: Creed and Question 3 credits

THL 335 Jesus Christ: Yesterday and Today 3 credits

THL 339 Theology of the Church and Sacraments 3 credits

Two 300-500 level course chosen in consultation with advisor 6 credits

Electives 7-8 credits

Organizational Communication Major (64 credits)

Core Curriculum Requirements		31-32 credits
<i>Major Requirements (33)</i>		
COM 202	Communication Theories	3 credits
COM 203	Introduction to Communication Research Methods	3 credits
COM 320	Leadership: Theories, Styles and Skills	3 credits
COM 352	Advanced Presentational Forms	3 credits
COM 360	Organizational Communication Theories	3 credits
COM 362	Small Group Communication	3 credits
COM 460	Advanced Organizational Communication	3 credits
COM 464	Organizational Training and Development	3 credits
COM 496	Communication Internship	3 credits
	Six hours upper-division COM courses	6 credits

ASSOCIATE IN SCIENCE DEGREES

Computer Science Major (64 credits)

Core Curriculum Requirements		31-32 credits
<i>Major Requirements (24 credits)</i>		
CSC 221	Computer Programming I	3 credits
CSC 222	Computer Programming II	3 credits
CSC 309	Discrete Structures	3 credits
CSC 414	Introduction to Computer Organization	3 credits
CSC 427	Data Structures and Algorithm Analysis	3 credits
	Nine semester hours in 400-level or above CSC courses	9 credits
	Electives	8-9 credits

Mathematics Major (64 credits)

Core Curriculum Requirements		31-32 credits
<i>Major Requirements (27 credits)</i>		
MTH 245	Calculus I	4 credits
MTH 246	Calculus II	4 credits
MTH 310	Fundamentals of Mathematics	3 credits
MTH 347	Calculus III	4 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
	Electives	5-6 credits

ASSOCIATE IN SCIENCE IN EMERGENCY MEDICAL SERVICES (A.S., E.M.S.)

Emergency Medical Services Major (73 credits)

<i>Core requirements (24 credits)</i>		
Category A: Theology, Philosophy, and Ethics		6 credits
Category B: Culture, Ideas, and Civilizations		6 credits
Category D: Social/Behavioral Sciences		3 credits
Category E: Skills		9 credits
<i>Major Requirements (49 credits)</i>		
EMS 101, 301, 403, 405, 407, 410, 411, 412, 413, 414, 415, 416, 420, 421, 422, 423, 424, 425		49 credits

(Call the University College Dean's Office, 280-2424 or 1-800-637-4279, to request a brochure listing suggested courses for the ASEMS degree.)

CERTIFICATE PROGRAMS

Persons who may not initially want to follow a bachelor's degree program may enroll in one of the 19 certificate programs offered by University College (<http://adultdegrees.creighton.edu>). Those without prior college work may elect to complete a certificate program first and have the option of continuing with the complete degree program. Others who have previously completed a Bachelor's degree may want to enroll in a certificate program for personal enrichment or in order to show a concentration in another area of study.

Courses required in most of the certificate programs meet some of the major requirements in the degree programs. (The Certificate in Business Administration includes the introductory courses in Accounting, Business, Economics, Finance, Management, Marketing, and Management Information Systems.) The certificate programs are:

Applied Computer Science	Irish Literature and Culture
Atmospheric Sciences	Liturgy
Business Administration	Mathematics
Computer Science	Ministry
Corporate Communication	Organizational Communication
Creative Writing	Pre-Health Sciences
Environmental Science	Psychology
Health Administration and Policy	Spirituality
Human Resources Administration	Theology
Interpersonal Communication	

To be eligible for a certificate, students must complete all required courses with grades of "C" or better. Courses completed with grades below "C" must be repeated. Unless otherwise stated, at least half of the course work must be completed at Creighton. Students who complete courses required for a certificate may also use these courses to meet degree requirements.

Individuals who want to follow a certificate program should complete the Application for Admission available in the Dean's Office or at <http://adultdegrees.creighton.edu>.

Certificate Program in Applied Computer Science (24 credits)

A *Certificate in Applied Computer Science* will be awarded to students who complete the following requirements, a total of 24 semester hours:

CSC 221	Computer Programming I	3 credits
CSC 222	Computer Programming II	3 credits
CSC 444	Human Computer Interaction	3 credits
CSC 452	Windows Programming	3 credits
CSC 538	Network LAN and NOS	3 credits
CSC 542	Relational Database Design	3 credits
CSC 548	Object Oriented Programming	3 credits
CSC 551	Web Programming	3 credits

Certificate Program in Atmospheric Sciences (38 credits)

Atmospheric Sciences 113 is a prerequisite for most upper division courses in Atmospheric Sciences.

Advanced placement is available to students who qualify, particularly for those with meteorological training with the aviation industry, the National Weather Service, or branches of the military. For information contact the Atmospheric Sciences Chair.

A *Certificate of Atmospheric Sciences* will be awarded to students who complete the following courses:

ATS 113	Introduction to Atmospheric Sciences	3 credits
ATS 553	Tropical Meteorology	3 credits
ATS 555	Meteorological Remote Sensing	3 credits
ATS 561	Synoptic Meteorology	4 credits

ATS 562	Synoptic Meteorology II	3 credits
ATS 571	Dynamic Meteorology I	3 credits
ATS 572	Dynamic Meteorology II	3 credits
MTH 245	Calculus I	4 credits
MTH 246	Calculus II	4 credits
PHY 211	General Physics I and Lab	4 credits
PHY 212	General Physics II and Lab	4 credits

Certificate Program in Business Administration (31 credits)

A student enrolled outside the College of Business Administration who does not plan to earn a bachelor's or master's degree from the College of Business Administration, may earn a Certificate of Business Administration.

A certificate in Business Administration prepares a non-business student for graduate work in a Master of Business Administration Program. The certificate courses are the majority of the foundation courses, which along with a bachelor's degree in any discipline, are required for a student seeking admission to the M.B.A. and M.S.-I.T.M. programs.

A *Certificate of Business Administration* will be awarded to students who successfully complete the following requirements, a total of 31 semester hours:*

ACC 201	Introduction to Financial Accounting	3 credits
ACC 202	Introduction to Managerial Accounting	3 credits
BUS 201	Legal Environment of Business	3 credits
BUS 229	Statistical Analysis	4 credits
ECO 203	Introductory Microeconomics	3 credits
ECO 205	Introductory Macroeconomics	3 credits
FIN 301	Managerial Finance	3 credits
MGT 301	Managerial Process and Org. Behavior	3 credits
MIS 253	Management Information Systems	3 credits
MKT 319	Principles of Marketing	3 credits

***Please Note:** The 31 required certificate hours is the maximum number of credits in which a non-business administration student may enroll in the College of Business Administration.

While no specific mathematics courses are required for the certificate, successful completion of BUS 229 will necessitate mathematical proficiency equivalent to MTH 201 (Applied Mathematics) and either MTH 141 (Applied Calculus) or MTH 245 (Calculus I).

Of the 31 required hours, at most 12 hours of transfer credits can be applied toward the Business Certificate. Once a student has matriculated to Creighton, only 6 of the 12 transfer hours allowed may be taken as transient study. In addition, the student must attain a cumulative GPA of 2.0 or better in all business administration courses.

Degree seeking students who have completed the requirements of the certificate will be awarded the Certificate of Business Administration at the time of graduation. Non-degree seeking students will be awarded the certificate upon completion of the requirements of the certificate.

Certificate Program in Computer Science (24 credits)

A *Certificate in Computer Science* will be awarded to students who complete the following:

CSC 221	Computer Programming I (Required)	3 credits
CSC 222	Computer Programming II (Required)	3 credits
CSC 309	Discrete Structures	3 credits
CSC 414	Introduction to Computer Organization	3 credits
CSC 427	Data Structure and Algorithm Analysis	3 credits

Three additional 400-level-or-above computer science courses are required.

Certificate Program in Corporate Communication (27 credits)

A *Certificate of Corporate Communication* will be awarded to the students who successfully complete a total of 27 semester hours from the following courses:

Required for Admission: 2.25 GPA and COM 152

COM 202	Communication Theories	3 credits
COM 203	Introduction to Communication Research Methods	3 credits
COM 321	Persuasion	3 credits
COM 352	Advanced Presentational Forms	3 credits
COM 362	Small Group Communication	3 credits
COM 496	Communication Internship	3 credits
JMC 323	Principles of Public Relations	3 credits

(One of the following electronic communications courses:)

JMC 325	Digital Video Photography	3 credits
JMC 379	Print Design	3 credits
JMC 381	Computer Illustration	3 credits
JMC 382	Web Design	3 credits
JMC 423	Interactive Multimedia Design	3 credits
Three additional hours of 300-level or above COM courses.		3 credits

Certificate Program in Creative Writing (21 credits)

A *Certificate in Creative Writing* will be awarded to the students who successfully complete a total of 21 semester hours from the following courses:

ENG 300	Introduction to Creative Writing	3 credits
ENG 301	Narrative Forms	3 credits
ENG 302	Poetic Forms	3 credits
ENG 403	Seminar in Creative Writing	6 credits

Two literature courses chosen in consultation with major advisor.

Students are strongly encouraged to take ENG 254 Writing About Literature as one of the required literature courses.

Prerequisite: Entry to the Certificate program requires evidence of prior achievement in creative writing in the form of a submitted manuscript (6-8 pages of poetry or 10-15 pages of fiction), to be judged by the Director of Creative Writing and/or a full-time member of the creative writing faculty.

Certificate Program in Environmental Science (60 credits)

A *Certificate in Environmental Science* will be awarded to students who complete the following requirements, a total of 60 semester hours:

EVS 113	Introduction to Atmospheric Sciences	3 credits
EVS 114	Introduction to Atmospheric Sciences Lab	1 credit
BIO 211, 212	General Biology I and II	8 credits
CHM 203/204	General Chemistry I with lab	4 credits
CHM 205/206	General Chemistry II with lab	4 credits
EVS 390	Environmental Science	3 credits
EVS 491	Senior Seminar	2 credits
EVS 533	Inadvertent Climate Modification	3 credits
EVS 555	Meteorological Remote Sensing	<u>3 credits</u>

Total Core Hours **31 credits**

Area of Specialization Requirements

Students take a minimum of 14 credit hours from one of the following tracks:

I—Global-Environmental Systems

EVS 341	General Botany	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 460	Terrestrial Remote Sensing	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 553	Tropical Meteorology	3 credits
EVS 556	Introduction to Physical Oceanography	3 credits

II—Environmental Pollution

CHM 315	Quantitative Analysis	4 credits
CHM 321/322	Organic Chemistry I and Lab	4 credits
CHM 323/324	Organic Chemistry II and Lab	4 credits
CHM 456	Instrumental Analysis	3 credits
CHM 466	Instrumental Analysis Laboratory	2 credits
CHM 506	Environmental Chemistry and Natural Resources	3 credits
EVS 443	Environmental Geology	4 credits
EVS 523	Environmental Toxicology	3 credits
EVS 544	Hydrology	3 credits
EVS 552	Boundary Layer Meteorology	3 credits
EVS 556	Introduction to Physical Oceanography	3 credits

Requisite Courses: MTH 245, PHY 211 and PHY 212.

III—Organismal and Population Ecology

EVS 335	Zoology	4 credits
EVS 341	General Botany	4 credits
EVS 351	Microbiology	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 460	Terrestrial Remote Sensing	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 512	Microbial Ecology	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 581	Evolution	4 credits

IV—Environmental Policy and Society (14 credits with at least one course from Group B)

Group A:

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

Group B:

EVS 443	Environmental Geology	4 credits
EVS 523	Environmental Toxicology	3 credits
EVS 541	Atmospheric Diffusion	3 credits
CHM 456	Instrumental Analysis	3 credits
CHM 466	Instrumental Analysis Laboratory	2 credits

Total Area of Specialization Hours 15 credits

***Special Courses:** (These courses are available to all students in the EVS Program as additional electives. They do not substitute for any course requirements for the major).

EVS 480	Environmental Science Internship	1-3 credits
EVS 493	Directed Independent Readings	1-3 credits
EVS 495	Directed Independent Study	1-3 credits
EVS 497	Directed Independent Research	1-3 credits

NOTE: Transfer hours are accepted; however, a minimum of thirty (30) semester hours of the certificate program must be completed at Creighton University.

For more information, call University College, (402) 280-2424 or 1-800-637-4279.

Certificate Program in Health Administration and Policy (24 credits)

A *Certificate of Health Administration and Policy* will be awarded to the students who successfully complete a total of 24 semester hours from the following courses:

Required Courses (12 hours)

HAP 200	Introduction to Health Administration	3 credits
HAP 215	Healthcare, Society and Culture	3 credits
HAP 334	Public Policy and Health Care	3 credits
HAP 350	The Essentials of Public Health	3 credits
HAP 390	Health Communication	3 credits
Nine credits chosen from upper-division HAP courses.		9 credits

Certificate Program in Human Resources Administration (27 credits)

A *Certificate of Human Resources Administration* will be awarded to the students who successfully complete a total of 27 semester hours from the following courses:

Required for Admission: 2.25 GPA and COM 152

COM 202	Communication Theories	3 credits
COM 203	Introduction to Communication Research Methods	3 credits
COM 352	Advanced Presentational Forms	3 credits
COM 362	Small Group Communication	3 credits
COM 370	Human Resource Administration	3 credits
COM 463	Organizational Assessment	3 credits
COM 464	Organizational Training and Development	3 credits
COM 496	Communication Internships	3 credits
Three additional hours of 300-level or above COM courses.		3 credits

Certificate Program in Interpersonal Communication (27 credits)

A *Certificate of Interpersonal Communication* will be awarded to the students who successfully complete a total of 27 semester hours from the following courses:

Required for Admission: 2.25 GPA and COM 152

COM 202	Communication Theories	3 credits
COM 203	Introduction to Communication Research Methods	3 credits
COM 321	Persuasion	3 credits
COM 352	Advanced Presentational Forms	3 credits
COM 361	Interpersonal Communication	3 credits
COM 362	Small Group Communication	3 credits
COM 461	Advanced Interpersonal Communication	3 credits
COM 496	Communication Internship	3 credits
Three additional hours of 300-level or above COM courses.		3 credits

Certificate Program in Irish Literature and Culture (36 credits)

A Certificate of Irish Literature and Culture will be awarded to students who complete the following requirements, a total of 36 semester hours beyond CORE courses. Students complete the following:

English Core Courses:

ENG 150	Rhetoric and Composition	3 credits
Six semester hours of basic literature requirement		6 credits
(All of the following:)		
ENG 254	Writing About Literature	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 409	Shakespeare	3 credits
ENG 421	History of the English Language	3 credits
ENG 432	The Irish Renaissance	3 credits
ENG 433	Contemporary Irish Literature	3 credits

Students complete three additional Irish literature courses, including one Irish Period or Genre course, one Irish Author course, and one Senior Seminar chosen in consultation with the major advisor.

Certificate Program in Liturgy (25 credits)

This certificate program in Liturgy is a program open to persons of all denominations who desire a curriculum with a solid theological base and practical application in liturgy. A *Certificate in Liturgy* will be awarded to participants who successfully complete the following requirements:

(All of the following:)

One class in New Testament	THL 205, 207, 208, 209, 210 or 212	3 credits
One class in Old Testament	THL 201, 202, 203	3 credits
THL 250	Theological Foundations for Ethical Understanding	3 credits
THL 338	Eucharist: Liturgical Theology and Practice	3 credits
THL 339	Theology of Church and Sacraments	3 credits
THL 491	Seminar in Liturgy/Ministry/Spirituality/Theology	1 credit
THL 544	Christian Celebration: The Liturgical Year	3 credits
THL 561	Finding God in Daily Life: Prayer and Discernment	3 credits

(One of the following:)

THL 325	Catholicism: Creed and Question	3 credits
THL 335	Jesus Christ: Yesterday and Today	3 credits

Certificate Program in Mathematics (30 credits)

A *Certificate in Mathematics* will be awarded to students who successfully complete the following requirements, (30 semester hours).

MTH 245	Calculus I	4 credits
MTH 246	Calculus II	4 credits
MTH 347	Calculus III	4 credits
MTH 529	Linear Algebra	3 credits
MTH 581	Modern Algebra I	3 credits
MTH 545	Differential Equations	3 credits
MTH 591	Analysis I	3 credits
MTH 561	Mathematical Statistics I	3 credits
MTH 562	Mathematical Statistics II	3 credits

Certificate Program in Ministry (25 credits)

This certificate program in Ministry is a program open to persons of all denominations who desire a curriculum with a solid theological base and practical application in church ministry. A *Certificate in Ministry* will be awarded to participants who successfully complete the following requirements (25 semester hours):

Required Courses:

One class in New Testament	(THL 205, 207, 208, 209, 210 or 212)	3 credits
One class in Old Testament	(THL 201, 202, 203)	3 credits
THL 250	Theological Foundations for Ethical Understanding	3 credits
THL 392	Practicum in Ministry	3 credits
THL 491	Seminar in Liturgy/Ministry/Spirituality/Theology	1 credit
THL 560	Theology of Ministry	3 credits
THL 561	Finding God in Daily Life: Prayer and Discernment	3 credits

(Two of the following:)

THL 325	Catholicism: Creed and Question	3 credits
THL 335	Jesus Christ: Yesterday and Today	3 credits
THL 339	Theology of Church and Sacraments	3 credits

Certificate Program in Organizational Communication (27 credits)

A *Certificate of Organizational Communication* will be awarded to the students who successfully complete a total of 27 semester hours from the following courses:

Required for Admission: 2.25 GPA and COM 152

COM 202	Communication Theories	3 credits
COM 203	Introduction to Communication Research Methods	3 credits
COM 352	Advanced Presentational Forms	3 credits
COM 360	Organizational Communication Theories	3 credits
COM 362	Small Group Communication	3 credits
COM 460	Advanced Organizational Communication	3 credits
COM 463	Organizational Assessment	3 credits
COM 496	Communication Internships	3 credits

Three additional hours of 300-level or above COM courses.

Certificate Program in Pre-Health Sciences (24 credits)

A *Certificate in Pre-Health Sciences* will be awarded to students who successfully complete a minimum of 24 hours chosen from the following courses*

BIO 211	General Biology: Molecular and Cellular	4 credits
BIO 212	General Biology: Organismal and Population	4 credits
CHM 203, 204	General Chemistry I and Lab	4 credits
CHM 205, 206	General Chemistry II and Lab	4 credits
CHM 321, 322	Organic Chemistry I and Lab	4 credits
CHM 323, 324	Organic Chemistry II and Lab	4 credits
PHY 211	General Physics I and Lab	4 credits
PHY 212	General Physics II and Lab	4 credits
MTH 245	Calculus I	4 credits

Plus electives chosen from other courses recommended by the pre-health sciences advisory committee.

*A minimum of 18 hours must be completed at Creighton.

Certificate Program in Psychology (34 credits)

A Certificate of Psychology will be awarded to students who successfully complete the following requirements: all courses in Group A, at least one course each from of Groups B-E, one additional course from Groups B-E, and three additional PSY courses, a total of 34 hours.*

(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 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
<i>Or</i>		
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
PSY 428	Multicultural Issues in Psychology	3 credits
<i>Or</i>		
PSY 473	Psychology of Gender	3 credits
PSY 465	Advanced Behavioral Research	3 credits
<i>Or</i>		
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

Certificate Program in Spirituality (25 credits)

This certificate program in Spirituality is a program open to persons of all denominations who desire a curriculum with a solid theological base and practical application.

A *Certificate in Spirituality* will be awarded to participants who successfully complete the following requirements (25 semester hours):

(All of the following:)

One class in New Testament	(THL 205, 207, 208, 209, 210 or 212)	3 credits
One class in Old Testament	(THL 201, 202, 203)	3 credits
THL 250	Theological Foundations for Ethical Understanding	3 credits
THL 491	Seminar in Liturgy/Ministry/Spirituality/Theology	1 credit
THL 561	Finding God in Daily Life: Prayer and Discernment	3 credits
THL 544	Christian Celebration: The Liturgical Year	3 credits
THL 575	Foundations of Christian Spirituality	3 credits

(Two of the following:)

THL 325	Catholicism: Creed and Question	3 credits
THL 335	Jesus Christ: Yesterday and Today	3 credits
THL 339	Theology of Church and Sacraments	3 credits

Certificate Program in Theology (25 credits)

This certificate program in Theology is a program open to persons of all denominations who desire a curriculum with a solid theological base.

A *Certificate in Theology* will be awarded to participants who successfully complete the following requirements (25 semester hours):

(All of the following:)

One class in New Testament	(THL 205, 207, 208, 209, 210 or 212)	3 credits
One class in Old Testament	(THL 201, 202, 203)	3 credits
THL 250	Theological Foundations for Ethical Understanding	3 credits
THL 491	Seminar in Liturgy/Ministry/Spirituality/Theology	1 credits
THL 561	Finding God in Daily Life: Prayer and Discernment	3 credits

(Two of the following:)

THL 325	Catholicism: Creed and Question	3 credits
THL 335	Jesus Christ: Yesterday and Today	3 credits
THL 339	Theology of Church and Sacraments	3 credits

Two 300-500 level electives chosen in consultation with advisor.

OTHER PROGRAMS OF STUDY

Many of the courses required for the following programs may be completed at night:

Pre-Health Sciences Program

- Certificate in Pre-Health Sciences. See page 296.
- Pre-Dental and Pre-Medical Programs. See page 237.
- Pre-Pharmacy Program. See page 238.
- Pre-Occupational Therapy Program. See page 239.
- Pre-Physical Therapy Program. See page 240.

Teacher Certification

Consult with an advisor in the Department of Education, Room 106 in the Communication Arts Building, for information on certification/endorsement requirements. Telephone (402) 280-2820.

INDEPENDENT STUDY PROGRAM

Director—Dean Braden

All students are eligible to register for correspondence courses in Creighton's Independent Study Program (<http://www.creighton.edu/isp>). The Independent Study Program offers students the opportunity for access to undergraduate core courses developed by Creighton faculty members. Communication is the key to receiving the personalized instruction that is ordinarily given in the traditional college classroom. The Independent Study Program maintains the same high degree of instructional quality that is maintained in on-campus courses at Creighton.

The minimum course completion time is 12 weeks, and the maximum is six months from the date of enrollment. Tuition is \$894 per course, except for NUR 223 (2 credits), which is \$596. Textbook and supplementary course material costs are in addition to tuition. Independent Study Program information is online at <http://www.creighton.edu/isp> or available from the University College Office, B-11, College of Business Administration, (402) 280-1253 or 1-800-637-4279. Students may register for an Independent Study Program course any time during the year.

AVAILABLE COURSES*

- ANT 111 Introduction to Anthropology** (3) (CORE D)
Coursewriter: Suzanne Baker, Ph.D.
- ENG 120 World Literature I** (3) (CORE B)
Coursewriter: Mary Longo, Ph.D.
- ENG 121 World Literature II** (3) (CORE B)
Coursewriter: Thomas Kuhlman, Ph.D.
- ENG 150 Rhetoric and Composition** (3) (CORE E)
Coursewriter: Robert Whipple, Ph.D.
- HIS 101 The Modern Western World** (3) (CORE B)
Coursewriter: Elizabeth Elliot-Meisel, Ph.D.
- HIS 103 The Asian World** (3) (CORE B)
P: HIS 101. Coursewriter: William Sherrard, Ph.D.
- HIS 107 The Middle Eastern World** (3) (CORE B)
P: HIS 101 or HIS 105. Coursewriter: John C.M. Calvert, Ph.D.
- NUR 223 Nutrition** (2)
Coursewriter: Mary Watson, M.S., R.D.
- PHL 107 Critical and Historical Introduction to Philosophy** (3) (CORE B)
Coursewriter: Eugene E. Selk, Ph.D.
- PHL 320 God and Persons: Philosophical Reflections** (3) (CORE A)
Coursewriter: Eugene E. Selk, Ph.D.
- PSY 111 Introductory Psychology** (3) (CORE D)
Coursewriter: Debra L. Schwiesow, Ed.S.
- PSY 341 Infant and Child Development** (3)
Coursewriter: Debra L. Schwiesow, Ed.S.
- PSY 375 Marriage and Family Relationships** (3)
Coursewriter: Debra L. Schwiesow, Ed.S.
- THL 100 Christianity in Context** (3) (CORE A)
Coursewriter and Instructor: Sr. Joan L. Mueller, OSC, Ph.D.
- THL 209 Life of Jesus** (3) (CORE A)
Coursewriter: Bruce J. Malina, Ph.D.
- THL 325 Catholicism: Creed and Question** (3) (CORE A)
P: 200-level Scripture course. Coursewriter/Instructor: Sr. Joan L. Mueller, OSC, Ph.D.
- THL 335 Jesus Christ: Yesterday and Today** (3) (CORE A)
P: 200-level Scrip. course; Jr. stdg. Coursewriter/Instructor: Sr. Joan L. Mueller, OSC, Ph.D.

* For course descriptions please consult the Courses of Instruction section beginning on page 304.

NONCREDIT OFFERINGS (CPD)

The Center for Professional Development, a division of University College, provides a variety of non-credit certificate training programs for the Omaha area. For more information call 1-800-637-4279 or at <http://cpd.creighton.edu>

Certificate in Supervision – a non-credit certificate program designed for newly appointed supervisors. Supervision is designed to introduce the most current and successful leadership practices and information. Each session focuses on the unique challenges supervisors face on a daily basis and offers ideas to help participants achieve their goal of being a successful supervisor.

Human Resource Generalist – a non-credit program that has been distinctively created to provide a working knowledge of the theories, requirements, and practices currently being used in the exciting field of human resources. This professional program provides an in-depth study of specific topics and practices critical to enhance participant skills and to keep participants current in the rapidly changing human resource field.

LSAT Test Preparation Program - offered three times a year. This comprehensive program provides 28 hours of instructor-led training and review. Each section of the LSAT (essay writing, reading comprehension, logical reasoning, and analytical reasoning) is covered in depth.

ACT Test Preparation Program - offered twice a year. Junior and senior high school students eager to attend competitive colleges and universities will want to do their best on the ACT exam. A 16-hour instructor-led program by content area: science, math, reading comprehension and English are covered. A "best strategies" program on the college search and application process is also included as part of the program.

Institute for Reading Development - Creighton University/CPD sponsors the Institute for Reading Development to provide reading improvement courses in Omaha, Lincoln, and Sioux City for pre-schoolers through adults. Learning to read, phonetics, reading comprehension and speed-reading are taught at age-appropriate reading levels each summer.

Spanish for Health Care Professionals - This course is designed to give health care workers knowledge of the Spanish language and culture in order to improve communication with their patients. Upon completion of this 10-week course and its related activities, participants will be able to understand basic Spanish in the context of health care and respond in Spanish to patients and their family.

CERTIFICATES FOR MINISTRY

Credit Ministry Programs

Certificate/Diploma Program in Liturgy, Ministry, Spirituality, or Theology, in Omaha and Des Moines, Iowa. These 25-credit programs which may also be taken for audit, were co-developed in 1985 with the Offices of the Archdiocese of Omaha. They are open to persons of all denominations who desire a curriculum with a solid theological base and practical application in ministry.

Certificate/Diploma Program in Youth Ministry in Omaha, Nebraska, affiliated with the Youth Ministry Certificate of the Office of Religious Formation, Archdiocese of Omaha, in 1988 and the Center for Ministry Development in Connecticut. The Youth Ministry Certificate can be taken for graduate or undergraduate credit. The courses are presented especially for persons working with youth and young adults. Contact the Office of Religious Formation (554-8493) or University College (280-2424) for further information.

TUITION FOR FALL AND SPRING EVENING CLASSES

Part-time University College students are assessed a special tuition rate that is two-thirds of the regular rate for the academic year for up to six hours of night classes per semester.

Tuition for undergraduate classes that are not under the sponsorship of University College (i.e., day classes), or for more than six and less than 12 hours of classes, is assessed at the regular per credit-hour rate. Students who enroll in 12-18 hours of classes are assessed full-time tuition.

SPECIAL TUITION RATES FOR TEACHERS, SCHOOL ADMINISTRATORS, PERSONS IN MINISTRY, PARENTS, AND HIGH SCHOOL STUDENTS

Special Tuition Rate for Teachers and School Administrators

Teachers and school administrators who are employed full time in public or private elementary or secondary schools and enroll as part-time students at Creighton may receive a tuition discount of 50 percent for three semester hours of course work each semester (fall and- or spring) and unlimited hours in summer. This discount may not be taken in addition to the regular University College discount. Students must complete an “Application for Teacher Improvement Remission” form verifying full-time employment status each term. These forms are available in the Business Office (280-2707) or University College (280-2424).

Special Tuition for Post-Baccalaureate Elementary Education Majors

Persons who hold a bachelors degree with at least a 2.50 GPA who are interested in becoming elementary teachers, are eligible for a 50 percent tuition discount for all major requirements. This discount may not be taken in addition to the regular University College discount. Students must be accepted into the major as well as accepted as certificate-seeking students to the University. Contact University College for an information packet (800-637-4279 or 402-280-2424 or the Education Department at Creighton University for more information about major requirements 402-280-2820).

Special Tuition Rate for Persons in Ministry

Persons who work on a consistent basis in certain ministries may receive a tuition discount of 50 percent off the regular rate for up to nine semester hours of Theology courses each semester. This discount may not be taken in addition to the regular University College discount. An application for remission must be completed each semester. Contact University College for information on specific criteria. Contact the Graduate School, (402) 280-2870, for information on the special rates for graduate courses.

Special Tuition Rate for Parents of Creighton Undergraduate Students

Parents of full-time Creighton University students in the College of Arts & Sciences, College of Business Administration, and School of Nursing are eligible to take one day or evening undergraduate course on a space-available basis each semester for \$150 plus fees. Books and supplies are extra. Contact University College at (402) 280-2424 or 800-637-4279 or <http://www.creighton.edu/Parents/UCParentProgram.html> for more information.

Special Tuition Rate for High School Students (Next Step Program)

Academically eligible high school juniors and seniors may take a Creighton University undergraduate course at the special rate of \$75 per credit hour. There is an additional cost for the University fee and textbooks. Students must submit a letter of recommendation from a high school guidance counselor, or teacher in the academic area in which they want to study. More information can be obtained by calling (402) 280-2424 or 800-637-4279 or <http://www.creighton.edu/nextstep>.

Full-Time, Part-Time Status

Undergraduate students are considered part time when registered for 11 or fewer semester hours. Students registering for 12 or more credit hours in a semester are full-time students and are subject to regular full-time tuition and fee rates. Full- or part-time status is determined by the total semester hours of credit assigned to the courses for which a student registers in a given term, including courses being audited, but excluding Independent Study Program courses.

FINANCIAL AID

University College students who have been accepted into degree or certificate programs and register for six or more semester hours each semester may be eligible for Federal grant and loan programs. Financial Aid information can be found on pages 51-83 of this Bulletin.

Veteran's Benefits

Courses for college credit in all schools and colleges of the University are approved for veterans' education and training for degree-seeking students. Veterans' service is provided by the Registrar's Office. Veterans and others eligible for educational benefits administered by the Veterans Administration are given assistance to assure proper and advantageous use of their benefits and to simplify and expedite transactions with the government. A student who intends to apply for veterans' benefits must also apply for admission to University College as a degree-seeking student and have official transcripts sent to University College from all prior colleges or universities attended. (Application for Admission forms are available in the Dean's Office). Questions regarding veterans benefits should be directed to (402) 280-2701.

Vocational Rehabilitation

Vocational rehabilitation provides handicapped and disabled persons financial assistance to attend college to improve their skills and assist them in obtaining employment. In most states, vocational rehabilitation clients must first apply for Federal assistance prior to receiving assistance through vocational rehabilitation. In Nebraska, contact the state office in Lincoln, 301 Centennial Mall South, Lincoln, NE 68509. (402) 471-2961.

Employee Benefits

Many employers offer tuition assistance plans for employees who are enrolled in credit courses. Persons who are employed should contact their Human Resource office to determine if such plans are available.

Tuition Deferment Loan Program

Creighton Federal Credit Union offers the Tuition Deferment Loan Program to University College students who are eligible for their employer's tuition reimbursement program. A tuition deferment loan allows a student to borrow the amount of tuition and postpone repayment of the loan until three weeks after the last day of class. Loan applications are available in the University College office, or by calling the Credit Union at (402) 341-2121. Applications can also be made via the credit union's web site at www.creightonfederal.org.

OTHER AWARDS AND SCHOLARSHIPS

Dean's Merit Awards

Realizing that many academically strong, working adults with the desire to attend University College—even those with some partial assistance from other sources—may find the tuition cost-prohibitive, the college provides Dean's Merit Awards. In addition to financial need, other considerations for these awards are the applicant's (1) academic potential, (2) work-related experience, and (3) desire to develop new career skills. Awards vary in value from \$100 to \$700 per term. Dean's Merit Awards are renewable. Other requirements are that applicants be enrolled in a degree or certificate program and complete the special application by May 1 for the summer sessions, August 1 for the fall semester and by December 1 for the spring semester.

Osher Reentry Scholarship

Osher Reentry Scholarships are awarded on a competitive basis to a limited number of nontraditional undergraduate students who have demonstrated the promise of achieving academic success. Applicants must have a 5-year interruption from their college studies and demonstrate the potential for academic career success. This annual award is applied equally to the fall and spring semesters. For a complete list of criteria and an application, visit <http://www2.creighton.edu/adultdegrees/tuitionfeesfinancialaid/scholarshipsgrants/index.php>.

Richard Pearlman Memorial Scholarship

This award is given to students enrolled in the Emergency Medical Services education program who demonstrate a passion for emergency medical services work and who have financial need. Special consideration will be given to students who have overcome socio-economic hardships to pursue their education. Maintaining at least a 2.00 cumulative grade point average is required for renewal consideration.

Other Scholarships

In addition to the grants, loans and scholarships listed here, there are several scholarships funded by various organizations and other private and University endowed scholarships.

PREPARING FOR GRADUATE STUDY

Many Creighton students continue their education on the graduate level. Students considering graduate study at the master's or doctoral levels should consider the following points. (Also see *Pre-Professional Study*). Graduate programs often require foreign language proficiency; the traditional requirement is one language at the master's level and two at the doctoral level. The choice of particular language should relate to the research interests of the student's graduate program. Graduate departments in some fields allow students to substitute statistics and computer programming for foreign language skills. Graduate study requires that students master the tools and techniques of research in a field. Graduate admissions committees look for evidence that applicants have demonstrated creativity and skill in independent study.

Admissions and financial aid decisions are usually based on three main pieces of information: the student's undergraduate record, particularly in the major field of interest; scores on standardized examinations (the Graduate Record Examination or Graduate Management Admissions Test); and recommendations from the student's faculty members. Advice about graduate study in particular fields and the choice of an appropriate graduate school should be obtained from a student's major advisor.

UNDERGRADUATE PREPARATION FOR M.B.A. PROGRAMS ***Foundation Courses for Graduate Study in Business***

Graduate programs leading to the degree of Master of Business Administration (M.B.A.) are designed to give a broad overview of the executive world of business. An undergraduate degree in business is not a prerequisite to an M.B.A. program; in fact, many M.B.A. students hold degrees in the arts and sciences and technical fields.

Although a degree in business is not a prerequisite for admittance, a minimum number of foundation courses in business are necessary. Successful completion of the courses listed below introduces a student to the fundamentals of the functional areas of business: accounting, economics, finance, marketing, and statistics. The following courses or their equivalents are required for students seeking admission into M.B.A. programs:

ACC 201	Introduction to Financial Accounting	3 credits
BUS 229	Statistical Analysis (requires Calculus)	3 credits
FIN 301	Managerial Finance	3 credits
MKT 319	Principles of Marketing	3 credits
ECO 203	Introductory Microeconomics	3 credits
ECO 205	Introductory Macroeconomics	3 credits

The M.B.A. foundation courses provide an excellent background in business administration for students in Arts and Sciences without compromising the liberal arts content of a curriculum. (Also see *Certificate in Business for Arts and Sciences students*.) Questions concerning the M.B.A. program at Creighton should be directed to the Coordinator, Graduate Business Programs, College of Business Administration, Creighton University, Omaha, NE 68178. Telephone: (402) 280-2829.