
Schools and Professional Programs

School of Arts and Sciences

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Degree Programs

Biology (B.A. and B.S.)

with concentrations in:

Environmental Biology

Marine Biology

Pre-Health Professional Options

Counseling (M.S.)

English (B.A., B.S.)

Creative Writing

Literature

General Studies (A.A., A.S.)

General Studies (B.S.)

with concentrations in:

Business Studies

Computer and Engineering Studies

Humanities

Internet Applications

Natural Sciences/Mathematics

Social Sciences

Health Sciences (B.S.)

with concentrations in:

Exercise and Fitness

Nutrition

Human Services (B.S.)

Literature and Civilization (B.A.)

with concentrations in:

Creative Writing

English

History

Philosophy

Mathematics (B.A. and B.S.)

Medical Laboratory Science (B.S.)

Music (B.Mus.) with concentrations in:

Music Business

Music Education

Music Performance

Psychology (B.S.)

FIRST YEAR STUDIES

Academic Resource Center

Mission Statement

The mission of the School of Arts and Sciences is to provide students with education of high quality in the knowledge, skills and values that will enable them to achieve success in their professions and become meaningful contributors to society. The School is committed to an interdisciplinary approach in its curricula while offering students opportunities for experiential learning, internships, and community service.

Our programs are designed with attention to the institutions we serve. The education we offer features acquisition of fundamental knowledge in a wide range of fields and an application-oriented approach to issues that are progressively more interdisciplinary.

Vision Statement

The vision statement serves as a guide in the development of the school's programs and overall educational initiatives. The School of Arts and Sciences will provide students in its programs with:

Competence — i.e. knowledge and skills necessary to enable them to enter the work force, or to undertake graduate study, with success.

Critical Thinking — i.e. techniques of applied logic, categorization, and criticism which result in clear thinking, sound analysis, and balanced judgment.

Creativity — i.e. qualities of imagination, originality, curiosity, and daring.

Context — i.e. awareness of the historical, social, intellectual, environmental, and cultural setting appropriate to the field of study.

Communication — i.e. ability to express themselves lucidly and to present ideas effectively and distinctively, both formally and informally, orally, visually, literately, and musically.

Candor — i.e. honest standards, consistency in implementing them, and fair evaluation of achievement.

Concern — i.e. regular support and individual attention to all students, with additional opportunities for those who excel and remedial strategies for those who need them.

Description

The Arts and Sciences housed in the School include degree programs in Biology, English, General Studies, Literature and Civilization (with concentrations in Creative Writing, English, History, Philosophy, and Psychology), Mathematics, and Music. In addition, the School is responsible for those courses in composition, humanities, fine arts and natural sciences, mandated by the University's core curriculum.

The School is committed to an interdisciplinary approach that it believes best prepares students for the challenges and opportunities of the twenty-first century, and for graduate school.

The Biology Program is designed to prepare students for further study in graduate or professional schools, or for employment in education, industry, or governmental service. Students may follow a general biology curriculum or elect an option in pre-chiropractic, pre-medicine, pre-dentistry, pre-naturopathy, pre-veterinary, marine biology, or zoology.

The General Studies Program gives adult learners, as well as traditional undergraduates, greater flexibility in completing their studies by offering broad areas of disciplinary concentration in place of more traditional majors. Students use this option to pursue careers in business and social science and as a pre-professional degree.

The First Year Studies Program develops, promotes, and administers programs and services for non-traditional student. This includes under prepared freshmen, who are given the opportunity to demonstrate their true ability. Students remain in the program for one to four semesters depending on their level of achievement. They use the record they have compiled to transfer into their major of choice at the University.

The Health Sciences Program prepares students for entry level positions in exercise and fitness, and in nutrition, as well as for advanced study in pharmacy, physician assistant, nursing, and other professional programs in the health sciences. The curriculum in this program includes basic foundation courses in biology, chemistry, mathematics, and physics as well as in required courses in philosophy and psychology.

The Human Services Program combines theoretical coursework with field work ex-

School of Arts and Sciences

perience to prepare students for careers in human service agencies and community organizations. The program requires students to supplement their course work in the human services and gerontology with courses in psychology, sociology, and related fields.

The Literature and Civilization Program gives students a general foundation in the liberal arts while, at the same time, examining the connections within and between them. Within this major, students may opt for a concentration in Creative Writing, English, History, Philosophy.

The Mathematics Program is designed to prepare the student for graduate work in mathematics and allied areas, industrial employment, secondary school teaching, and careers in quantitative areas of biological and social sciences.

The Medical Laboratory Science program prepares students for careers in a hospital laboratory with opportunities for growth in research or molecular diagnostics. The MLS Program may also serve as a pre-med or pre-physician assistant training program. In addition to the specific medical laboratory science, biology, and chemistry courses required for the program, students will demonstrate competency in foundation courses in biology, chemistry, and mathematics as well as in required courses in philosophy and psychology.

The Music Program offers four distinct four-year programs leading to the Bachelor and Music degree: Music Education, Performance, Jazz Studies, and Music Business. Music students are required to complete music foundation courses and one of the four concentrations. The Music Business concentration reflects the growing complexity of the commercial music scene.

The Psychology Program gives students a knowledge of the general areas of developmental, personality, social, cognitive, and abnormal psychology, preparing them for employment in psychology and related fields or for further study in graduate programs. The program permits ancillary study in related subject areas in the human services, the humanities, the social sciences, and biology.

The School provides courses in Physics and Chemistry in support of the University's Science and Engineering programs.

Facilities

The music programs are housed in the Arnold Bernhard Center which provides classroom performance, and lecture hall space. Individual students have access to spacious studio and practice areas

The Biology and Mathematics program are located in Dana Hall. Three floors are occupied by Biology, Physics, Chemistry, and Geology laboratories.

Internships, Co-operative Programs and Professional Opportunities

The School offers students a variety of options dependent on their major interests. In the Humanities programs there are opportunities for internships with state and local government organizations, newsprint and broadcast media, advertising agencies, and related commercial interests. The University's proximity to New York City, the media, art, and design center of the United States and the site of many museums, foundations and research institutes, offers students an exceptional variety of intellectual, cultural, and professional experiential learning possibilities. Our students are actively participating in summer programs in Biology, and working part-time in many corporate and consulting companies locally and nationally.

Accreditation

All degree programs in the School of Arts and Sciences are licensed and accredited by the State of Connecticut Department of Higher Education and the New England Association of Schools and Colleges.

Admission Criteria and Procedures

A student is admitted to the majors in Arts and Sciences after an evaluation of the high school transcript, counselor recommendations, and SAT/ACT scores and has demonstrated potential in analytical reasoning, comprehension, verbal expression and intellectual growth.

In addition to the standard University requirements, admission to the majors in Mu-

sic may require the submission of a portfolio representing the applicant's creative work, or a tape/video-cassette representing performance skills.

Students who perform well in the Biology and Mathematics programs are generally found to have met the following criteria:

- A. SAT scores of 530(R) verbal and 560(R) math; or composite ACT score of 22.
- B. Grade point average of "B", (2.5) or better.
- C. Rank in the top half of the high school graduating class.
- D. Four years of mathematics; two lab sciences and an additional science unit in high school.

At the discretion of the Admissions Committee, students who meet two out of the above standards can be admitted into the major.

Admissions Criteria and Procedures for the First Year Studies Program

Students who aspire to one of the majors at the University, but whose academic performance in high school suggests developmental needs, are considered for admission to the Program in First Year Studies based on a review of their high school record, standardized test scores, and supporting documents (special attention is paid to recommendations and the applicant's essay).

For information concerning admission procedures, please refer to the section on University Admissions.

General Criteria for Degrees from the School of Arts and Sciences

Degree in English, Literature and Civilization, and General Studies require a minimum of 120 semester hours of acceptable work. Depending on the degree and program, thirty to forty-eight semester hours may be devoted to the major, and at least half of these must be completed at the University unless this requirement is waived by the School Dean. The exact number of semester hours required for each major is listed in the sec-

School of Arts and Sciences

tion of the catalog entitled “Undergraduate Degree Programs.”

In Music, the Bachelor of Music degree requires a minimum of 126 semester hours. At the end of each semester, music majors must take an examination in their applied area before a jury of the faculty. At the close of the fourth semester, each music major is given a sophomore review. This review is a comprehensive critique of academic and applied work completed to date and determines whether the candidate continues as a music major.

In Biology and Mathematics majors the Bachelor's degree is awarded to the student who fulfills the following minimum requirements, in addition to those listed in the chapter on Academic Regulations.

1. Participation in such departmental seminars as the faculty prescribes.
2. Earning the total semester hours required for the individual curriculum as listed in the following pages.
3. Earning a “C-” or better in every course in the major and with a cumulative average of 2.0 in the major courses.

Each department designates the courses to be included in the major and decides the procedure necessary to remove each deficiency, including any “D” in a major course. When a course is a prerequisite to another, a “C-” or better in the prerequisite course may also be a requirement. Both B.S. and B.A. degrees are available in Biology and Mathematics.

First Year Studies Program

The First Year Studies Program (FYSP) is an academic unit which, utilizing a variety of support services, facilitates the transition of first-year students from high school to university life. Program advisors assist the students in the selection of appropriate courses while preparing them for admission into the major of their choice.

The FYSP team attempts to foster within their students a spirit of intellectual curiosity, personal responsibility, and commitment to academic excellence.

The FYSP is housed in the School of Arts and Sciences but is designed to prepare the under prepared student for majors in any of the Schools at the University of Bridgeport. The Program emphasizes strengthening study skills and awareness of college culture and protocol. Because these factors are essential for successful completion of a college degree, students in the FYSP must adhere to stringent academic and attendance guidelines. Support is provided in the form of intense advising, communication with the professors, and use, in some cases mandatory, of the Academic Resource Center. It is the goal of the First Year Studies Program to prepare its students for acceptance into the desired majors by the time they successfully complete their first thirty credits.

School of Business

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Mission Statement

The School of Business advances the practice of business through the education of students and the scholarly and professional contributions of the Faculty. Through high quality innovative teaching, the School enhances critical thinking in its students, provides discipline knowledge thought theoretical and applied learning and develops skills that are necessary for success in business. Students drawn from local, regional and international communities learn in a supportive environment that facilitates understanding of business in a dynamic global environment.

Accreditation

All degree programs in the School of Business are licensed and accredited by the State of Connecticut Department of Higher Education and accredited by the New England Association of Schools and Colleges (NEASC).

In addition, the School of Business is professionally accredited by the Association of Collegiate Business Schools and Programs (ACBSP) to offer graduate and undergraduate degrees.

***ACBSP accreditation does not include AA degree in Business Administration.*

UNDERGRADUATE DEGREE PROGRAMS

Accounting (B.S.)
Business Administration (A.A., B.S.)
Fashion Merchandising (A.A., B.S.)
Finance (B.S.)
International Business (B.S.)
Management and Industrial Relations (B.S.)
Marketing (B.S.)

Co-op and Internship Program

The School of Business requires all eligible students to gain practical experience before completion of the degree. The student can fulfill this requirement with outside business firms, non-profit organizations, government agencies and international organizations.

Undergraduate Admission Criteria and Procedures

A student is admitted to the School of Business through an evaluation of the high school transcript, class rank, and SAT scores. Successful applicants will have demonstrated potential in analytical reasoning, comprehension, written expression and critical thinking.

Past experience has shown that students who perform well in the School of Business have earned a Grade Point Average (GPA) of at least 2.5 in high school, above 1010 SAT, ranked in the top half of the class, achieved a "B" or better in Mathematics and English, and received good recommendations from the high school counselor.

Students transferring from undergraduate majors of other colleges must have earned a minimum GPA of 2.5.

General Curriculum Policies and Requirements

The University Core Curriculum requires passing the mathematics competency exam or taking Mathematics 105. This competency is a prerequisite for CAIS 101. Students anticipating graduate study in the School of Business are advised to take Calculus as a free elective.

Upper division coursework provides students with a common body of managerial

knowledge, multinational business studies, study in a major field, and an internship or business development project. For Bachelor of Science students the concentration of professional courses in the last two years builds upon the broad-based analytical tools and liberal arts foundation of the first two years.

GRADUATE DEGREE PROGRAMS

Master of Business Administration (M.B.A.)

The M.B.A. degree is offered for full time or part time study in a traditional or Executive M.B.A. format. Specific course requirements for the degree will provide students with a strong educational background. Students with a recent Bachelor's degree and a good academic average at an accredited business college may be able to complete the M.B.A. with 30 semester hours of advanced study. Students with a Bachelor's degree in a non business field generally require 54 semester hours to complete the M.B.A.

Mission Statement

The Master of Business Administration (M.B.A.) in General Administration at the University of Bridgeport develops effective and responsible leaders for business, industry, and government. Because the University of Bridgeport is located near the center of one of the nation's major concentrations of corporate headquarters, our faculty and students will be a significant regional resource. Because businesses in this region are truly multinational, the M.B.A. curriculum encourages a global perspective.

To this end, the M.B.A. program at UB not only emphasizes traditional management skills but also stresses the technical and cultural preparation necessary to understand the increasingly complex international environment. In accomplishing this goal, teaching methods will include a mix of lecture, case study, experiential learning, and analysis of international sociopolitical issues.

Graduates of the University's M.B.A. program will have the analytic and interpersonal skills to be effective leaders: they will be responsible leaders because they will have learned how to employ these skills to improve their communities as well as their companies.

School of Business

Prerequisites, Criteria and Procedures

The applicant must present an appropriate baccalaureate degree from an accredited institution of higher education. Official transcripts of all previous work must be sent to the Office of Graduate Admissions.

No specific undergraduate curriculum is expected or preferred before entry to M.B.A. study. As a professional program the M.B.A. is designed to build upon undergraduate study in the arts, humanities, science, engineering or other curricula. Students with little experience with computers will be required to register for appropriate additional coursework in their first year of study.

New classes are admitted each fall and spring for full time or part time study. Summer course offerings also allow new admissions for part time study. Full time students may begin in summer for any remediation study, to ease their course load during the regular semesters, and in some cases to accelerate their study program.

Applications and supporting credentials for full time students should normally be submitted at least two months before the desired starting time, and for part time students at least one month.

Graduate Management Admission Test

(GMAT and TOEFL)

The GMAT is designed to measure aptitude for graduate study. It is not a test for knowledge in specific business subjects. The test is given regularly in the United States and some foreign countries. Application forms may be obtained from the Office of the Director of the M.B.A. or by writing directly to GMAT, Educational Testing Service, Box 966, Princeton, New Jersey, U.S.A. 08540.

Applicants whose principal language is not English must also take the Test of English as a Foreign Language (TOEFL). Students scoring below 550 will be retested upon arrival at the University and may be required to complete a portion of the University of Bridgeport's Intensive English Language Program. Information about TOEFL may be obtained from TOEFL, Educational Testing Service, Princeton, New Jersey, U.S.A. 08540.

Admission to the School of Business

The University of Bridgeport MBA Program is designed to help graduates achieve high levels of responsibility through knowledge and developed skills in their work, community, and the greater society. Toward this end, a variety of criteria are used to help faculty determine the ability of applicants to succeed in the rigors of the UB-MBA program.

A bachelor's degree in any discipline and a good academic record are considered the minimum criteria for admission. In addition, for applicants with little or no managerial or professional experience, the secondary admissions criteria are universally accepted objective measures. However, individuals who have already achieved a significant position of leadership and responsibility in their business community can be considered based on achievement measures.

ALL APPLICANTS:

All applicants should submit to the Office of Graduate Admissions:

1. An application to the MBA Program.
2. A personal statement giving the reason the applicant wishes to study in the program.

RECENT COLLEGE GRADUATES AND NON-PROFESSIONALS

Applicants for admission who received a bachelor's degree within the previous three years, and those who do not qualify as experienced professionals (described below), must take the Graduate Management Admissions Test (GMAT).

Recent college graduate applicants should request the following to be submitted to the Office of Graduate Admissions:

3. Official transcripts of all previous college coursework.
4. Graduate Management Admissions Test scores (GMAT)
5. Two letters of recommendation.

EXPERIENCED PROFESSIONALS

Applicants for admission who have been working in a managerial or professional position for at least the previous three years may not be required to take the GMAT. Factors that will be considered include number of years in an exempt position along with the level and nature of responsibilities, and/or other graduate degrees or professional certifications.

Experienced professional applicants should provide and/or request the following to be submitted to the Office of Graduate Admissions:

1. Official transcripts of all previous college coursework.
2. A resume indicating management responsibilities for at least the past three years.
3. An essay regarding goals in pursuit of the MBA.
4. A letter of recommendation from your employment superior.
5. Any evidence of professional certification in fields requiring preparatory collegiate education (such as CPA, CFA, LLD, MD, DDS, etc.)

INTERNATIONAL APPLICANTS

An additional requirement of all applicants whose native language is not English is the Test of English as a Foreign Language (TOEFL). Any student scoring below 550 will be re-tested upon arrival and may be required to complete a portion of the University's "Intensive English Language Program" before being allowed to register for MBA classes.

In all cases the Graduate Admissions Committee makes the final determination on admissions.

Requirements for Graduation

To qualify for the degree of Master of Business Administration, a student must fulfill the following minimum requirements:

1. Admitted to candidacy for the degree in the School of Business.

School of Business

2. Satisfactorily complete all subject requirements in the program with an average grade of "B" or better (3.0 QPR).
3. File an application for the degree at the Records Office by the date published in the University Academic Calendar.
4. Complete all requirements within five years from the date of first graduate registration, unless a petition for extension of time is granted.

Scholastic Standards

Students are expected to maintain a 3.0 average. A student whose QPR drops below 3.0 will be placed on scholastic probation and may be dropped from the program unless a 3.0 average is achieved within the next 9 semester hours or unless substantial improvement is demonstrated in the semester following probation. See Graduate Regulations on page 32.

Grading Policy

Passing grades for graduate study range from A to C. Any work below C will be assigned an F. Incomplete work (I grade) must be completed within a year or it becomes an F. To continue in the M.B.A. program, a student should attempt to repeat immediately a course in which an F was received. In computing QPR, the grade from the first repeat of a course replaces the original grade.

Grades from transfer or waiver credits and from non M.B.A. or undergraduate courses taken after the beginning of the program are excluded from QPR calculations.

Graduate Assistantships

Research assistantships are available on a competitive basis for outstanding full time students. Graduate assistants may earn as many as nine semester hours a semester, and their eligibility is reviewed each semester. Full time assistantships require the recipient to work with faculty in the College for 20 hours a week during each semester, and 15 hours a week during the summer term.

Scholarships and Awards

The Director's Award is a certificate presented annually to the top ranking Master of

Business Administration graduate.

M.B.A./Management Engineering

M.B.A./Management Engineering courses offered by the College of Engineering are available for application to the M.B.A. degree. Specific courses for this study are selected and approved by the student's faculty advisor and the Director of the M.B.A. program.

Advisory Council and Faculty Fellows

Two groups of leading individuals, the Advisory Council and the Faculty Fellows, have been especially active in working with the School of Business.

ADVISORY COUNCIL

The Business School Advisory Council is composed of distinguished local business leaders. It offers opportunity for exchange of perspectives and knowledge between the University and the Business Community. A variety of ways are employed to achieve this end including periodic formal meetings that expose the work of faculty and students to the Council, on-site visits of faculty and students to member facilities, provision of opportunity for co-op student employment and internship, participation by council members as speakers in appropriate classes, as well as participation by council members in the evaluation of curriculum and teaching methods. The council is also called on from time to time to help develop and evaluate programs for the broader business community under the umbrella of the University's Trefz Foundation and its Center for Venture Management.

Current members of the Council include David Bodine, CEO, Bodine Corporation; Ron Sharp, Partner, Pullman & Comley; Mike Roer, CEO, The Bridgeport Innovation Center; Chuck Matteson, CEO, Boomerang, Intl.; Jim Carbone, CEO, Modern Plastics Corporation; John Morgan, CEO, Seymour-Sheridan, Inc.; Ann Stoddard, CEO, The Country Mouse; Dean Hottle, Director of Taxation, Service American Corporation; Walter Lazarcheck, CFO, Bridgeport Machines, Inc.

FACULTY FELLOWS

Faculty Fellows are recognized in their particular fields, holding significant positions in business and management related professions. The Faculty Fellows have had an active role in working with students as guest lecturers and in meetings with large or small groups of students. This provides a strong supplement to the student's formal education, helping bring real world problems into the classroom. Individuals who have served as Faculty Fellows include: Drummond C. Bell, chairman, National Distillers & Chemical Corporation; H. Kurt Blumberg, chairman, Irwin Industries; Alan W. Drew, vice chairman, Peabody International Corporation; S. Robert Breitbarth, president, General Cable International, Inc.; George R. Dunbar, general manager, Circuit Devices Division, Westinghouse Electric Corporation; Leandro P. Rizzuto, chairman and president, Conair Corporation; George W. Harvey, chairman, president, CEO, Pitney Bowes Inc.; Betty Hollander, chairman and chief executive officer, Omega Engineering Inc.; Roger M. Keefe, chairman of the Executive Committee, Connecticut Bank and Trust Corporation; Robert H. Sorenson, president and chairman of the Board, the Perkin-Elmer Corporation.

CORPORATE SPONSORSHIP

SAS Institute Inc., is a corporate sponsor of the School of Business. SAS is the largest privately held software company in the world, delivering software and services to more than 35,000 business, government and university sites in 110 countries.

School of Education

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Mission Statement

The School of Education is dedicated to providing its students with the opportunity to become educated, productive, and morally concerned citizens of their city, country, and the world. To serve these ends, the School offers an array of professional programs designed to prepare students for careers and leadership positions in education and in human services. The School recognizes a specific obligation to feature training and experiences central to preparing students to respond effectively to the fundamental needs of the cities of Connecticut and the region.

Consistent with and supportive of the increasing national demand for better schools, the School has accredited programs which provide for the training of highly effective classroom teachers, options for students interested in teaching careers and incentives

for better students to enter the teaching profession.

In pursuit of its objectives, the School of Education considers three requirements to be basic: a broad cultural background, intensive study in one particular field of knowledge, and professional training. To plan, conduct, and evaluate its program, the School draws on many resources of the University.

Through professional training and field experiences, the student gains solid knowledge of educational objectives; of school curricula, organization, and activities; of the nature of the learner and the learning process; and of the evaluation outcomes.

Accreditation

All degree programs in the School of Education are licensed and accredited by the Connecticut Board of Governors for Higher Education and the Commission on Institutions of Higher Education, New England Association of Schools and Colleges, Inc. The certification programs in Education are accredited by the Connecticut State Department of Education.

Admission Criteria and Procedures

The General Admission policy and procedures for the University of Bridgeport are found in the chapter on Admissions. Policies and procedures for admission to the teacher certification programs are listed in the program descriptions in this catalog.

GRADUATE SCHOOL

The School of Education offers programs which lead to Master's Degrees in Education (M.S.). Sixth Year (CAS) degrees are offered in Education. A Certificate Program in Remedial Reading and Remedial Language Arts and Reading and Language Arts Consultant are offered at the Sixth Year Level. A Sixth Year Diploma is also offered in Educational Administration and Supervision. A Doctoral Degree (Ed.D.) is offered in Educational Leadership.

Certification programs in designated areas lead to State licenses in teaching and administration.

Programs in the School of Education combine the practical needs of professional training with the theoretical grounding necessary for persons interested in quality preparation for leadership roles in their careers. The advanced degrees and the certifications open the doors to a range of career possibilities within educational institutions, as well as in developing allied fields.

The Doctorate, in particular, leads to advancement in public services and businesses that value a combination of management and education skills.

Admission Requirements

Candidates for admission to the graduate programs of the School of Education must present the following for review:

SCHOOL OF EDUCATION

EDUCATION

- A. Bachelor's degree from an accredited institution or a recognized international institution.
- B. Two letters of recommendation.
- C. Minimum "B-" grade point average required.
- D. Official copies of all undergraduate and graduate academic transcripts
- E. Passage of PRAXIS I or waiver based on SAT or ACT.

EDUCATIONAL LEADERSHIP

- A. A completed master's degree from an accredited institution.
- B. GRE or Miller Analogies Test scores.
- C. Personal statement that includes: reason for interest in doctoral program; description of personal and professional accomplishments.
- D. Two letters of recommendation.
- E. Demonstrated scholarship in the area of management.

School of Education

Graduate Degree Programs

Education (M.S.)

Educational Administration and

Supervision (6th Year Certificate of Advanced Studies-CAS)

Education (6th Year Certificate of Advanced Studies-CAS)

Educational Leadership (Ed.D.)

The university maintains accredited Educator Preparation Programs leading to certification in the following areas: Elementary Education (K-6); Middle Grades (4-8); Secondary Academic Subjects (7-12) in Biology, Business, Chemistry, Earth Science, English, General Science, History and Social Studies, Mathematics, and Physics; Music (PK-12); Remedial Reading and Remedial Language Arts (K-12); Reading and Language Arts Consultant (PK-12); and Intermediate Administration and Supervision (092).

For more information, please contact the School of Education at (203) 576-4219.

Graduate Intern Program in Education

The University offers an internship in Education. The Internship is an integration of graduate study and field experience in an elementary, middle, or secondary school. **Graduate course work is tuition-free.** The following options are available to the intern:

1. Internship for those who wish to be State certified as elementary, middle, or high school teachers
2. Internship for those already certified but who want to take advantage of the tuition-free program to pursue a Master's degree or Sixth Year Certificate of Advanced Studies (CAS)
3. Internship for those who wish to earn a Master's degree in Education (MSED) or a 6th Year Certificate of Advanced Studies (CAS) for work with young people in non-public American schools, schools in another country, or in other educational or training settings.

For more information, please contact the Director of the Intern Program at (203) 576-4193.

Registration Procedures

Students may register by mail two months prior to the opening of each semester. Mail registration forms are available from the Office of the Registrar, Wahlstrom Library, 126 Park Avenue, Bridgeport, CT 06604. A new student may use the mail registration procedure when issued by the Office of Graduate Admission. Registration in person may be made on the day of the registration indicated on the Academic Calendar. Registration for courses must not be construed as constituting acceptance into a graduate program.

School of Engineering

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Degree Programs

Biomedical Engineering (M.S.)
Computer Engineering (B.S., M.S.)
Computer Science (B.S., M.S.)
Computer Science and Engineering (Ph.D.)
Electrical Engineering (B.S., M.S.)
Mechanical Engineering (M.S.)
Technology Management (M.S.)

In the programs we offer, we are responsive to the technology-driven evolving trend in the workplace toward concurrent processes involving design, engineering, and technical project management, while providing a sound foundation built upon fundamental knowledge. We promote creativity and emphasize a team approach to problem-solving. Among institutions in the Northeast, we are uniquely positioned to offer integrated engineering curricula.

Since July 2004, the School has been offering the full M.S. degree program in Computer Science and in Technology Management through distance learning. For more information, please contact the department or visit <http://www.bridgeport.edu/ub/dlearning/>

Mission Statement

The School of Engineering of the University of Bridgeport provides educational opportunities and serves as a knowledge resource in the sciences, engineering and technology. Our clients are students, the companies that hire them, and various other institutions in Bridgeport and the surrounding region, the United States, and all parts of the world.

Our Programs are designed with attention to the institutions we serve. The education we offer features acquisition of fundamental knowledge in a wide range of fields and an application oriented approach to issues that are progressively more interdisciplinary. Graduates of our programs possess broad knowledge, professional training, and learning skills that enable their success in an evolving global economy and allow for the betterment of the communities in which they live.

Undergraduate

The Computer Engineering program prepares graduates for the practice of engineering at the entry level and helps graduates develop the ability to pursue a course of lifelong learning. A secondary aim is to provide a foundation for those interested in and qualified to pursue graduate studies. The program emphasizes a sound broad-based interdisciplinary technical education, with the integration of the practice of engineering design throughout the curriculum. The program in Computer Science prepares students to solve theoretical and applied problems relating to programming and programming applications. Acquiring both skills and fundamental knowledge is stressed in the curriculum. An additional goal is to provide students an excellent foundation for advanced study in graduate programs.

Graduate

The graduate offerings of the School of Engineering are intended for those who wish to enhance their expertise with an emphasis on professional applications.

Accordingly, all programs for the Master of Science degree require at least one of the following: comprehensive examination, writing a thesis based on independent research, or completion of an appropriate special project.

Accreditation

All degree programs in the School of Engineering are licensed and accredited by the State of Connecticut Department of Higher Education and the New England Association of Schools and Colleges. The Bachelor of Science degree program in Computer Engineering is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology.

Admission Criteria and Procedures

UNDERGRADUATE ENGINEERING:

Students who perform well in the undergraduate programs are generally found to have met the following criteria:

- A. SAT scores of 530(R) verbal and 560(R) math; or composite ACT score of 22.
- B. Grade point average of "B", (2.5) or better.
- C. Rank in the top half of the high school graduating class.
- D. Four years of mathematics; two lab sciences and an additional science unit in high school.

At the discretion of the Admissions Committee, students who meet two out of the above standards can be admitted into the major.

Graduating Engineering

MASTER OF SCIENCE DEGREES

Candidates for admission to Master of Science Degrees in the School of Engineering must present the following for review:

- A. Bachelor of Science degree or its equivalent in Engineering or related applied Sciences from an accredited institution or recognized international institution.
- B. Two letters of recommendation.
- C. 2.8 recommended grade point average.
- D. Demonstrated capacity for independent study and the ability to pursue graduate level work.
- E. GRE Exam Required.

School of Engineering

PH.D. DEGREE IN COMPUTER SCIENCE AND ENGINEERING

Students admitted to the Ph.D. program should have a master degree in computer science or engineering or related discipline with at least a 3.3 GPA. Interested students in the Ph.D. program without an M.S. degree must apply and be admitted into the M.S. program first, and then upon finishing the M.S. degree, they would be eligible to apply for the Ph.D. program.

Students admitted from non-English speaking foreign countries, having a master's degree in computer science and engineering will also be required to have a TOEFL score of at least 550. GRE's are not required for admission into the program, but are recommended.

For information concerning undergraduate and graduate admission procedures, please refer to the section on University Admissions.

General Criteria for Degrees from the School of Engineering

Upon recommendation of the faculty of the School of Engineering the University of Bridgeport will award the Bachelor's degree to the student of good character who fulfills the following minimum requirements, in addition to those listed in the chapter on Academic Regulations.

1. Participation in such departmental seminars as the faculty prescribes.
2. Earning the total semester hours required for the individual curriculum as listed in the following pages.
3. Earning a "C-" or better in every course in the major and with a cumulative average of 2.0 in the major courses. Each department designates the courses to be included in the major and decides the procedure necessary to remove each deficiency, including any "D" in a major course. When a course is a prerequisite to another, a "C-" or better in the prerequisite course may also be a requirement.

Requirements for the Master of Science Degrees

ACADEMIC PERFORMANCE

Students in a degree program who do not maintain a satisfactory record will be separated from the Graduate School. See Graduate Regulations on page 32.

COURSE LEVELS

400-499—Open to graduate students and to qualified undergraduates.

500-599—Open to graduate students only.

600-700—Open to Ph.D. students and to qualified MS students.

TIME LIMITATION AND PROGRAM CONTINUITY

All requirements for the degree of Master of Science must be completed within six years (twelve consecutive semesters) of the effective start of an approved graduate program of study. Once a program is initiated, the student must maintain continuous enrollment until completion.

Under certain circumstances, a student may be granted permission to interrupt his/ her program by petitioning the Dean in writing, stating the underlying circumstances. Program interruption without formal permission will constitute grounds for dismissal from the Graduate School.

DEGREE PROGRAM REQUIREMENTS

All graduate students must have on file an approved program of study on the form provided. Programs of study are worked out between the student and his/her advisor to meet both the student's desires and the graduate faculty's philosophy of an integrated program. The program of study must carry the approval of the chair of the department awarding the degree. Changes in the approved program of study must be approved by the student's program advisor and the department Chair.

ENGINEERING COLLOQUIUM

REQUIREMENT

All Engineering students are required to register for the Engineering Colloquia Series (ENGR 400) once during their course of study. Students are expected to register in their first semester. Students who do not pass the course are required to repeat the course in a subsequent semester.

GENERAL THESIS REGULATIONS

MS Students are encouraged to include a thesis investigation in their approved program of study. Accumulation of thesis semester hours and work done during a thesis investigation must be continuous up to the time of its completion. Only those students designated as regular graduate students who have satisfied the following requirements will be permitted to accumulate thesis credits. During the semester prior to that in which the student desires to initiate his/her thesis investigation, he/she must have:

1. Included a thesis investigation in his/her approved program of study;
2. Sought and obtained a member of the graduate faculty who agrees to act as his/her thesis advisor;
3. Submitted a completed thesis investigation form to the department in which the degree is to be awarded;
4. Obtained a Thesis Committee, appointed by the department chair, consisting of three members of the graduate faculty (including the advisor as committee chair).

Students should obtain a copy of "Specifications for Master's Thesis" from the office of the department chair which describes requirements in detail.

All theses in Engineering must be presented at a faculty-graduate seminar. It is the student's responsibility to ensure that this requirement is fulfilled, and that written notice of the presentation is distributed to all interested persons at least one week before the event.

Students who are in the process of completing a thesis are required to register for at least two semester hours of thesis in each semester, including summer, that they actively engage in that activity under faculty

School of Engineering

guidance. Semester hours thus accumulated that total more than the approved program of-study requirement are not counted toward the degree.

This procedure does not apply to Electrical Engineering, where students have up to 3 semesters (not counting the summer semester) to start and finish their project/thesis. For every semester they are not registered for any credits, they must take ELEG 596 (seminar) for 1 credit. They do not take ELEG 596 in the summer semester, unless it is their last semester.

Upon successful completion of the thesis, and acceptance by the Thesis Committee, provided all other requirements in the program of study are completed, the student becomes eligible for the degree.

COMPLETION OF MASTER'S DEGREE

The Master of Science degree will be awarded only to those students successfully completing the following requirements:

1. A minimum of 31 semester hours, 34 hours for Technology Management with a QPR of "B" or better in an approved program of study. The number of semester hours which may be transferred from another institution is an individual matter that will be reviewed by the major department, but is normally no more than 6 semester hours (8 semester hours in the case of laboratory courses).
2. Satisfactory completion of the state licensure requirements as prescribed by the faculty of the major department, and a favorable recommendation from the faculty upon review of the student's program and performance, after the student has made formal application for a Master's diploma.

When the degree is completed with a thesis, a minimum of eight courses of three semester hours each are required for the Master of Science degree in Electrical Engineering or Mechanical Engineering. For the Master of Science in Computer Science or Computer Engineering, nine courses of three semester hours each plus six semester hours (minimum) of thesis are required. For the Master of Science degree in Technology Management, nine courses of three semester hours

each plus six semester hours (minimum) of thesis are required; for students holding the Bachelor of Science in Manufacturing Engineering or Industrial Engineering from an approved program, this requirement may be reduced to eight courses of three semester hours each, plus six semester hours (minimum) of thesis.

COOPERATIVE EDUCATION PROGRAM

The School of Engineering offers an optional cooperative education program. See the Cooperative Education section of this Catalog for further information.

The faculty of the School of Engineering encourages both undergraduate and graduate students to participate in the Co-Op program and acquire work experience in industry while studying here at the University of Bridgeport.

Requirements for the Ph.D. degree in Computer Science and Engineering

TIME LIMITATION AND PROGRAM CONTINUITY

All requirements for the Ph.D. degree must be completed within seven years (fourteen consecutive semesters) of the effective start of an approved graduate program of study. Once a program is initiated, the student must maintain continuous enrollment until completion.

COMPLETION OF PH.D. DEGREE

The Ph.D. degree in Computer Science and Engineering will be awarded only to those students successfully completing the following requirements:

1. Completion of the formal requirements for an MS degree in computer science or computer engineering, including a thesis.
2. An additional eight (3-credit hours) courses, or 24 credit hours, in the discipline, including no more than two independent studies.

3. A two-semester teaching practice requirement (3 credit hours each), for which students are to register with no fees. The students will be expected to teach lower undergraduate level classes, and/or assist professors as teaching assistants (i.e., perform a significant teaching role), thus giving Ph.D. graduates experience for an academic teaching career.
4. At least 15 semester hours of dissertation research, culminating in a dissertation proposal defense and dissertation defense.
5. Comprehensive examination: written and oral (proposal defense).
6. Publication of at least two journal papers, or one journal and two refereed conference papers, within the course of the Ph.D. topic research. These publications are not required to be single authored by the student and they might be coauthored with members of the dissertation committee.

College of Public and International Affairs

Dean: Thomas J. Ward
Carlson Hall, room 235
303 University Avenue
Telephone: (203) 576-4966
Fax: (203) 576-4967
Email: ward@bridgeport.edu

Faculty: Al-Azdee, Benjamin, Healey, Hess, Katz, Kim, Lay, Riggs, Rubenstein, Setton, Skott, Yu, van der Giessen, Ward, Wei

Degree Programs

CRIMINAL JUSTICE AND HUMAN SECURITY (B.A.)

CONCENTRATIONS/MAJORS

Comparative Justice 12/15 S.H.
Criminology 12/15 S.H.
Human Security 12/15 S.H.

INTERNATIONAL POLITICAL ECONOMY AND DIPLOMACY (B.A.)

CONCENTRATIONS/MAJORS

Asia-Pacific Studies 12/15 S.H.
Peace and Development Studies 12/15 S.H.
Americas Studies 12/15 S.H.
Middle East Studies 12/15 S.H.

MARTIAL ARTS STUDIES (B.A.)

CONCENTRATIONS/MAJORS

Tae Kwon Do 12/15 S.H.
Tai Ji 12/15 S.H.

MASS COMMUNICATIONS (B.A.)

CONCENTRATIONS/MAJORS

Advertising 12/15 S.H.
Communication Studies 12/15 S.H.
Fashion Journalism 12/15 S.H.
International Communication 12/15 S.H.
Journalism 12/15 S.H.
Public Relations 12/15 S.H.
Sports Journalism 12/15 S.H.

SOCIAL SCIENCES (B.A.)

CONCENTRATIONS/MAJORS

Criminal Justice Program 12/15 S.H.
Pre-Law 12/15 S.H.
History 12/15 S.H.
International Studies 12/15 S.H.
Political Science 12/18 S.H.
Psychology 12/15 S.H.

WORLD RELIGIONS (B.A.)

CONCENTRATIONS/MAJORS

Religion and Community Service 12/18 S.H.
Religion, Conflict Analysis, and Meditation 12/18 S.H.
Religion and Contemporary Culture 12/18 S.H.

EAST ASIAN AND PACIFIC RIM STUDIES (M.A.)

CONCENTRATIONS/MAJORS

Conflict analysis and Resolution
Global Communication
Global Management
International Political Economy and Development

GLOBAL MEDIA AND COMMUNICATION STUDIES (M.A.)

CONCENTRATIONS/MAJORS

Global Communication
New Media Communication

GLOBAL DEVELOPMENT AND PEACE (M.A.)

CONCENTRATIONS/MAJORS

Conflict Analysis and Resolution
Global Communication
Global Management
International Political Economy and Development

Background and Focus

Founded in 2000 the College of Public and International Affairs of the University of Bridgeport offers social science-based programs aimed at preparing students for careers in international public service, international business, academia, government service, environment and the media. The College offers majors in Mass Communications, International Political Economy & Diplomacy, World Religions, Martial Arts Studies, and the Social Sciences.

Mission Statement

Through the degree program and the minors it offers the College of Public and International Affairs provides skills the needed by professionals in government, business and civil society to respond to the challenges and opportunities of globalization. The College stresses the genesis and evolution of modern democratic institutions while also offering insight into other fundamental forces that have shaped the world's cultures. Recognizing the importance of a broad cultural base, synthetic and analytical skills and a working knowledge of critical

world languages, the College of Public and International Affairs encourages study of the cultural underpinnings of the world's major civilizations. It encourages overseas study during the student's undergraduate study.

The College of Public and International Affairs's programs are designed to provide students with marketable skills that will enable them to render meaningful service in their careers. It encourages the study of conflict prevention and resolution and service learning. The College provides a wide-ranged academic preparation for scholars and practitioners who are interested in playing a role in the fostering of intercultural dialogue and global cooperation. The diverse, international student body of UB, serves as both a "living laboratory" and a "microcosm of the global world." It provides real life context for this type of learning experience.

Advisory Board

The College of Public and International Affairs Advisory Board consists of national leaders who have had a distinguished career in fields such as diplomacy international business, and in civil society. The Advisory Board normally meets twice each year and reviews the College's activities, interfaces with the Colleges faculty and students and it provides recommendations and feedback on the College of Public and International Affairs's ongoing program development. Current membership of the Advisory Board includes Ambassador Phillip V. Sanchez, former US Ambassador to Colombia and to Honduras; Jim Nicholas, Executive Director of the Connecticut World Trade Association, Inc. and Executive Partner Global Business Resources USA, LLC; Clement Malin, former Vice President for International Relations Texaco; David Hornby, former Vice President of the Lyons Club of Fairfield and Export Manager of Wallach Surgical Supplies; Eileen Heaphy, Career U.S. Foreign Services Officer; Robert Sammis, Senior Financial Service Advisor and Noel Brown, Career United Nations official and former North American Director of the United Nations Environmental Program. The Advisory Board also includes College of Public and International Affairs alumni Tamami Kawamura '05, a graduate student at Yale University, Grace Lee '05 and Sana Sarr '04.

College of Public and International Affairs

INTERNSHIPS, COOPERATIVE EDUCATION

Students of College of Public and International Affairs are strongly encouraged to obtain working experience through either the cooperative education program or the internship program. To participate in either co-op or internship, students must meet the following requirements:

- a. be of junior standing
- b. have completed at least 18 hours of coursework in the major
- c. be a student in good academic standing at the University

Lifelong Learning

The College of Public and International Affairs offers colloquia for adult learners and continuing education course for senior and for professionals. It has recently organized two visits to China for adult learners and has done an extended series of colloquia on the Middle East.

Special Areas of Interest

The College of Public and International Affairs and UB students and faculty study and conduct programs and research on the United Nations system. The college has sponsored lectures, conferences, and seminars on the United Nations and other international organizations; or the impact of regional customs unions; international human rights; and programs or sustainable development. The College provides a forum where students representing their respective nations have organized constructive public symposia on border and ethnic divides in hotspots such as Bosnia, Kosovo, Kashmir, Tibet, and the Middle East. UB students participate in the Model United Nations at the National Model United Nations where they have won awards for positive papers and delegation performance.

College of Public and International Affairs and the Study of the United Nations

The College of Public and International Affairs of the University of Bridgeport research and studies; international organization and the UN in particular. The College especially encourages research in two areas:

1. The growing (and changing) role of non-governmental organizations vis-a-vis the United Nations and
2. The evolving nature of political and economic relations between the United Nations and world powers, particularly the United States.

Admissions Criteria

A student is admitted to the majors in the College of Public and International Affairs of the University of Bridgeport after an evaluation of the high school transcript, class standing, counselor recommendations, and SAT scores. The student should demonstrate potential in analytical reasoning, comprehension, verbal expression, and a demonstrated interest in international affairs and or/world culture.

Accreditation

The degree programs of the College of Public and International Affairs of the University of Bridgeport are licensed and accredited by the State of Connecticut Department of Higher Education and the New England Association of Schools and Colleges (NEASC).

Shintaro Akatsu School of Design (SASD)

Director: Richard W. Yelle
Arnold Bernhard Center, room 810
84 Iranistan Avenue
Telephone: (203) 576-4222
Fax: (203) 576-4042
E-mail: ryelle@bridgeport.edu

Faculty: Kandaloft, Konsterlie, Larned,
Munch, Ruzicka, White, Yelle

Degree Programs

Design Management (M.P.S.)
Graphic Design (B.F.A.)
 Concentration in New Media
Industrial Design (B.A.)
Interior Design (B.A.)

Mission Statement

In keeping with a 60-year history of excellence, the mission of the Shintaro Akatsu School of Design (SASD) is to offer professional education in the design fields leading to baccalaureate degrees and successful careers in design. SASD develops students' abilities to identify, analyze, and solve design problems using culturally sensitive and environmentally sustainable methodologies and technologies. SASD is committed to advancing the use of best-practices in all areas of design.

Professional Environment

Each student has a space for in-class assignments with an adjacent computer design studio, a clean room for large-scale mock-ups and a well-equipped model shop and a photography studio. In addition to the full time faculty, practicing professional designers are invited to teach studio courses ensuring that the student receives a practical and current education.

Portfolio Focus

An important semester event is the Open House; professional designers are invited to a portfolio review in a celebration of the student's semester work. An aggressive summer internship program for the sophomore and junior students is key to their professional success. The senior thesis reinforces this internship experience. With the combination of a professional, robust portfolio and ex-

tensive internship experience our graduates are well prepared for an exciting and fulfilling career.

Computer Emphasis

We have a strong Computer Aided Design (CAD) emphasis balanced by traditional skill development. We use powerful programs that include Vellum 3D, form•Z, Photoshop, Illustrator, IronCAD, Alias Studio, Maya, Final Cut Pro, Premiere, Flash, and Solidworks. An example of our cutting-edge use of technology is in the Junior design studio, where students use the computer to directly create prototypes using stereolithography through a local high technology company.

Local Innovation

Connecticut has a spectacular history of innovation, invention, engineering, illustration, and design. Connecticut has the highest patents per capita. Many well-established corporations and a rapidly growing array of new high technology companies are in the immediate area. Bridgeport Machines, Dictaphone, Pitney Bowes, Remington, and Sikorsky Aircraft Corporation are next door and the World Headquarters of General Electric is in the nearby town of Fairfield. Evo, Product Ventures, Group Four Design, and 9th Wave are just a sample of the consulting animation, advertising, and interior design firms a short distance from Bridgeport.

Accreditation

SASD is an accredited member of the National Association of Schools of Art and Design (NASAD), the governing body of undergraduate and graduate art and design schools.

Division of Health Sciences

Vice Provost for Health Sciences:

David Brady

Wahlstrom Library, 7th floor

126 Park Avenue

Telephone: (203) 576-4676

E-mail: dbrady@bridgeport.edu

Mission Statement

The Division of Health Sciences includes the College of Chiropractic, the College of Naturopathic Medicine, the Acupuncture Institute, the Human Nutrition Institute, the Fones School of Dental Hygiene, and the Physician Assistant Institute. In accordance with the mission of the University, the Division of Health Sciences seeks to become a leader in the development of integrated healthcare, through education, research and clinical practice.

A variety of programs are offered at all levels throughout the Division. Undergraduate studies are currently offered in Dental Hygiene. Graduate, professional studies are offered in Acupuncture, Chiropractic, Naturopathic Medicine, Human Nutrition, Dental Hygiene and Physician Assistant Studies. The Division provides opportunities for students in different programs to interact through courses of common interest and by providing avenues for completion of multiple degrees within the Division.

Clinical services and outreach services provide care for those in the local urban area, through the University of Bridgeport clinics and off-campus clinical sites.

Recognizing the need for alternatives to traditional, on-campus study in the area of health sciences, the Division offers an online Masters program in Human Nutrition and an online Dental Hygiene degree completion program, and a graduate Dental Hygiene program.

Acupuncture Institute

Acupuncture Institute
Health Sciences Center
60 Lafayette Street
Telephone: (203) 576-4122
Fax: (203) 576-4107
E-mail: acup@bridgeport.edu

Director: Jennifer Brett, N.D., L.Ac.
Health Sciences Center
60 Lafayette Street
Telephone: (203) 576-4122
E-mail: jbrett@bridgeport.edu

Associate Director for Academic Affairs:
Charles Ford, L.Ac.
Health Sciences Center
Telephone: (203) 576-4423
E-mail: charlesf@bridgeport.edu

Clinic Director: James Fitzpatrick, Jr., L.Ac.
Health Sciences Center
Telephone: (203) 576-4302
E-mail: jfitzpat@bridgeport.edu

Faculty: Brett, Dreszer, Fitzpatrick, Ford, Kuzminov, LaCava, Lee, Regan, Ritterman
Faculty for the Basic Sciences (in conjunction with the College of Naturopathic Medicine) include: Kendlar, Mattie, Ross, Terfera

Acupuncture and Oriental Medicine (AOM) is one of the most respected healing professions around the globe. It serves a quarter of the world's population and has increased in public acceptance in the United States and Europe as the fastest growing complementary health care field. AOM has gained this respect by being the most ancient written form of medical therapy known. For more information, call Dr. Jennifer Brett: (203) 576-4122 or 1-800-EXCEL-UB (1-800-392-3582), ext. 4122

Traditional Chinese Medicine (TCM), which encompasses acupuncture, manual therapy, diet counseling, herbal therapies, exercise and breathing techniques, has been in use for thousands of years. Over the millennia, the Asian community has continuously refined this ancient healing art. During the last century, this refinement has included integration of Western medical sciences within the paradigm of TCM.

MS-AC

The development of the Master of Science in Acupuncture degree program integrates the medical concepts of both the East and West. The student will learn classical acupuncture and Traditional Chinese medical theory as well

as up-to-date western bio-medical sciences.

The Master of Science in Acupuncture degree program's goal is to provide acupuncture and Traditional Chinese medical training consistent with the developing traditions in Asia and the growing modern health care system in the United States.

Having an opportunity to work alone and in conjunction with other health care practitioners in the Health Sciences Center, the students will be able to integrate the care of patients with other health care providers. Thus, the student gains a "real world" advantage before entering private practice.

MS-TCM

The MS-TCM is a 4-year program during which the students are instructed in Chinese Herbology during three (3) of the four (4) years of training, after a first year of basic sciences, theory and diagnosis classes lay the foundation for understanding the art and science of a full range of TCM modalities. All foundational courses and clinical rotations from the MS-AC program are included in the MS-TCM.

The nearly 3400-hours of training in Traditional Chinese Medicine modalities, including excellent training in acupuncture, moxibustion, tui na as well as Chinese herbal studies is designed to produce graduates with exemplary clinical skills. The clinical focus of this program is evident from the very first classes and permeates all the training in the MS-TCM program.

The MS-TCM program is a residential program with students completing over 80% of their course work and 100% of their clinical rotations in residence. The ASIAN/CHINESE HERBOLOGY (ACH) courses will be offered in a blended format with 50% of the didactic program offered online and 50% during 4 weekends each semester, and an additional 3 weekends each summer for a total of 11 weekends a year. Students will participate in an online environment to complete their ASIAN/CHINESE HERBOLOGY studies.

MS-CH

The MS-CH program is a stand-alone program that will allow licensed health care professionals to better understand Chinese Herbology and be able to safely utilize these herbal products.

Currently, many healthcare professionals are able to prescribe herbal therapies (MDs,

NDs, DCs, L.Acs) or work with herbal therapies (PharmDs). The UB MS-CH program is the only clinically-oriented systematic masters-level program for health professionals in these therapies. By focusing on the clinical application and uses of these herbs and formulae from the start of the program health professionals will be able to have advanced clinical skills by the time of graduation. The focus of this program is on not only clinical usage of Chinese herbal therapies but also on safety in the clinical setting while framing the clinical use of these herbs in the TCM tradition. The potential for issues associated with integrated care and drug-herb and nutrient-herb interactions are covered in detail within the MS-CH courses.

The nearly 900-hours of training in Chinese herbal studies will produce graduates with exemplary clinical skills. The clinical focus of this program is evident from the very first classes and permeates all the training in the MS-CH program.

Degrees

Master of Science in Acupuncture (M.S.Ac.)

Master of Science in Traditional Chinese Medicine (M.S.TCM)

Master of Science in Chinese Herbology (M.S.CH.)

The MS-Acupuncture degree program of the University of Bridgeport Acupuncture Institute is programmatically accredited by the Accreditation Commission for Acupuncture and Oriental Medicine (ACAOM), which is the recognized accrediting agency for programs preparing acupuncture and Oriental medicine practitioners. ACAOM is located at 14502 Greenview Drive, Suite 300B, Laurel, MD 20708; phone 301/313-0855; fax 301/313-0912.

The MS-TCM program of the University of Bridgeport has been admitted to Candidacy status by the Accreditation Commission for Acupuncture and Oriental Medicine ("ACAOM") and is in the process of seeking accreditation. ACAOM: 14502 Greenview Drive, Suite 300B, Laurel, MD 20708, Phone: (301) 313-0855.

Accreditation contact:
ACAOM

14502 Greenview Drive, Suite 300B
Laurel, MD 20708

Phone: (301) 313-0855

Fax: (301) 313-0912

email: info@acaom.org

Acupuncture Institute

Educational Mission, Objectives & Goals:

Acupuncture Institute Mission & Educational Objectives **Most recent update: Approved by UBAI faculty September 2012**

The mission of the University of Bridgeport Acupuncture Institute is to offer a comprehensive education that prepares qualified candidates to become successful licensed acupuncturists. The University of Bridgeport Master of Science in Acupuncture degree program is an integrated unit of the University of Bridgeport, a private, non-sectarian, comprehensive university. The program seeks to advance the discipline of oriental medical acupuncture through educational, clinical and scholarly activities. The program educates its students to be productive, caring and responsible citizens and skilled healthcare professionals. By providing an outstanding professional education, the program will produce graduates with a high level of clinical skills who have the commitment and judgment necessary to act in the service of others.

The Educational Objectives of the Acupuncture Institute are to train and educate acupuncture students who prior to graduation:

1. Demonstrate competency in utilizing the four examinations to identify Traditional Chinese Medicine (TCM) diagnoses.
2. Have the ability to formulate and skillfully implement the safe and effective clinical application of Chinese medicine modalities based upon a total assessment of the patient;
 - i. For MS- Acup: to formulate and skillfully implement safe and effective TCM acupuncture, moxabustion, qi cultivation, tui na and adjunctive techniques.
 - ii. For MS-TCM: to formulate and skillfully implement safe and effective acupuncture, moxabustion, Chinese herbal medicine, qi cultivation, tui na and other adjunctive techniques.
 - iii. For MS-CH: to formulate and skillfully implement safe and effective Chinese herbal medicine, and dietary therapies.
3. Adapt diagnosis and treatment strategies as needed for diverse patient populations.

4. Evaluate patient care from biomedical, pharmacological and Asian perspective in order to understand the medical context in which patients present, make appropriate treatment, and consultation decisions in various healthcare settings including as part of a collaborative health care team; and make timely referrals when appropriate.

5. Value patients' dignity and confidentiality.

University of Bridgeport Acupuncture Institute institutional goals are to:

1. Offer a comprehensive graduate-level education that trains future graduates in a broad range of TCM knowledge, competencies and skills so that we achieve our Mission and educational objectives
2. Administer a professional and affordable treatment clinic that:
 - a. Serves the local community; and
 - b. Instructs student interns in the diagnosis and treatment of health conditions in a diverse population
3. Conduct outreach clinics to:
 - a. Support the profession of acupuncture through community service; and
 - b. Train students in integrative care settings;
4. Preserve and further the understanding of human health and the art of Asian medicine.
5. Produce graduates who can meet state and national licensure requirements.

UBAI Vision Statement

The University of Bridgeport Acupuncture Institute (UBAI) will lead in the movement to create cross-platform approaches to medicine and health between conventional, Western biomedical concepts and Traditional Chinese medicine (TCM) training and care. UBAI will train healthcare leaders who, through evaluation of patient care from a variety of perspectives, including biomedical, pharmacological and Asian perspectives, will create opportunities for working in integrative care settings, as part of a collaborative health care team, and throughout the modern US medical infrastructure.

Tuition and Fees:

(See insert for current year's Tuition, Fees and Other Expenses)

Deposits

All charges are payable in full by the fourth day of the semester. A nonpayment fee will be assessed. The student receives no reduction in charges for temporary absence from classes or residence hall and no refund if he or she is suspended or dismissed or leaves the University of residence hall for any cause. Students with outstanding balances will not be able to register for the following semester.

The student will not receive grades, a diploma, a certificate, or a transcript of his academic record until all financial obligations to the University have been met.

If an account becomes severely delinquent and the University is forced to submit the account to an outside agency for collection, the costs of same will be added to the student's balance.

The tuition fee does not include the cost of books and supplies. These must be purchased by the student. The student should inquire about the cost of special materials, equipment and uniforms required for special courses.

The University does not assume responsibility for the loss of personal property of students either on or off campus. It is recommended that students protect themselves against such losses by consulting with their own (or their parents') insurance agent in regard to coverage provided by existing policies, if any; or by purchasing private property insurance through a private agent.

Curriculum MS-AC

The Master of Science in Acupuncture degree program is three years in length (34 months) and is scheduled on a semester basis. The curriculum of this major consists of seven (7) distinct areas:

1. Acupuncture Practice and Techniques:

The nine (9) acupuncture courses introduce students to the theoretical and practical information of acupuncture therapy. The student becomes proficient in the clinical applications of acupuncture, moxabustion, cupping, electrical stimulation, and bleeding techniques. The student learns to identify acupuncture points by anatomical

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location, palpation, and proportional measurement. The classification, function and indications for each acupuncture point are discussed and demonstrated. In addition to the twelve bilateral channels, two mid-line vessels and six other extra meridians, forbidden and contraindication of points are discussed. In addition, extra points, auricular points and other categories of acupuncture points are demonstrated and treatment techniques based on these extra meridians and points are discussed and practiced.

2. Asian Medicine Theory, Diagnosis and Application:

The twelve (12) oriental medicine theory and diagnosis courses are designed to provide the student with an understanding of the scope, philosophy, theory and conceptual frame work of oriental medicine and how acupuncture specifically affects the body within the oriental treatment paradigms. Emphasis is placed on Traditional Chinese Medicine (TCM) diagnoses and effective treatment strategies.

3. Western Biomedicine:

The twelve (12) western biomedical courses are designed to train the student fully about western medical terms, history taking, physical exam and diagnostic skills. The student learns how to make the appropriate referral and consultation, as well as the clinical relevance of laboratory and diagnostic tests and procedures.

4. Herbal Medicine Survey:

The four (4) courses in herbal medicine and dietetics give the student a basic introduction to western and Chinese botanical medicine and TCM treatment philosophies relevant to herbal medicine and clinical diet therapies. Training in botanical medicine is limited in the Acupuncture Institute to three survey courses: Botanical Medicine, Introduction to Chinese Herbal Remedies and Patent Remedies. Information is provided on indications, contraindications and drug-herb interactions. In addition, the two courses in dietetics and nutrition help the student understand the role of nutrition in patients' health. (Note that the course in western nutrition is listed under Western Biomedicine: ANT 521 Nutrition.)

5. Movement and Respiration Studies:

The seven (7) movement and respiration courses are designed to enhance the student's personal and energetic development. The student will be exposed to a wide variety of Asian movement practices that can be used to maintain their own and their patients' health care needs. In addition to the movement studies, two courses in soft tissue treatment techniques are offered.

6. Counseling, communications and practice management:

The two (2) specific courses in this area enhance the students' clinical skills, both in terms of diagnosing addressing patients' psychological health and in the area of best business practices. In addition, the two second year seminars, cross referenced in the "Oriental Theory, Diagnosis and Application" (ATD) section help students learn the fundamental skills needed for private practice, ethical and legal considerations in health care and special considerations for practice in integrated care settings.

7. Clinical Services:

The five (5) clinical services courses are designed to allow the student to develop clinical, interpersonal communication and decision-making skills. In addition, students learn professional conduct, efficiency and confidence in dealing with patients on a regular basis. From inception through the end of clinical training, the student has the opportunity to observe and work with advanced TCM practitioners as well as other health care professionals. This allows the student to understand how and when to make appropriate referrals. Clinical training sites are available in the UBAl on-campus clinic as well as in community and hospital outreach clinical sites. By the end of clinical training, each student will have seen a minimum of 380 patient visits and will have completed 830 hours of clinical training.

ACUPUNCTURE CURRICULUM

SEMESTER ONE

| NUMBER | COURSE | LECT. | LAB | SEM. | CR. |
|---------|----------------------|-------|-----|------|-----|
| ABS 511 | Anatomy 1 | 4 | 0 | 72 | 4 |
| ABS 515 | Physiology 1 | 2 | 0 | 36 | 2 |
| ATD 512 | Oriental Theory | 2 | 0 | 36 | 2 |
| ATD 513 | Oriental Diagnosis 1 | 2 | 0 | 36 | 2 |

| | | | | | |
|---------|------------------------|------|-----|-----|----|
| ATD 511 | Oriental History/Phil. | 1 | 0 | 18 | 1 |
| APT 511 | Point Location 1 | 1.5 | 1 | 45 | 2 |
| AMR 511 | Tai Ji Quan 1 | 0 | 1.5 | 27 | 1 |
| ACS 511 | Evidence Informed P. | 1 | 0 | 18 | 1 |
| APT 512 | Meridian Theory | 2 | 0 | 36 | 2 |
| Total: | | 15.5 | 2.5 | 324 | 17 |

SEMESTER TWO:

| | | | | | |
|---------|----------------------|------|-----|-----|----|
| ABS 522 | Anatomy 2 | 4 | 0 | 72 | 4 |
| ABS 525 | Physiology 2 | 2 | 0 | 36 | 2 |
| ATD 524 | Oriental Diagnosis 2 | 2 | 0 | 36 | 2 |
| APT 523 | Point Location 2 | 1.5 | 1 | 45 | 2 |
| AMR 522 | Tai Ji Quan 2 | 0 | 1.5 | 27 | 1 |
| ANT 521 | Western Nutrition | 2 | 0 | 36 | 2 |
| AWB 521 | Clean Needle Tech. | 1 | 54 | 2 | |
| AWB 523 | Pharmacology | 1 | 0 | 18 | 1 |
| ATD 526 | Seminar 1 | 1.5 | 0 | 27 | 1 |
| Total: | | 14.5 | 3.5 | 351 | 17 |

SEMESTER THREE:

| | | | | | |
|---------|-----------------------|------|-----|-----|----|
| ACS 612 | Clinical Diagnosis 1 | 3 | 2 | 90 | 4 |
| ACS 611 | Pathology 1 | 2 | 0 | 36 | 2 |
| APT 614 | Acupuncture Tech 1 | 2 | 2 | 72 | 3 |
| AHM 612 | Intro Chin Herbal Rem | 1 | 0 | 18 | 1 |
| AMR 613 | Qi Gong 1 | 0 | 1.5 | 27 | 1 |
| AHM 613 | Oriental Dietetics | 2 | 0 | 36 | 2 |
| ACS 613 | Lab Diagnosis | 2 | 0 | 36 | 2 |
| AHM 521 | Botanical Medicine 2 | 0 | 36 | 2 | |
| ACS 711 | Preceptorship 1 | 0 | 3 | 60 | 2 |
| ATD 617 | Seminar 2 | 1.5 | 0 | 27 | 1 |
| Total: | | 15.5 | 8.5 | 438 | 20 |

SEMESTER FOUR:

| | | | | | |
|---------|----------------------|----|-----|-----|----|
| ACS 623 | Clinical Diagnosis 2 | 3 | 2 | 90 | 4 |
| ACS 624 | Pathology 2 | 3 | 0 | 54 | 3 |
| APT 625 | Acupuncture Tech 2 | 2 | 2 | 72 | 3 |
| AMR 624 | Qi Gong 2 | 0 | 1.5 | 27 | 1 |
| APS 621 | Psych Assessment | 2 | 0 | 36 | 2 |
| APT 626 | Auricular Acup | 1 | 0 | 18 | 1 |
| ACS 722 | Preceptorship 2 | 0 | 2 | 60 | 2 |
| ATD 727 | Case Studies 1 | 1 | 0 | 18 | 1 |
| AWB 621 | Medical Ethics | 1 | 0 | 18 | 1 |
| Total: | | 13 | 7.5 | 393 | 18 |

SUMMER SESSION:

| | | | | | |
|---------|---------------------|---|----|-----|----|
| ACS 631 | Clinic Education 1 | 0 | 10 | 245 | 8 |
| APT 637 | Japanese Acup Tech. | 1 | 0 | 18 | 1 |
| AMR 627 | Palpation/Massage 0 | 2 | 54 | 2 | |
| Total: | | 1 | 12 | 317 | 11 |

SEMESTER FIVE:

| | | | | | |
|---------|------------------------|---|----|-----|----|
| ATD 711 | East-West Path. | 2 | 0 | 36 | 2 |
| AMR 715 | Oriental Massage 1 | 2 | 54 | 2 | |
| ATD 715 | Oriental Internal Med. | 2 | 0 | 36 | 2 |
| ACS 712 | Clinical Education 2 | 0 | 10 | 215 | 8 |
| ATD 728 | Case Study Org. | 1 | 0 | 18 | 1 |
| ATD 729 | Oriental Gynecology | 1 | 0 | 18 | 1 |
| ATD 618 | Seminar 3 | 1 | 0 | 27 | 1 |
| Total: | | 8 | 12 | 404 | 17 |

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SEMESTER SIX:

| NUMBER | COURSE | LECT. | LAB | SEM. | CR. |
|---------|-----------------------|-------|-----|------|-----|
| AMR 726 | Oriental Massage 2 | 1 | 2 | 54 | 2 |
| ATD 717 | Adv. Pulse/Tongue Dx | 1 | 0 | 18 | 1 |
| ACS 724 | Public Health | 2 | 0 | 36 | 2 |
| APP 721 | Practice Management | 2 | 0 | 36 | 2 |
| ACS 723 | Clinical Education 3 | 0 | 10 | 220 | 8 |
| AHM 713 | Patent Remedies | 2 | 0 | 36 | 2 |
| APT 718 | Pediatric Acupuncture | 1 | 0 | 18 | 1 |
| Total: | | 9 | 12 | 418 | 18 |

Total All Semesters: 76.5 582,645 118

Total: 118 credits.

830 Clinical hours/26 credits; 1815 didactic hours/92 credits.

CONTACT HOUR BY AREA:

ASIAN MEDICINE THEORY, DIAGNOSIS AND APPLICATION 333

| | |
|---|----|
| Oriental History & Philosophy..... | 18 |
| Oriental Medical Theory..... | 36 |
| Oriental Diagnosis I..... | 36 |
| Oriental Diagnosis II..... | 36 |
| 1st Year Seminar 1..... | 27 |
| 1st Year Seminar 2..... | 27 |
| 2nd Year Seminar 2..... | 27 |
| East-West Pathology..... | 36 |
| Oriental Internal Medicine..... | 36 |
| Case Study Organization & Analysis..... | 18 |
| Oriental Gynecology..... | 18 |
| Advanced Pulse & Tongue Diagnosis..... | 18 |

ACUPUNCTURE PRACTICE AND TECHNIQUES..... 378

| | |
|---------------------------------------|----|
| Point Location 1..... | 45 |
| Point Location 2..... | 45 |
| Meridian Theory..... | 36 |
| Acupuncture Techniques 1..... | 72 |
| Acupuncture Techniques 2..... | 72 |
| Auricular Acupuncture..... | 18 |
| Clean Needle Technique..... | 54 |
| Japanese Acupuncture Techniques..... | 18 |
| Pediatric Acupuncture Techniques..... | 18 |

ACUPUNCTURE RELATED STUDIES 306

| | |
|-------------------------|----|
| Taijiquan 1..... | 27 |
| Taijiquan 2..... | 27 |
| Qi Gong 1..... | 27 |
| Qi Gong 2..... | 27 |
| Palpation/Massage..... | 54 |
| Oriental Massage 1..... | 54 |
| Oriental Massage 2..... | 54 |
| Oriental Dietetics..... | 36 |

TOTAL: OM theory, diagnosis, treatment and acupuncture related studies: 1017

HERBAL MEDICINE SURVEY..... 90

| | |
|---------------------------------------|----|
| Botanical Medicine..... | 36 |
| Intro to Chinese Herbal Remedies..... | 18 |
| Patent Remedies..... | 36 |

WESTERN BASIC & BIOMEDICAL SCIENCES 612

| | |
|---------------------------|----|
| Anatomy 1..... | 72 |
| Anatomy 2..... | 72 |
| Physiology 1..... | 36 |
| Physiology 2..... | 36 |
| Pathology 1..... | 36 |
| Pathology 2..... | 54 |
| Clinical Diagnosis 1..... | 90 |
| Clinical Diagnosis 2..... | 90 |
| Lab Diagnosis..... | 36 |
| Public Health..... | 36 |
| Pharmacology..... | 18 |
| Western Nutrition..... | 36 |

COUNSELING, COMMUNICATIONS, ETHICS, PRACTICE MGT 99

| | |
|-------------------------------|----|
| 2nd Year Seminar 1..... | 27 |
| Psychological Assessment..... | 36 |
| Practice Management..... | 36 |

CLINICAL EDUCATION..... 830

| | |
|---------------------------|-----|
| Preceptorship 1..... | 75 |
| Preceptorship 2..... | 75 |
| Clinical Education 1..... | 245 |
| Clinical Education 2..... | 215 |
| Clinical Education 3..... | 220 |

TOTAL PROGRAM 2,648

Total: 118 credits. Note that each preceptorship credit corresponds with 37 clock hours; each clinic credit corresponds with 28 clock hours.

830 clinical training hours/1818 didactic training hours. Of the didactic training, 747 are in the basic sciences, 1071 in Traditional Chinese Medicine

Curriculum – MS-TCM

The Master of Science in Traditional Chinese Medicine degree program is four years in length (45 months) and is scheduled on a semester basis. The curriculum of this major consists of eight (8) distinct areas:

1. Acupuncture Practice and Techniques (APT):

The nine (9) acupuncture courses introduce students to the theoretical and practical information of acupuncture therapy. The student becomes proficient in the clinical applications of acupuncture, moxabustion, cupping, electrical stimulation, and bleeding techniques. The student learns to

identify acupuncture points by anatomical location, palpation, and proportional measurement. The classification, function and indications for each acupuncture point are discussed and demonstrated. In addition to the twelve bilateral channels, two mid-line vessels and six other extra meridians, forbidden and contraindication of points are discussed. In addition, extra points, auricular points and other categories of acupuncture points are demonstrated and treatment techniques based on these extra meridians and points are discussed and practiced.

2. Asian Medicine Theory, Diagnosis and Application (ATD):

The twelve (12) oriental medicine theory and diagnosis courses are designed to provide the student with an understanding of the scope, philosophy, theory and conceptual frame work of oriental medicine and how acupuncture specifically affects the body within the Traditional Chinese Medicine treatment paradigms. Emphasis is placed on Traditional Chinese Medicine (TCM) diagnoses and effective treatment strategies.

3. Western Biomedicine (AWB):

The twelve (12) western biomedical courses are designed to train the student fully about western medical terms, history taking, physical exam and diagnostic skills. The student learns how to make the appropriate referral and consultation, as well as the clinical relevance of laboratory and diagnostic tests and procedures.

4. Herbal Medicine Survey (AHM):

The five (5) courses in herbal medicine and dietetics give the student a basic introduction to Chinese pharmacy and dispensary practices, common OTC North American botanicals, the ethical consideration of utilizing sparse resources, and TCM clinical diet therapies. Information in the western botanical and pharmacy classes provides clear information regarding indications, contraindications and drug-herb interactions. The ethical and ecological impacts of TCM materia medica on the health of the individual and the world are explored. In addition, the two courses in dietetics and nutrition help the student understand the role of nutrition in patients' health. (Note that the course in western nutrition

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is listed under Western Biomedicine: ANT 521 Nutrition.)

5. Asian/Chinese Herbology (ACH):

The ten (10) courses in Chinese Herbology offer the student a thorough understanding of Chinese Materia Medica, Classical and Patent formulas and modifications, and the clinical application of Chinese herbs and formulae. The student becomes proficient in the theories pertinent to Chinese Herbal Medicine and the clinical applications of Chinese materia medica for a wide variety of clinical situations and patient populations. At the completion of the 10 course survey, students will have learned over 300 individual herbs and over 150 different classical and patent formulae.

6. Movement and Respiration Studies:

The seven (7) movement and respiration courses are designed to enhance the student's personal and energetic development. The student will be exposed to a wide variety of Asian movement practices that can be used to maintain their own and their patients' health care needs. In addition to the movement studies, three courses in soft tissue treatment techniques are offered.

7. Counseling, communications and practice management:

The two (2) specific courses in this area enhance the students' clinical skills, both in terms of diagnosing addressing patients' psychological health and in the area of best business practices. In addition, the courses of AWB 621 Medical Ethics, ACS 511 Evidence informed Clinical Practices, and ATD 618 Seminar 3 (cross listed in the ATD section) help students learn the fundamental skills needed for private practice, ethical and legal considerations in health care and special considerations for practice in integrated care settings.

8. Clinical Services:

The five (5) acupuncture clinical services courses and four (4) Chinese Herbology clinical services (for a total of nine – 9 – clinical experience courses) are designed to allow the student to develop clinical, interpersonal communication and decision-making skills. In addition, students learn professional conduct, efficiency and confidence in dealing with patients on a regular basis. From inception through the

end of clinical training, the student has the opportunity to observe and work with advanced TCM practitioners as well as other health care professionals. This allows the student to understand how and when to make appropriate referrals. Clinical rotations are available in the UBAI on-campus clinic as well as in community and hospital outreach clinical sites. By the end of clinical training, each student will have seen a minimum of 575 patient visits and will have completed 1190 hours of clinical training (830 hours in the acupuncture/general clinical care; 360 in the herbology clinic).

CURRICULUM – MS-Traditional Chinese Medicine

SEMESTER 1

| NUMBER | COURSE | LECT. | LAB | SEM. | GR. |
|---------|---------------------------------|-------|-----|------|-----|
| ABS 511 | Anatomy 1 | 4 | 0 | 72 | 4 |
| ABS 515 | Physiology 1 | 2 | 0 | 36 | 2 |
| ATD 512 | Oriental Theory | 2 | 0 | 36 | 2 |
| ATD 513 | Oriental Diagnosis 1 | 2 | 0 | 36 | 2 |
| ATD 511 | Oriental History and Philosophy | 1 | 0 | 18 | 1 |
| APT 511 | Taijiquan 1 | 0 | 1.5 | 27 | 1 |
| APT 512 | Meridian Theory | 2 | 0 | 36 | 2 |
| ACS 511 | Evidence Informed Practice | 1 | 0 | 18 | 1 |
| APT 512 | Point Location 1 | 1.5 | 1 | 45 | 2 |
| Total: | | 15.5 | 2.5 | 324 | 17 |

SEMESTER 2

| | | | | | |
|---------|------------------------|------|-----|-----|------|
| ABS 522 | Anatomy 2 | 4 | 0 | 72 | 4 |
| ABS 525 | Physiology 2 | 2 | 0 | 36 | 2 |
| ATD 524 | Oriental Diagnosis 2 | 2 | 0 | 36 | 2 |
| APT 523 | Point Location 2 | 1.5 | 1 | 45 | 2 |
| AMR 522 | Taijiquan 2 | 0 | 1.5 | 27 | 1 |
| ANT 521 | Western Nutrition | 2 | 0 | 36 | 2 |
| AWB 521 | Clean Needle Technique | 1.5 | 1 | 54 | 2 |
| AWB 523 | Pharmacology | 1 | 0 | 18 | 1 |
| ATD 526 | Seminar 1 | 1.5 | 0 | 27 | 1.5 |
| Total: | | 15.5 | 3.5 | 351 | 17.5 |

SEMESTER 3

| | | | | | |
|---------|--|------|-----|-----|------|
| ACS 612 | Clinical Diagnosis 1 | 3 | 2 | 90 | 4 |
| ACS 611 | Pathology 1 | 2 | 0 | 36 | 2 |
| APT 614 | Acupuncture Tech 1 | 2 | 2 | 72 | 3 |
| AMR 613 | Qigong 1 | 0 | 1.5 | 27 | 1 |
| AHM 613 | Oriental Diagnostics | 2 | 0 | 36 | 2 |
| ACS 613 | Lab Diagnosis | 2 | 0 | 36 | 2 |
| AHM 521 | Botanical Medicine | 2 | 0 | 36 | 2 |
| ATD 617 | Seminar 2 | 1.5 | 0 | 27 | 1.5 |
| ACH 511 | Chinese Herbs for Channel Obstructions | 2 | 0 | 36 | 2 |
| ACS 711 | Preceptorship 1 | 0 | 4 | 75 | 2 |
| Total: | | 16.5 | 9.5 | 471 | 21.5 |

SEMESTER 4:

| | | | | | |
|---------|--|------|------|-----|------|
| ACS 623 | Clinical Diagnosis 2 | 3 | 2 | 90 | 4 |
| ACS 624 | Pathology 2 | 3 | 0 | 54 | 3 |
| APT 625 | Acupuncture Techniques 2 | 2 | 2 | 72 | 3 |
| AMR 624 | Qigong 2 | 0 | 1.5 | 27 | 1 |
| AMR 627 | Palpation/Massage | 0 | 2 | 54 | 2 |
| APS 621 | Psych Assessment | 2 | 0 | 36 | 2 |
| APT 626 | Auricular & Scalp Acupuncture | 1 | 0 | 18 | 1 |
| ACS 722 | Preceptorship 2 | 0 | 4 | 75 | 2 |
| ATD 727 | Case Studies 1 | 1 | 0 | 18 | 1 |
| AWB 621 | Medical Ethics | 1 | 0 | 18 | 1 |
| ACH 523 | Chinese Herbal Theories & Triple burner theories | 1.5 | 0 | 27 | 1.5 |
| Total: | | 14.5 | 11.5 | 489 | 23.5 |

SUMMER SESSION:

| | | | | | |
|---------|---------------------------------|---|----|-----|----|
| ACS 631 | Clinical Education 1 | 0 | 12 | 245 | 8 |
| APR 637 | Japanese Acupuncture Techniques | 1 | 0 | 18 | 1 |
| ACH 635 | Clinical Application of Herbs 1 | 2 | 0 | 36 | 2 |
| Total: | | 3 | 12 | 299 | 11 |

SEMESTER 5:

| | | | | | |
|---------|---|------|----|-----|------|
| ATD 711 | East-West Pathology | 2 | 0 | 36 | 2 |
| AMR 715 | Oriental Massage 1 1 | 2 | 54 | 2 | |
| ATD 715 | Oriental Internal Medicine | 2 | 0 | 36 | 2 |
| ATD 728 | Case Study Organization | 1 | 0 | 18 | 1 |
| ATD 729 | Oriental Gynecology | 1 | 0 | 18 | 1 |
| ATD 618 | Seminar 3 | 1.5 | 0 | 27 | 1.5 |
| ACH 512 | Chinese Herb Formulae for Common Ailments | 2 | 0 | 36 | 2 |
| ACS 712 | Clinical Education 2 | 0 | 12 | 215 | 8 |
| Total: | | 10.5 | 14 | 440 | 19.5 |

SEMESTER 6:

| | | | | | |
|---------|--|-----|----|-----|------|
| AMR 726 | Oriental Massage 2 | 1 | 2 | 54 | 2 |
| ATD 717 | Advanced Pulse & Tongue Diagnosis | 1 | 0 | 18 | 1 |
| ACS 724 | Public Health | 2 | 0 | 36 | 2 |
| APP 721 | Practice Management | 2 | 0 | 36 | 2 |
| APT 718 | Pediatric Acupuncture | 1 | 0 | 18 | 1 |
| ACH 524 | Chinese Herbs for Exogenous Disease Patterns | 2.5 | 0 | 45 | 2.5 |
| ACS 723 | Clinical Education 3 | 0 | 12 | 220 | 8 |
| Total: | | 9.5 | 14 | 427 | 18.5 |

SUMMER SESSION:

| | | | | | |
|---------|---|---|---|-----|-----|
| ACH 636 | Chinese Formulae 1 | 2 | 0 | 36 | 2 |
| AHM 634 | Dispensary Management | 1 | 0 | 18 | 1 |
| AHM 635 | Pharmacognosy & Pharmacology of Chinese Herbs | 1 | 0 | 18 | 1 |
| ACC 611 | Chinese Herb Clinic 1 | 0 | 4 | 130 | 2.5 |
| Total: | | 4 | 4 | 202 | 6.5 |

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SEMESTER 7:

| | | | | | |
|---------|---|---|---|-----|-----|
| ACH 617 | Clinical Application of Herbs 2 | 2 | 0 | 36 | 2 |
| ACH 619 | Chinese Formulae 2 | 2 | 0 | 36 | 2 |
| AHM 616 | Ethical and ecological considerations of Chinese materia medica | 1 | 0 | 18 | 1 |
| ACC 632 | Chinese Herb Clinic 2A | 0 | 2 | 65 | 1.5 |
| ACC 723 | Chinese Herb Clinic 2B | 0 | 2 | 65 | 1.5 |
| Total: | | 4 | 3 | 220 | 8 |

SEMESTER 8:

| | | | | | |
|---------|---------------------------------|---|---|-----|---|
| ACH 628 | Clinical Application of Herbs 3 | 2 | 0 | 36 | 2 |
| ACH 641 | Chinese Formulae 3 | 2 | 0 | 36 | 2 |
| ACC 724 | Chinese Herb Clinic 3 | 0 | 4 | 100 | 2 |
| Total: | | 4 | 4 | 172 | 6 |

Total All Semesters: 3377 hours 149 credits

CONTACT HOUR BY AREA:

ASIAN MEDICINE THEORY, DIAGNOSIS AND APPLICATION 338

| | |
|---|----|
| Oriental History & Philosophy..... | 18 |
| Oriental Medical Theory..... | 36 |
| Oriental Diagnosis I..... | 36 |
| Oriental Diagnosis II..... | 36 |
| Seminar 1..... | 27 |
| Seminar 2..... | 27 |
| Seminar 3 (1/2 total hours)..... | 14 |
| (also in communication skills) | |
| East-West Pathology..... | 36 |
| Oriental Internal Medicine..... | 36 |
| Case Study 1..... | 18 |
| Case Study Organization & Analysis..... | 18 |
| Oriental Gynecology..... | 18 |
| Advanced Pulse & Tongue Diagnosis..... | 18 |

ACUPUNCTURE PRACTICE AND

TECHNIQUES..... 378

| | |
|---------------------------------------|----|
| Point Location 1..... | 45 |
| Point Location 2..... | 45 |
| Meridian Theory..... | 36 |
| Acupuncture Techniques 1..... | 72 |
| Acupuncture Techniques 2..... | 72 |
| Auricular Acupuncture..... | 18 |
| Clean Needle Technique..... | 54 |
| Japanese Acupuncture Techniques..... | 18 |
| Pediatric Acupuncture Techniques..... | 18 |

ACUPUNCTURE RELATED STUDIES..... 270

| | |
|-------------------------|----|
| Taijiquan 1..... | 27 |
| Taijiquan 2..... | 27 |
| Qi Gong 1..... | 27 |
| Qi Gong 2..... | 27 |
| Palpation/Massage..... | 54 |
| Oriental Massage 1..... | 54 |
| Oriental Massage 2..... | 54 |

TOTAL: OM theory, diagnosis, treatment and acupuncture related studies:..... 968

HERBAL MEDICINE SURVEY..... 126

| | |
|--|----|
| Botanical Medicine..... | 36 |
| Oriental Dietetics..... | 36 |
| Dispensary Management..... | 18 |
| Pharmacognosy & Pharmacology of Chinese Herbs..... | 18 |
| Ethical and ecological considerations of Chinese mat. med..... | 18 |

ASIAN/CHINESE HERBOLOGY:..... 360

| | |
|---|----|
| Chinese Herb Formulae for Pain..... | 36 |
| Chinese Herb Formulae for Common Ailments..... | 36 |
| Chinese Herbal Theories & Triple burner theories..... | 27 |
| Chinese Herbs for Exogenous disease patterns..... | 45 |
| Chinese Materia Medica..... | 36 |
| Chinese Formulae..... | 36 |
| Clinical Application of Herbs 1..... | 36 |
| Clinical Application of Herbs 2..... | 36 |
| Chinese Formulae Modifications 1..... | 36 |
| Chinese Formulae Modifications 2..... | 36 |

TOTAL: Herbal Medicine/Dietetics and related didactic studies:..... 486

WESTERN BASIC & BIOMEDICAL SCIENCES..... 612

| | |
|---------------------------|----|
| Anatomy 1..... | 72 |
| Anatomy 2..... | 72 |
| Physiology 1..... | 36 |
| Physiology 2..... | 36 |
| Pathology 1..... | 36 |
| Pathology 2..... | 54 |
| Clinical Diagnosis 1..... | 90 |
| Clinical Diagnosis 2..... | 90 |
| Lab Diagnosis..... | 36 |
| Public Health..... | 36 |
| Pharmacology..... | 18 |
| Western Nutrition..... | 36 |

COUNSELING, COMMUNICATIONS, ETHICS, PRACTICE MGT 121

| | |
|-------------------------------------|----|
| Medical Ethics..... | 18 |
| Psychological Assessment..... | 36 |
| Practice Management..... | 36 |
| Evidence-Informed Practices..... | 18 |
| Seminar 3 (1/2 total hours)..... | 13 |
| (also listed in Theory & Diagnosis) | |

CLINICAL EDUCATION..... 1190

| | |
|-------------------------------|-----|
| Preceptorship 1..... | 75 |
| Preceptorship 2..... | 75 |
| Clinical Education 1..... | 245 |
| Clinical Education 2..... | 215 |
| Clinical Education 3..... | 220 |
| Chinese Herbal Clinic 1..... | 130 |
| Chinese Herbal Clinic 2A..... | 65 |
| Chinese Herbal Clinic 2B..... | 65 |
| Chinese Herbal Clinic 3..... | 100 |

TOTAL PROGRAM..... 3377

Total: 149 credits/3377 hours (1190 clinical hours/2187 didactic hours)

Curriculum MS-CH

The Master of Science in Chinese Herbology degree program is two years in length (22 months) and is scheduled on a semester basis. The curriculum of this major consists of four (4) distinct areas:

1. HERBAL MEDICINE SURVEY:

The four (4) courses in herbal medicine and dietetics give the student a basic introduction to Chinese pharmacy and dispensary practices, common OTC North American botanicals, the ethical consideration of utilizing sparse resources, and TCM clinical diet therapies. Information in the western botanical and pharmacy classes provides clear information regarding indications, contraindications and drug-herb interactions. The ethical and ecological impacts of TCM materia medica on the health of the individual and the world are explored. In addition, the course in dietetics and nutrition help the student understand the role of nutrition in patients' health.

2. ASIAN/CHINESE HERBOLOGY:

The ten (10) courses in Chinese Herbology offer the student a thorough understanding of Chinese Materia Medica, Classical and Patent formulas and modifications, and the clinical application of Chinese herbs and formulae. The student becomes proficient in the theories pertinent to Chinese Herbal Medicine and the clinical applications of Chinese materia medica for a wide variety of clinical situations and patient populations. At the completion of the 10 course survey, students will have learned over 300 individual herbs and over 150 different classical and patent formulae.

3. RELATED AREAS:

The three (3) required courses in ethics, TCM diagnosis and evidence-informed clinical practices help practitioners better understand their patients, the evidence for TCM therapies, possible interactions and the ethics related to TCM clinical practice.

4. CLINICAL EDUCATION:

The four (4) Chinese Herbology clinical services are designed to allow the student to develop clinical, interpersonal communication and decision-making skills. From

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inception through the end of clinical training, the student has the opportunity to observe and work with advanced TCM practitioners. Clinical rotations are available in the UBAI on-campus clinic as well as in community outreach clinical sites. By the end of clinical training, each student will have seen a minimum of 200 patient visits and will have completed 360 hours in the herbology clinic).

CURRICULUM – MS-Chinese Herbology

SEMESTER 1:

| | | | | | |
|---------|--|---|---|-----|-----|
| AHM 613 | Oriental Dietetics | 2 | 0 | 36 | 2 |
| ACS 511 | Evidence Informed Practices | 1 | 0 | 18 | 1 |
| ACH 511 | Chinese Herb Formulae for Channel Obstructions | 2 | 0 | 36 | 2 |
| ACH 512 | Chinese Herb Formulae for Common Ailments | 2 | 0 | 36 | 2 |
| ACC 611 | Herb Clinic 1 | 0 | 4 | 130 | 2.5 |
| Total: | | 7 | 4 | 256 | 9.5 |

SEMESTER 2

| | | | | | |
|---------|--|-----|---|-----|-----|
| ATD 524 | Oriental Diagnosis 2 | 2 | 0 | 36 | 2 |
| ACH 523 | Chinese Herbal Theories & Triple burner theories | 1.5 | 0 | 27 | 1.5 |
| ACH 524 | Chinese Herbs for Exogenous disease patterns | 2.5 | 0 | 45 | 2.5 |
| AWB 621 | Medical Ethics | 1 | 0 | 18 | 1 |
| ACC 632 | Herb Clinic 2A | 0 | 2 | 65 | 1.5 |
| Total: | | 7 | 2 | 191 | 8.5 |

SUMMER SESSION

| | | | | | |
|---------|---|---|---|-----|---|
| ACH 635 | Clinical Application of Herbs 1 | 2 | 0 | 36 | 2 |
| ACH 636 | Chinese Formulae 1 | 2 | 0 | 36 | 2 |
| AHM 634 | Dispensary Management | 1 | 0 | 18 | 1 |
| AHM 635 | Pharmacognosy & Pharmacy of Chinese Herbs | 1 | 0 | 18 | 1 |
| Total: | | 6 | 0 | 108 | 6 |

SEMESTER 3

| | | | | | |
|---------|---|---|---|-----|-----|
| ACH 617 | Clinical Application of Herbs 2 | 2 | 0 | 36 | 2 |
| ACH 619 | Chinese Formulae 2 | 2 | 0 | 36 | 2 |
| AHM 616 | Ethical and ecological considerations of materia medica | 1 | 0 | 18 | 1 |
| ACC 723 | Chinese Herb Clinic 2B | 0 | 2 | 65 | 1.5 |
| ACC 724 | Chinese Herb Clinic 3 | 0 | 3 | 100 | 2 |
| Total: | | 5 | 5 | 255 | 8.5 |

SEMESTER 4

| | | | | | |
|---------|---------------------------------|---|---|----|---|
| ACH 628 | Clinical Application of Herbs 3 | 2 | 0 | 36 | 2 |
| ACH 641 | Chinese Formulae 3 | 2 | 0 | 36 | 2 |
| Total: | | 4 | 0 | 72 | 4 |

Total All Semesters: 882 hours/36.5 credits

ELECTIVES:

| | | | | | |
|---------|------------------------|---|---|----|---|
| ATD 511 | Oriental History/Phil. | 1 | 0 | 18 | 1 |
| AHM 521 | Botanical Medicine | 2 | 0 | 36 | 2 |
| ATD 711 | East-West Pathology | 2 | 0 | 36 | 2 |

CONTACT HOUR BY AREA:

| | |
|--|----|
| HERBAL MEDICINE SURVEY | 90 |
| Oriental Dietetics..... | 36 |
| Dispensary Management | 18 |
| Pharmacognosy/Pharmacology of Chinese Herbs..... | 18 |
| Ethical and ecological considerations of Chinese materia medica..... | 18 |

ASIAN/CHINESE HERBOLOGY:..... 360

| | |
|---|----|
| Chinese Herb Formulae for Channel Obstructions | 36 |
| Chinese Herb Formulae for Common Ailments..... | 36 |
| Chinese Herbal Theories & Triple burner theories..... | 27 |
| Chinese Herbs for Exogenous disease patterns..... | 45 |
| Clinical Application of Herbs 1..... | 36 |
| Chinese Formulae 1..... | 36 |
| Clinical Application of Herbs 2..... | 36 |
| Clinical Application of Herbs 3..... | 36 |
| Chinese Formulae 2..... | 36 |
| Chinese Formulae 3..... | 36 |

RELATED AREAS:..... 72

| | |
|----------------------------------|----|
| Evidence Informed Practices..... | 18 |
| Oriental Diagnosis 2..... | 36 |
| Medical Ethics..... | 18 |

CLINICAL EDUCATION:..... 360

| | |
|-------------------------------|-----|
| Chinese Herbal Clinic 1..... | 130 |
| Chinese Herbal Clinic 2A..... | 65 |
| Chinese Herbal Clinic 2B..... | 65 |
| Chinese Herbal Clinic 3..... | 100 |

TOTAL PROGRAM 882

COURSE IDENTIFICATION

Course identification is as follows:

| | |
|------|--|
| APT: | Acupuncture Practice and Techniques |
| ATD: | Asian Medicine Theory, Diagnosis and Application |
| AHM: | Herbal Medicine Theory |
| AWB: | Western Biomedicine |
| AMR: | Movement, Respiration and Bodywork Studies |
| ACS: | Clinical Services |
| ACH: | Chinese Herbal Therapies |
| ACC: | Chinese Herbal Clinic |

The course numbering for the system is as follows:

- 500 level – courses offered in year one
- 600 level – courses offered in year two

700 level – courses offered in year three or four

The second digit identifies the semester the course is given in that academic year. The third digit indicates the area.

E.g.: APT 524

APT: Acupuncture Practice and Techniques

5 – year one

2 – second semester

4 – fourth course in the area sequence

Grades

Grades earned by students are submitted to the Registrar utilizing the following designations. Grades earned are on a four (4) point scale with a grade of “A” or 4 quality points being the highest grade attained. Grades with quality points are:

GRADE QUALITY POINTS

| | |
|----|-----|
| A | 4.0 |
| B+ | 3.5 |
| B | 3.0 |
| C+ | 2.5 |
| C | 2.0 |
| D | 1.0 |
| F | 0.0 |

The cumulative quality point ratio (QPR) is determined by dividing the number of semester hours into the number of points earned. Transfer credits are not included in this computation.

Administrative Grades

In addition to the academic grades submitted by faculty, the following Administrative Grades are also utilized.

- I: The grade of Incomplete “I” is used by the faculty to indicate that a student has not completed all course requirements. A student will have one week from the first day of the next term to meet with the faculty and complete all course requirements unless other arrangements are made with either the faculty member or the program Director prior to the end of the term in which the course was taken. Upon completion of the course requirements the faculty will submit the earned grade. Failure by the student to meet with the faculty and complete

Acupuncture Institute

the requirements in one week from the first day of the next term will result in a grade of "I" being converted to a grade of "F".

Any student with a grade of "F" or "W" will be required to register for and re-take that course in its entirety when the course is regularly scheduled. Any student with a grade of "F" or "W" will not be able to register for courses for which that course is a prerequisite.

R: Students may repeat a course at any grade level below an "A". The first repeat will replace the first-time grade for the computation of the QPR.

TCR: This indicates transfer credit granted for equivalent work completed at another accredited institution.

W: Withdrawal grades are assigned on the following policy statements:

1. If the student officially withdraws from a course during the official change-of-registration period, that course does not appear on the student's transcript.
2. If a student officially withdraws from a course after the end of the change-of-registration period, but before the end of the official withdrawal period, a grade of "W" is assigned and that course remains on the student's transcript. Courses with a grade of "W" do not count toward the QPR and do not count towards "hours attempted."
3. The names of students who have officially withdrawn from a course and receive the grade of "W" are so listed on the class roster for the balance of the semester.
4. Any exceptions to the above, including late withdrawals, must be approved by the Director and the Provost before they become official and are recorded. Poor academic performance does not constitute a valid reason for late withdrawal.

Academic Policies

ATTENDANCE REQUIREMENTS:

Each student is expected to attend all lectures, laboratories and other activities associated with

the total completion of a given course.

A student who is absent from class in excess of ten percent of the total class hours may have his or her grade reduced for lack of participation as outlined in the course syllabus. A student absent in excess of twenty percent of the total class hours will receive a grade of "F."

Requirements for Graduation – MS-AC

In order to be eligible for graduation from the Acupuncture Institute program, candidates must meet the following criteria:

1. Have successfully completed a minimum of 34 months of resident study in an accredited institution. The last 2 semesters (34 credits) must have been in residence at the University of Bridgeport Master of Science in Acupuncture degree program.
2. Have successfully completed all requirements of the educational program and have achieved a 2.75 cumulative grade point average.
3. Have been recommended for graduation by the faculty and the administration.
4. Have satisfactorily met all financial obligations to the Acupuncture Institute degree program, the Office of Financial Aid, commencement exercises and other University of Bridgeport offices.
5. Have passed the Clinical Entrance Exam with a score of no less than 75%, the Clinical Exit Exam and all practical clinical examinations with a grade of 70% or better.

Graduation requirements MS-TCM:

1. Have successfully completed a minimum of 46 months of resident study in an accredited institution. The last 2 semesters (34 credits) must have been in residence at the University of Bridgeport Master of Science in Traditional Chinese Medicine degree program.
2. Complete all required coursework with a grade of "C" or better
3. Complete all clinical hours
4. Complete all clinical competencies
5. Successfully pass clinical exams, including the clinical entrance exam (pass

75%), all modules of the clinical exit exam (6 modules, 70% to pass for each section), clinical practical points exam, clinical practical needling exam, clinical practical formulations exam

6. Complete an exit interview
7. Recommendation from the clinic director
8. Recommendation from the program director
9. No student will graduate from the program who has not resolved all financial obligations with the University of Bridgeport

Graduation requirements MS-CH:

1. Complete all required coursework with a grade of "C" or better
2. Complete all clinical hours
3. Complete all clinical competencies
4. Successfully pass clinical exams, including the clinical entrance exam (pass 75%), all modules of the clinical exit exam (3 modules, 70% to pass for each section), pass the clinical practical formulations exam
5. Complete an exit interview
6. Recommendation from the program director
7. No student will graduate from the program who has not resolved all financial obligations with the University of Bridgeport

GOOD ACADEMIC STANDING

Good academic standing is achieved when a student is maintaining good grades, has met all financial responsibilities to the Acupuncture Institute degree program, and is not guilty of any breach of standards governing ethical and clinical conduct.

ACADEMIC PROBATION

Academic probation occurs when the student's cumulative grade point average falls below the required grade point average of 2.50 or if a student receives one grade of "F" or two or more grades of "D" during a single semester. A student who is on academic probation is not

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in good academic standing and is not eligible to carry a full academic course load.

ACADEMIC REMEDIATION

A student who is on Academic Probation will be placed in a program of Academic Remediation and will be required to meet with the Director of the Institute. Academic Remediation requires a student to carry a reduced academic load. Students will be permitted to convert grades of "D" or "F" only by retaking the course the next time it is offered by the Acupuncture Institute.

Successful completion of a program of academic remediation requires a student to pass each repeated course with a "C" or better and have earned a cumulative GPA (CGPA) of 2.75 or better.

A student who has not earned a CGPA of 2.75 or better upon one semester of remediation but has shown substantial improvement in his or her course work will be allowed one more semester of remediation in order to achieve the CGPA of 2.75. A student in a program of academic remediation may ask the Director for a written definition of a minimum CGPA, or range of CGPA, which would be deemed to be substantial improvement, and for a written calculation of the semester of remediation GPA which would be necessary to achieve in order to bring the student's CGPA into the range of substantial improvement. In such event the student shall countersign the written statement and deliver a copy of the signed document to the Director.

A student may not graduate with a grade of "D" on their transcript. Grades of "D" may not remain on the student's transcript for more than one year and must be remediated by repeating the course and receiving a grade of "C" or better. This is not a limitation for the instructor, but rather a requirement to pass each course so that students have the appropriate level of proficiency to pass the NCCAOM Board Exams and become licensed acupuncturists. A student may remediate a grade only by retaking the course before graduation. If the student does not pass the course with a "C" or better, the student will be on Academic Probation and will be required to speak with the Director of the Acupuncture Institute before registering for any new classes.

ACADEMIC DISMISSAL

A student who after one semester of remediation does not show substantial improvement in

his or her academic performance or after two semesters of academic remediation does not achieve a CGPA of 2.75 will be academically dismissed from the acupuncture program.

Academic dismissal may also occur if a student's CGPA falls below 2.50, or if the student receives one "F" or two grades of "D" in one semester on a second occasion. Upon completion of the first semester, any student not achieving at least a 2.50 GPA will be academically dismissed from the program.

DISMISSAL FROM THE ACUPUNCTURE INSTITUTE

Academic inadequacies are not the only reason for dismissal from the Master of Science in Acupuncture degree program. The following is a list of additional causes for dismissal:

1. Failure to meet generally accepted standards of ethical and professional conduct and clinical practice. Such dismissal is subject to review by a committee of peers, faculty and administration as established by the Director of the UBAI.
2. Pleading "Guilty" or "No Contest", or being found guilty of any crime involving moral turpitude; in the event of a pre-existing or new felony the Institute shall have the right to impose sanctions, including but not limited to dismissal, on a case by case basis.
3. Repeated violation of public policy, or demonstration of behavior that creates safety hazards and/or disrupts the order of the institution. Dismissal of this nature is subject to review by a committee of peers, faculty and administration as established by the Director of the Institute.
4. Failure to meet financial obligations or commitments to the University of Bridgeport Acupuncture Institute.

The Institute shall have the right to suspend any student from any or all privileges of a student in good standing during the pendency of any proceeding pursuant to the foregoing until such time as all University procedures are terminated.

WITHDRAWAL FROM THE PROGRAM

If a student withdraws or wishes to take a leave of absence from the University of Bridgeport Acupuncture Institute and is in good standing he or she is eligible for readmission. A student

who withdraws when not in good academic standing or, who leaves without officially withdrawing seriously jeopardizes his or her chances of future readmission or admission to other acupuncture Institutes.

If a student withdraws or takes a leave of absence with plans to reenter at a later date, he or she should make this clear at the time of withdrawal.

Please note: All requirements for the master's degree in Acupuncture (MS-AC) must be completed within five (5) years from the first matriculation to graduation. All requirements for the master's degree in Traditional Chinese Medicine (MS-TCM) must be completed within seven (7) calendar years from the first matriculation to graduation.

If a student withdraws one or more times from the program, the cumulative absences must not exceed two years.

Former University of Bridgeport Naturopathic and Chiropractic students who started acupuncture training as a combined-degree student during their professional training who then took a leave of absence or withdrew from the acupuncture institute must demonstrate competency through examination for all work completed prior to withdrawal from the program, with the exception of the basic science ("AWB"-designated) courses, upon readmission to the program. All such previously completed coursework will then be treated as transfer credit and the time frame for completion of the MS-Acup degree will be 4 years (48 months) from the date of re-entry into the UBAI program; and the time frame for completion of the MS-TCM degree will be 5 years (60 months) from the date of re-entry into the UBAI program.

If a student wishes to withdraw or take a leave of absence from the University of Bridgeport Acupuncture Institute, he or she must submit a letter to the Director stating the reason for withdrawal. The student must also complete all required paperwork from the Registrar's office. In addition, the student should also note if he/she plans to re-enter the program and the term (Fall/Spring year) of such re-matriculation.

READMISSION TO THE PROGRAM

To be considered for readmission to the program after withdrawal or leave of absence, write to the Assistant Director of the Institute requesting readmission and indicate the date

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of re-entry desired. It is important to do this well in advance of the proposed date of readmission.

Minimum Requirements for Admission MS-AC

Students applying to the Master of Science in Acupuncture degree program should submit a completed application, an application fee, and official transcripts for undergraduate course work to the Office of Acupuncture Admissions. Admission requirements for the acupuncture program include a bachelor's degree or its equivalent (such as 120 completed semester credits).

The following courses must be included: 6 hours/ semester credits of English skills, 3 hours/semester credits psychology, 3 hours/ semester credits of social science, 6 hours/ semester credits of biology and 6 hours semester credits of chemistry. Biology and chemistry courses must include a laboratory, must be passed with a grade of C or better, and must be a course offered for science majors. Pre-professional education acquired must have been completed with a minimum Quality Point Ratio of 2.50 on the 4.00 scale.

All science prerequisites (biology and chemistry) must:

1. Be suitable for students majoring in the sciences
2. Have a related laboratory
3. Be passed with a grade of "C" (2.50 on a 4.00 scale) or better

Applicants must understand that possession of minimum requirements does not constitute a guarantee of acceptance.

The University of Bridgeport does not discriminate on the basis of sex, age, color, creed, ethnic origin or handicap in the administration of its education programs or on admission.

Minimum Requirements for Admission MS-TCM

Students applying to the Master of Science in Traditional Chinese Medicine degree program should submit a completed application, an application fee, and official transcripts for undergraduate course work to the Office of Acupuncture Admissions. Admission requirements for the MS-TCM program include a bachelor's

degree or its equivalent (such as 120 completed semester credits). The following courses must be included: 6 hours of English skills, 3 hours psychology, 3 hours of social science, 6 hours of biology and 6 hours of chemistry. Biology and chemistry courses must include a laboratory, must be passed with a grade of C or better, and must be a course offered for science majors. A minimum grade point average of 2.25 is required in the science prerequisites.

Minimum Requirements for Admission MS-CH

Admission requirements for the MS-CH program include a bachelor's degree or its equivalent (such as 120 completed semester credits). In addition, all applicants must be currently licensed or registered healthcare professionals whose scope of practice includes the use of Chinese herbs and formulae. There are also a number of bioscience and TCM prerequisites for this program:

All those seeking the MS-CH must be health care professionals for whom Chinese materia medica and formulae are part of their currently licensed/registered scope of practice.

Prerequisites - Biomedicine

- Human Anatomy – 4 semester credits
- Human Physiology – 4 semester credits
- Pharmacology – 1 semester credit
- Clinical Diagnosis (human) – 4 semester credits
- Pathology (human) – 4 semester credits

Prerequisites - TCM

- Oriental Medical Theory - 36 hours, 2 semester credits
- Oriental Diagnosis 1 (TCM substances, 5-elements and zang-fu) – 36 hours, 2 semester credits
- Meridian Theory/Meridian Diagnosis - 36 hours, 2 semester credits

Application Procedures

Application for admission must include:

1. A properly completed Application for Admission form

2. A NON-REFUNDABLE application fee of \$50.00
3. Official transcripts of all college records
4. Two letters of recommendation

International Applicants

International applicants must complete an Application for International Students as well as an Application to the Master of Science in Acupuncture degree program. Applicants who have completed their undergraduate pre-professional study in any foreign country must submit official copies of the records of such study as well as certified translations. These records must be evaluated by an appropriate professional agency. Any fees charged by such an agency are the responsibility of the student. Following submission of these documents the Master of Science in Acupuncture degree program, the Director of Health Sciences Admissions will make contact with the prospective student.

All applicants whose native language is not English (including US citizens) must demonstrate proficiency in English at a level appropriate for advanced scientific study. At a minimum, proficiency can be demonstrated in one of the ways listed below:

1. A score of 550 or better on the paper version of the Test of English as a Foreign Language (TOEFL) or a score of 90 on the internet version of the TOEFL test, and at least the currently reported mean score on the Test of Spoken English (TSE). Information on the TOEFL/TSE can be obtained from TOEFL, P.O. Box 6151, Princeton, NJ 08541-6151, USA. (Or <http://www.ets.org>)
2. Or successfully graduate from the University of Bridgeport ELI program.

Application Deadlines

Applications must be received prior to July 1. Applications will be accepted each year until the class has been filled.

Notification of Acceptance

Applicants will be notified in writing of the decision of the Admissions Committee as soon as a decision is made.

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Transfer Credit Policy

Students may apply to have some of the training required by the Acupuncture Institute for graduation transferred from another acupuncture degree-granting program, or an accredited school of post-graduate medical training. Transfer credit will be assessed by the Institute Director and is only awarded for courses similar in content and length, and with instructors similarly qualified as those given by the Acupuncture Institute. Students requesting transfer credit must provide an official course transcript, a school catalog and, if requested, a course syllabus for any course for which transfer credit is requested. Documentation of the transfer of credit awarded, and the institution from which transfer credit was awarded are kept in the student files. No less than 20 clinical credits and 14 didactic class credits must be completed at the Acupuncture Institute for the student to be eligible for graduation and the granting of the MS-Acupuncture and MS-Traditional Chinese Medicine degrees. All students, including transfer students, must complete the Clinical Entrance Exam with a score of no less than 75%, the Clinical Exit Exam and all practical clinical examinations with a grade of 70% or better to be eligible for graduation.

An applicant's credits from another Institute may be considered for transfer only under the following conditions:

1. The applicant must meet current prerequisites in force at the University of Bridgeport Acupuncture Institute at the time the student originally enrolled at the health profession institution from which the transfer is being made, regardless of having been accepted to the institution from which they are transferring. In many cases, University of Bridgeport Acupuncture Institute's requirements are higher than those for other acupuncture related professional schools.
2. Be courses for a student majoring in the medical sciences, acupuncture or oriental medicine
3. The institution from which the student is transferring must be acceptable to the Admissions Committee of the University of Bridgeport Acupuncture Institute, such as another acupuncture degree-granting program, or an accredited school of post-graduate medical training.
4. The credits being transferred must be equivalent in credit hours content and quality to that of the University of Bridgeport Acupuncture Institute. If the University of Bridgeport Acupuncture Institute course contains a laboratory so must the course being considered for transfer. In order to verify equivalence, students may be required to provide a course description or course syllabus for comparison.
5. Only credits with a grade of "C" (2.00 on a 4.00 scale) or better are considered for transfer. Transfer credit is credit only; the transferred grade will not affect the QPR.
6. In order to obtain transfer credit the student must have graduated or have been granted an honorable withdrawal from the professional or graduate school attended.
7. To receive transfer credit for any courses taken 3 or more years prior to entering the University of Bridgeport Acupuncture Institute, and for any course completed during an apprenticeship or other non-traditional or non-accredited learning environment, the student must demonstrate competency through examination. The passing grade for such exams is 75%.
8. Credits used to satisfy the minimum prerequisites for admission must not be used for advanced placement credit.
9. All international transcripts and course descriptions must be evaluated by an approved foreign credential evaluation service.

Advanced Standing

Students who are accepted as transfer students may receive advanced standing if a substantial number of semester hours have been accepted by University of Bridgeport Acupuncture Institute. This may enable the student to complete either the MS-ACUP program in less than six semesters, or the MS-TCM degree in less than eight semesters. Transfer credit may be granted either with or without advanced standing. If advanced standing is granted:

No more than 84 credits may transfer from another institution of acupuncture or oriental medicine for the MS-ACUP degree. No more than 110 credits may transfer from another institution of acupuncture or oriental medicine

for the MS-TCM degree. No less than 20 clinical credits and 14 didactic class credits must be completed at the Acupuncture Institute for a student to be eligible for graduation and the granting of the MS-Acupuncture or MS-TCM degree. All students, including transfer students, must complete the Clinical Entrance Exam with a score of no less than 75%, the Clinical Exit Exam and all practical clinical examinations with a grade of 70% or better to be eligible for graduation.

Advanced standing in the Acupuncture Institute requires evaluation of official transcripts and course descriptions from the institution of higher learning where the student received his or her training as described in Transfer Credit above. Foreign students must have their transcripts evaluated by a foreign transcript evaluating services, such as World Educational Services (WES). A special curriculum schedule will be made up for the student based on semester hours transferred and course availability.

Tuition will be calculated based on the number of credits being taken per semester multiplied by the single credit fee at the time of the student's attendance. If the total number of credits exceeds 13 in any one semester, the student will be responsible for paying the full time tuition rate.

If advanced standing is not granted, but some semester hours are transferable, the student will be admitted to the first semester and will be exempt from courses for which transfer credit was granted.

Former University of Bridgeport students in the other graduate-level health sciences programs who started acupuncture training as a combined-degree student during their professional training who then took a leave-of absence or withdrew from the Acupuncture Institute must demonstrate competency through examination for all work completed prior to withdrawal from the program, with the exception of the basic science ("AWB"-designated) courses, upon readmission to the program. All such previously completed coursework will then be treated as transfer credit and the time frame for completion of the MS-Acupuncture degree program will be four (4) years (48 months) from the date of re-entry into the UBAI program; and the time frame for completion of the MS-Traditional Chinese Medicine degree program will be five (5) years (60 months) from the date of re-entry into the UBAI program

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Evaluation of advanced standing is completed by the Director of the Acupuncture Institute. Upon request, a letter is sent to the student, with a copy available in the student file, of all coursework which is acceptable for transfer credit. The transfer credit grades will not appear on official transcripts from the University of Bridgeport and the grades from those classes will not affect a student's GPA.

Course prerequisites must be completed by all students, including those taking courses as auditors, before admission to a course will be granted. Exceptions may be made by permission of the Director under the following special circumstances:

1. A student has skills equivalent to completion of the pre-requisites from non-traditional training or experience (i.e.: in an apprenticeship). Students may request a waiver from completing the pre-requisites before taking more advanced courses. Students will have to complete all such courses or demonstrate competency through examination before graduation from the Acupuncture Institute.
2. A University of Bridgeport Health Sciences graduate student requires special skills for an outreach clinic setting (e.g.: clean needle technique and auricular acupuncture for NADA-style detox treatments).

Transfer of Credit for Foreign Health Profession Institutions

To be eligible for transfer of credits, applicants from foreign acupuncture, medical, chiropractic, osteopathic or dental institutions located in countries that do not have an accreditation system equivalent to those of the United States, must submit evidence of proficiency in all work submitted for advance standing credit. Credits from foreign Institutes and universities must have transcript evaluation performed by a reputable transcript evaluation service.

To receive advanced-standing for courses taken 3 or more years prior to entering the University of Bridgeport Acupuncture Institute, and for any course completed during an apprenticeship or other non-traditional or non-accredited learning environment, the student must demonstrate competency through examination. The passing grade for such exams is 75%.

College of Chiropractic

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Muhs, Onorato, Perle, Perrault, Santhanam,
Saporito, Sawitzke, Shelton, Sherman,
Synkowicz, Terry, Zolli

Chiropractic is the philosophy, art, and science which concerns itself with the relationship between structure and function of the human body, as that relationship may affect the restoration and preservation of health. The College of Chiropractic prepares students to be primary health care providers. Each student is educated to diagnose, to care for the human body, to understand and relate fundamental scientific information, and to consult with, or refer to other health care providers.

The University of Bridgeport College of Chiropractic is a non-profit, coeducational professional institution which grants the Doctor of Chiropractic (D.C.) degree to graduates who successfully complete four academic years of study including a clinical internship. The program is offered on a full-time basis with no students admitted to a part-time course of study. There are no correspondence courses offered.

All requirements for the D.C. degree must be completed with-in seven years from the dated of matriculation.

Degree

Doctor of Chiropractic (D.C.)

Accreditation & Membership

"The doctor of chiropractic degree program of the University of Bridgeport College of Chiropractic is accredited by the Commission on Accreditation of the Council on Chiropractic Education, 8049 N. 85th Way, Scottsdale, AZ 85258, 480-443-8877. The College of Chiropractic is also a member of the Association of Chiropractic Colleges.

Mission Statement

Provide a comprehensive, full-time education that prepares qualified candidates to become doctors of chiropractic.

Present a clinically relevant and integrated curriculum that is evidenced-influenced in regard to basic sciences, chiropractic principles and related health sciences.

To adhere to a curriculum that emphasizes:

- The body is an integrated unit;
- The body has intrinsic self-regulating and healing mechanisms;
- Structure and function are interrelated;
- The neuromusculoskeletal system can affect the functioning of other body systems and, in turn, can be affected by these systems.

Produce graduates who will be competent to practice as portal of entry chiropractic physicians, providing diagnostic services, health services, humanistic care and conservative methods of therapeutics to assist patients in achieving health and wellness.

Advance chiropractic and its knowledge base through scholarship and research.

Provide opportunities for faculty, students and staff to engage in activities which service the needs of the chiropractic profession and the public.

Provide for continuous improvement and quality of our programs through assessment, and by fostering an atmosphere of knowledge, growth and open discussions.

Curriculum

A Doctor of Chiropractic is a physician

whose purpose is to meet the health needs of the public as a member of the healing arts. He/she gives particular attention to the relationship of structural and neurological aspects of the body and is educated in the basic and clinical sciences as well as in related health subjects. Chiropractic science concerns itself with the relationship between structure (primarily the spine), and function (primarily coordinated by the nervous system) of the human body as that relationship may affect the restoration and preservation of health..

"The DCP of the University of Bridgeport incorporates the understanding of chiropractic as a profession practicing primary health care, provides curricular and clinical evidence of that through outcome measures, and consists of education and training to prepare graduates to:

- A. Practice direct contact health care as a portal-of-entry provider for patients of all ages and genders;
- B. Assess the patient's general health status, complaints and problems leading to a diagnosis. Specific elements of patient assessment minimally include complete health history; review of systems; physical, biomechanical and neurological examination; the analysis of vertebral and extra-vertebral subluxation; and, when clinically indicated, diagnostic imaging, clinical laboratory, and/or specialized diagnostic procedures;
- C. Develop a goal-oriented case management plan that addresses any subluxations or other neurobiomechanical problems, and that may include rehabilitation and/or other therapeutic modalities;
- D. Develop appropriate doctor/patient relationships with continuity in the chiropractic management of health problems, and coordination of care with other health-care providers; and
- E. Promote wellness by assessing health risk and providing problem-related, general and public health information, and lifestyle counseling.

The purpose of chiropractic professional education is to provide the student with a core of knowledge in the basic and clinical sciences and related health subjects sufficient

College of Chiropractic

to perform the professional obligations of a doctor of chiropractic.

A doctor of chiropractic is a primary care physician whose purpose as a practitioner of the healing arts, is to help meet the health needs of individual patients and of the public, giving particular attention to the structural and neurological aspects of the body.

The application of science in chiropractic concerns itself with the relationship between structure, primarily the spine, and function, primarily coordinated by the nervous system of the human body, as that relationship may affect the restoration and preservation of health.

Further, this application of science in chiropractic focuses on the inherent ability of the body to heal without the use of drugs or surgery.

As a gatekeeper for direct access to the health delivery system, the doctor of chiropractic's responsibilities as a primary care physician include wellness promotion, health promotion, health assessment, diagnosis and the chiropractic management of the patient's health care needs. When indicated, the doctor of chiropractic consults with, co-manages, or refers to other health care providers." (From the Council on Chiropractic Education Standards for Doctor of Chiropractic Programs, January 2007)

It is the purpose of the University of Bridgeport College of Chiropractic program to offer as a minimum those courses and objectives as suggested in the CCE standards. It is also the purpose of the UBCC program to offer a broad-based educational experience. In many cases, the educational program presented will go beyond the course offerings suggested by CCE and will also go beyond individual state laws and scope of practice.

The University of Bridgeport College of Chiropractic curriculum is divided into three phases: Basic Sciences, Clinical Sciences, and Clinical Services.

Basic Sciences

The basic Science curriculum instructs students in Anatomy, Physiology, Biochemistry, Microbiology, Public Health, and Pathology. These courses are offered primarily during the first two years of a student's education.

It is the purpose of this aspect of the program for students to develop an understanding of both normal and abnormal structure and function, homeostatic mechanisms, and to gain a foundation upon which the clinical sciences will be built.

Clinical Sciences

Students from their first semester onward are instructed in the Clinical Sciences. Course offerings include: Chiropractic History, Chiropractic Principles and Practice, Diagnosis, Radiology, Technique Procedures, Nutrition, and Physiological Therapeutics and Rehabilitation Procedures. Students are given in-depth training in the diagnosis and treatment of patients. Practical hands-on training is included beginning in Semester I and continuing to graduation. Information from the basic science curriculum is integrated into the clinical science course offerings and is a foundation upon which the clinical science courses build. Many of the clinical science courses have as a prerequisite successful completion of the basic science courses.

Clinical Services

The Clinical Services phase of the curriculum is the last and most important aspect of the UBCC program. Interns at the College's Chiropractic Health Center care for patients under the supervision and direction of licensed doctors of chiropractic. To be eligible for this part of the curriculum, students must be in good academic standing, successfully completed all courses in Semesters I thru V, and successfully completed the clinic services entrance examination. During the Clinical Services portion of the program students will continue to receive training in the clinical sciences. They will also continue to be evaluated during their internship in order to remain eligible for clinical services. To continue in Clinical Services, students must remain in good academic standing. Towards the completion of the Clinical Services program students will be administered a clinical competency examination which must be successfully completed prior to graduation.

Because each course is integrated with other course offerings, students should be aware of the prerequisite and corequisite requirements. Throughout the curriculum every effort is made to insure the relevance of

information to chiropractic principles and practice. The following is a breakdown, by subject, of the time devoted to each area of study within the curriculum.

Licensure Requirements and Career Opportunities

LICENSURE REQUIREMENTS

The Doctor of Chiropractic degree program offered by the University of Bridgeport College of Chiropractic is accredited by the Council on Chiropractic Education. As indicated in a previous section, the college meets or exceeds the minimum educational requirements suggested by the CCE. Students who receive the Doctor of Chiropractic degree from UBCC are eligible for licensure in all states, Washington, D.C., Puerto Rico, the Canadian Provinces and other foreign countries as regulated by local laws and regulations without restrictions. Licensure in many states require students to complete Parts I, II, III, and Physiotherapy examination as offered by the National Board of Chiropractic Examiners (NBCE). Additionally, states also require that students pass the Part IV Practical Examination offered by the NBCE. Students should contact the NBCE or the Federation of Chiropractic Licensing Boards (FCLB) for additional information pertaining to licensure where they wish to practice. The College maintains a directory published by FCLB in the library as well as within various offices located in the College of Chiropractic. The directory contains information pertaining to licensure and to scope of practice within each state.

CAREER OPPORTUNITIES

Approximately ninety (90%) percent of the students who have entered the UBCC have completed the requirements for graduation as outlined in this catalog. Most graduates of UBCC go directly into a private practice of their own. Other graduates work as an associate with an experienced doctor or they may rent space within an existing practice.

COMPLAINT PROCEDURES

Any complaint regarding the Doctor of Chiropractic Program and its compliance with the CCE Standards may be addressed to the

College of Chiropractic

following:

The Council on Chiropractic Education
8049 N. 85th Way
Scottsdale, AZ 85258-4321
Telephone: (480) 443-8877
Fax: (480) 483-7333
Website: www.cce-usa.org

| | | | | | |
|---------|---|----|----|-----|------|
| TE 522 | Chiropractic Examination Skills II: Palpation and Biomechanics of the Extremities | 2 | 0 | 36 | 2 |
| TE 522L | Chiropractic Examination Skills II: Palpation and Biomechanics of the Extremities Lab | 0 | 3 | 54 | 1.5 |
| | | 19 | 11 | 540 | 24.5 |

| | | | | | |
|---------|---|----|----|-----|------|
| TE 625 | Technique Procedures III: Soft Tissue | 2 | 0 | 36 | 2 |
| TE 625L | Technique Procedures III: Soft Tissue Lab | 0 | 2 | 36 | 1 |
| CN 621 | Clinical Nutrition I: Pathology and Assessment | 1 | 0 | 18 | 1 |
| PP 624 | Principles and Practice IV: Evidence-Based Practice | 2 | 0 | 36 | 2 |
| | | 20 | 13 | 594 | 26.5 |

Semester Based Curriculum

(18 WEEK PROGRAM PER SEMESTER)

NUMBER COURSE LECT. LAB SEM CR.

YEAR ONE

SEMESTER ONE

| | | | | | |
|---------|---|----|---|-----|------|
| AN 511 | Cell and Tissue Microscopic Anatomy and Physiology | 3 | 0 | 54 | 3 |
| AN 512 | Functional Anatomy and Biomechanics I: Spinal Anatomy | 3 | 3 | 108 | 4.5 |
| PP 511 | Principles and Practice I: Chiropractic History and Philosophy | 2 | 0 | 36 | 2 |
| BC 511 | Biochemistry, Metabolism, and Nutrition | 2 | 0 | 36 | 2 |
| PP 512 | Principles and Practice II: Introduction to Evidence Based Practice | 2 | 0 | 36 | 2 |
| AN 513 | General Anatomy I: Viscera | 3 | 3 | 108 | 4.5 |
| TE 511 | Chiropractic Examination Skills I: Palpation and Biomechanics of the Spine and Pelvis | 2 | 0 | 36 | 2 |
| TE 511L | Chiropractic Examination Skills I: Palpation and Biomechanics of the Spine and Pelvis Lab | 0 | 3 | 54 | 1.5 |
| AN 514 | Clinical Embryology I | 1 | 0 | 18 | 1 |
| | | 18 | 9 | 486 | 22.5 |

SEMESTER TWO

| | | | | | |
|--------|--|---|---|-----|-----|
| DI 521 | Diagnostic Imaging I: Normal Anatomy | 2 | 2 | 72 | 3 |
| PH 521 | Organ System Microscopic Anatomy and Physiology I | 2 | 0 | 36 | 2 |
| NS 521 | Neuroscience I | 3 | 0 | 54 | 3 |
| PP 523 | Principles and Practice III: Contemporary Chiropractic Studies | 2 | 0 | 36 | 2 |
| AN 525 | General Anatomy II: Head and Neck | 3 | 3 | 108 | 4.5 |
| AN 526 | Functional Anatomy II: Extremities | 3 | 3 | 108 | 4.5 |
| MB 521 | Clinical Microbiology I: Introduction to Infectious Diseases | 2 | 0 | 36 | 2 |

YEAR TWO

SEMESTER THREE

| | | | | | |
|---------|--|----|----|-----|------|
| NS 612 | Neurosciences II | 3 | 0 | 54 | 3 |
| PA 611 | Fundamentals of Pathology | 2 | 1 | 54 | 2.5 |
| PH 612 | Organ System Microscopic Anatomy and Physiology II | 4 | 2 | 108 | 5 |
| MB 612 | Clinical Microbiology II: Infectious Diseases | 2 | 0 | 36 | 2 |
| TE 613 | Technique Procedures I: Introduction to Full Spine Technique | 1 | 0 | 18 | 1 |
| TE 613L | Technique Procedures I: Introduction to Full Spine Technique Lab | 0 | 3 | 54 | 1.5 |
| DX 612 | Diagnostic Skills II: Orthopedic and Neurology | 2 | 0 | 36 | 2 |
| DX 612L | Diagnostic Skills II: Orthopedic and Neurology Lab | 0 | 4 | 72 | 2 |
| DX 611 | Diagnostic Skills I: Physical Examination | 2 | 0 | 36 | 2 |
| DX 611L | Diagnostic Skills I: Physical Examination Lab | 0 | 3 | 54 | 1.5 |
| DI 612 | Diagnostic Imaging II: Normal Anatomy | 1 | 2 | 54 | 2 |
| BC 612 | Biochemistry, Metabolism and Nutrition II | 2 | 0 | 36 | 2 |
| | | 19 | 15 | 612 | 26.5 |

SEMESTER FOUR

| | | | | | |
|---------|--|---|---|----|-----|
| PA 622 | Systems Pathology | 4 | 1 | 90 | 4.5 |
| TE 624 | Technique Procedures II: Intermediate Full Spine and Upper Extremity Technique | 2 | 0 | 36 | 2 |
| TE 624L | Technique Procedures II: Intermediate Full Spine and Upper Extremity Technique Lab | 0 | 4 | 72 | 2 |
| DI 623 | Diagnostic Imaging III: Bone Pathology | 2 | 2 | 72 | 3 |
| DX 624 | Laboratory Diagnosis | 3 | 0 | 54 | 3 |
| MB 623 | Public Health I: Intro to Public Health and Epidemiology | 2 | 0 | 36 | 2 |
| DX 623 | Diagnostic Skills III: Orthopedic and Neurology | 2 | 0 | 36 | 2 |
| DX 623L | Diagnostic Skills III: Orthopedic and Neurology Lab | 0 | 4 | 72 | 2 |

YEAR THREE

SEMESTER FIVE

| | | | | | |
|---------|--|----|-----|-----|----|
| TE 716 | Technique Procedures IV: Intermediate Full Spine and Lower Extremity Technique | 2 | 0 | 36 | 2 |
| TE 716L | Technique Procedures IV: Intermediate Full Spine and Lower Extremity Technique Lab | 0 | 4 | 72 | 2 |
| DI 714 | Diagnostic Imaging IV: Arthritis and Trauma | 2 | 2 | 72 | 3 |
| PT 711 | Physiological Therapeutics I Modalities | 1 | 0 | 18 | 1 |
| PT 711L | Physiological Therapeutics I Modalities Lab | 0 | 2 | 36 | 1 |
| DD 711 | Differential Diagnosis I: Internal Disorders | 5 | 0 | 90 | 5 |
| DD711L | Differential Diagnosis I: Internal Disorders Lab | 0 | 2 | 36 | 1 |
| CN 712 | Clinical Nutrition: Treatment and Management | 2 | 0 | 36 | 2 |
| PH 713 | Toxicology & Pharmacology | 2 | 0 | 36 | 2 |
| TE 717L | Technique Procedures V: Soft Tissue II | 0 | 2 | 36 | 1 |
| ER 711 | Emergency Procedures | 1 | 2 | 54 | 2 |
| RS 711 | Evidence Based Practice I | 0 | 0 | 0 | 1 |
| PS 711 | Clinical Psychology | 2 | 0 | 36 | 2 |
| PP 715 | Principles and Practice V: Ethics | 1 | 0 | 18 | 1 |
| | | 18 | 145 | 768 | 26 |

SEMESTER SIX

| | | | | | |
|---------|--|---|---|----|---|
| DI 725 | Diagnostic Imaging V: Chest and Abdomen | 1 | 2 | 54 | 2 |
| TE 728 | Technique Procedures VI: Advanced Chiropractic Technique I | 2 | 0 | 36 | 2 |
| TE 728L | Technique Procedures VI: Advanced Chiropractic Technique I Lab | 0 | 3 | 54 | 2 |
| DI 726 | Diagnostic Imaging VI: Positioning and Physics | 2 | 2 | 72 | 3 |
| DD 722 | Differential Diagnosis II: Neuromusculoskeletal | 4 | 0 | 72 | 4 |

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| | | | | | |
|---------|--|----|----|-----|----|
| PT 722 | Physiological Therapeutics II: Rehabilitation | 2 | 0 | 36 | 2 |
| PT 722L | Physiological Therapeutics II: Rehabilitation Lab | 0 | 2 | 36 | 1 |
| DX 725 | Special Populations | 3 | 0 | 54 | 3 |
| CS 721 | Clinical Science I | 2 | 4 | 108 | 4 |
| MB 724 | Public Health II: Community Health and Wellness | 2 | 0 | 36 | 2 |
| BP 721 | Documentation and Insurance Protocols: Billing and Coding | 1 | 0 | 18 | 1 |
| BP 722 | Business Procedures | 1 | 0 | 18 | 1 |
| RS 722 | Evidence Based Practice II | 0 | 0 | 0 | 1 |
| | | 20 | 14 | 612 | 28 |

YEAR FOUR

SEMESTER SEVEN

| | | | | | |
|--------|---|-----|----|-----|------|
| CS 812 | Clinical Services II | 0 | 25 | 450 | 12.5 |
| DI 827 | Diagnostic Imaging VII: X-Ray Review | 2 | 0 | 36 | 2 |
| TE 819 | Technique Procedures VII: Advanced Chiropractic Technique II | 1.5 | 3 | 81 | 3 |
| BP 813 | Starting a Chiropractic Practice and Office Management | 1 | 0 | 18 | 1 |
| RS 813 | Evidence Based Practice III: Clinical Case Studies | 0 | 0 | 0 | 1 |
| | | 4.5 | 28 | 585 | 19.5 |

SEMESTER EIGHT

| | | | | | |
|--------|--|---|----|-----|------|
| CS 823 | Clinical Services III | 0 | 25 | 450 | 12.5 |
| RS 824 | Evidence Based Practice IV: Completion and Submission | 0 | 0 | 0 | 1.5 |
| | | 0 | 25 | 450 | 14 |
| CS 824 | Clinical Services IV(Six weeks) Summer Session | 0 | 0 | 150 | 4 |

Curriculum Breakdown by Area and Hours

Basic Sciences 1152

| | |
|------------------------------------|-----|
| Anatomy | 504 |
| Cellular Anatomy and Physiology | 54 |
| Functional Anatomy I; Spine | 108 |
| General Anatomy I: Visceral | 108 |
| General Anatomy II: Head & Neck | 108 |
| Functional Anatomy II: Extremities | 108 |
| Clinical Embryology | 18 |
| Physiology | 180 |
| Organ Systems Physiology I & II | 144 |
| Toxicology Pharmacology | 36 |

| | |
|--|-----|
| Biochemistry | 72 |
| Neurosciences | 108 |
| Neuroscience I | 54 |
| Neuroscience II | 54 |
| Pathology | 144 |
| Fundamentals of Pathology | 54 |
| Systems Pathology | 90 |
| Microbiology/Public Health | 144 |
| Clinical Microbiology/Infectious Diseases I, II | 72 |
| Public Health and Wellness | 72 |

Clinical Sciences 2268

| | |
|--|-----|
| Principles, Practice and Philosophy | 144 |
| Chiropractic History | 36 |
| Evidence Based Chiropractic | 36 |
| Contemporary Chiropractic | 36 |
| Research | 36 |
| Radiology | 432 |
| Imaging I | 72 |
| Imaging II | 54 |
| Bone Pathology | 72 |
| Arthritis | 72 |
| Chest | 54 |
| Positioning and Physics | 72 |
| X-Ray Review | 36 |
| Research | 0 |
| Thesis I, II, III, IV | 0 |
| Physiological Therapeutics | 126 |
| Physiological Therapeutics I | 54 |
| Physiological Therapeutics II: Rehabilitation | 72 |
| Differential Diagnosis | 216 |
| Differential Diagnosis I: Internal Disorders | 108 |
| Differential Diagnosis II: NMS | 72 |
| Psychology | 36 |
| Chiropractic Skills and Technique | 756 |
| Technique Skills I: Spine | 90 |
| Technique Skills II: Extremities | 72 |
| Technique Procedures I | 72 |
| Technique Procedures II | 108 |
| Technique Procedures III | 72 |
| Technique Procedures IV | 108 |
| Technique Procedures V | 36 |

| | |
|--------------------------|-----|
| Technique Procedures VI | 90 |
| Technique Procedures VII | 108 |
| Diagnosis | 414 |
| Skills I; Physical Exam | 90 |
| Skills II: Orthopedics | 108 |
| Skills III: Neurology | 108 |
| Laboratory Diagnosis | 54 |
| Special Populations | 54 |
| Nutrition | 54 |
| Nutritional Pathology | 18 |
| Clinical Nutrition | 36 |
| Emergency Procedures | 54 |
| Business Procedures | 72 |

Clinical Services 1158

| | |
|--------------------------|-----|
| Clinic I: Student Clinic | 108 |
| Clinic II | 450 |
| Clinic III | 450 |
| Clinic IV | 150 |

Basic Sciences 1152

Clinical Sciences 2268

Clinical Services 1158

Total Hours 4578

Course identification for the semester curriculum is as follows:

BASIC SCIENCES

| | |
|------------------------------------|---------------------------------|
| AN Anatomy | BC Biochemistry |
| MB Microbiology & Public Health | NS Neuroscience PA Pathology |
| PH Physiology | |

CLINICAL SCIENCES

| | |
|-------------------------|-------------------------------|
| BP Business Procedures | CH Chiropractic Exam Skills |
| CN Clinical Nutrition | DD Differential Diagnosis |
| DI Diagnostic Imaging | DX Clinical Diagnosis |
| RS Emergency Procedures | PP Principles and Practice |
| PS Clinical Psychology | PT Physiological Therapeutics |
| RS Research Skills | TE Technique Procedures |

CLINICAL SERVICES

CS Clinical Services

The course numbering system is as follows:

- 500 level - courses offered in year one
- 600 level - courses offered in year two
- 700 level - courses offered in year three

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800 level - courses offered in year four

The next digit identifies the semester the course is given in that academic year. The third digit indicates the sequence within that discipline.

e.g. AN 511

AN - Anatomy

5- year one

1- semester one

1 - first course in discipline sequence

Grades earned by students are submitted to the Registrar utilizing the following designations. Grades earned are on a four (4) point scale with an "A" or 4 quality points being the highest grade attained. Grades with quality points are:

GRADE QUALITY POINTS

| | | | |
|----|-----|---|-----|
| A | 4.0 | C | 2.0 |
| B+ | 3.5 | D | 0.0 |
| B | 3.0 | F | 0.0 |
| C+ | 2.5 | | |

The cumulative quality point ratio (QPR) is determined by dividing the number of semester hours into the number of points earned. A grade of "D" is not an acceptable passing grade. Transfer credits are not included in this computation.

In addition to the Academic Grades submitted by faculty, the following Administrative Grades are also utilized.

Administrative Grades

I The grade of Incomplete "I", is used by the faculty to indicate that a student has not completed all course requirements. A student will have one week from the last day of the term to meet with the faculty and complete all course requirements. Upon completion of the course requirements the faculty will submit the earned grade. Failure by the student to meet with the faculty and complete the requirements in one week from the last day of the term will result in the grade of "I" being converted to a grade of "F."

Any student with a grade of "F" or "W" will be required to register and retake that course in its entirety when

the course is regularly scheduled. Any student with a grade of "F" or "W" will not be eligible to register for courses for which that course is a prerequisite.

R Students may repeat a course at any grade level below "A". The first repeat will replace the first-time grade for the computation of the QPR.

TCR This indicates transfer credit granted for equivalent work completed at another accredited institution.

W Withdrawal grades are assigned based on the following policy statements:

1. If the student officially withdraws from a course during the official change-of-registration period, that course does not appear on the student's transcript.
2. If a student officially withdraws from a course after the end of the change-of-registration period, but before the end of the official withdrawal period, a grade of "W" is assigned and that course remains on the student's transcript. Courses with a grade of "W" do not count toward the QPR and do not count toward "hours attempted."
3. The names of students who have officially withdrawn from a course and receive the grade of "W" are so listed on the class roster for the balance of the semester.
4. Any exceptions to the above, including late withdrawals, must be approved by the Dean and the Provost before they become official and are recorded. Poor academic performance does not constitute a valid reason for late withdrawal.

Academic policies used to manage and direct the academic program are:

1. Attendance Requirements
2. Requirements for Graduation
3. Good Academic Standing
4. Academic Warning, Probation and Dismissal
5. Dismissal from the College (Non-Academic)
6. Withdrawal from the Program
7. Readmission to the Program

Attendance Requirements

Each student is expected to attend all lectures and laboratories and other activities as-

sociated with the total completion of a given course.

A student who is absent from class in excess of ten percent of the total class hours may have his or her grade reduced for lack of participation as outlined in the course syllabus. A student absent in excess of twenty percent of the total class hours will receive a grade of "F."

Requirements for Graduation

In order to be eligible for graduation from the College, candidates must meet the following criteria:

1. Have successfully completed a minimum of four academic years of resident study in an accredited institution granting a first professional degree. The last 3 semesters must have been in residence at the University of Bridgeport College of Chiropractic. A student must complete at least 25% of the program to qualify for a UBCC degree and have completed all requirements within 7 years of matriculations.
2. Have successfully completed all requirements of the educational program and have achieved a 2.50 cumulative grade point average.
3. Have successfully passed parts I and II of the National Board of Chiropractic Examiners.
4. Have been recommended for graduation by the College Faculty and Administration.
5. Have satisfactorily met all financial obligations to the College, Office of Financial Aid, publication of the class yearbook and commencement exercises.

Satisfactory Academic Progress

Students enrolled in the UBCC Doctor of Chiropractic degree program are in good academic standing and are making satisfactory academic progress, if they have successfully achieved the following criteria upon completion of their most recent semester of course work:

1. Did not receive a grade of "F or D" in any course, and
2. Maintain a cumulative grade point average of 2.50 or better.

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A student who has not achieved the above criteria is not making satisfactory academic progress and will be required to follow the criteria as outlined in the catalog regarding Academic Probation and Dismissal.

Good Academic Standing

Good academic standing is achieved when a student is maintaining good grades, has met all financial responsibilities to the College and is not guilty of any breach of the standards governing ethical and clinical conduct.

ACADEMIC WARNING, PROBATION AND DISMISSAL

Safeguards have been built into the system to protect students who are not performing well academically from suffering academic failure. During the semester, the faculty reports to the Dean on a regular basis, concerning the grades of all students in their courses. If it is noted that particular students are doing poorly, these students will be contacted to set up an interview. The interview will consist of a discussion of the causes for the student's poor performance and ways in which he or she might improve a grade.

ACADEMIC WARNING

Academic warning will result when the following is taking place:

1. The most recent semester quality point ratio falls below a 2.00.

ACADEMIC PROBATION

Academic Probation occurs when the student's QPR falls below 2.50 or if a student receives a grade of "F or D" in one or more courses. A student on academic probation is not eligible to carry a full academic course load.

ACADEMIC REMEDIATION

A student on academic probation will be placed in a program of Academic Remediation. The student is required to meet with the Associate Dean of the College to determine what courses will be retaken to satisfy the requirements of Remediation. In general, academic Remediation requires a student to repeat all grades of "F or D", carry a reduced academic load.

ACADEMIC DISMISSAL

A student who does not show substantial academic improvement after one semester of Remediation, or who is unable to achieve a QPR of 2.50 after two semester of Remediation will be dismissed from the College of Chiropractic.

Academic dismissal may also occur if a student's QPR falls below a 2.50 on a second occasion.

Any student not achieving a QPR of at least 1.75 upon completion of the first semester of study will be academically dismissed from the College of Chiropractic.

DISMISSAL FROM THE COLLEGE

Academic inadequacies are not the only reasons for dismissal from the College or University. The following is a list of additional causes for dismissal:

1. Failure to meet the generally accepted standards of ethical conduct and clinical practice. Dismissal of this nature is subject to review by a committee of peers, faculty and administration.
2. Pleading guilty or "nolo contende," or being found guilty of any crime involving moral turpitude or being felonious in nature.
3. Repeated violation of public policy, or the demonstration of behavior that creates safety hazards and/or disrupts the order of the institution. Dismissal of this nature is subject to review by a committee of peers, faculty and administration.
4. Failure to meet financial obligations or commitments to the College or University.

WITHDRAWAL FROM THE PROGRAM

If a student withdraws from University of Bridgeport College of Chiropractic in good standing he or she is eligible for readmission. A student who withdraws when not in good academic standing or, who leaves without officially withdrawing, seriously jeopardizes his or her chances of future readmission.

If a student withdraws with plans to re-enter at a later date, he or she should make this clear at the time of withdrawal.

All requirements for the doctoral degree must be completed within seven years from the first matriculation to graduation. If a student withdraws one or more times from the program, the cumulative absences must not exceed three and one half years.

READMISSION TO THE PROGRAM

To be readmitted to the program after withdrawal, a student must write to the Associate Dean for Academic Affairs requesting re-admission and indicate the date of re-entry desired. It is important to do this well in advance of such a date.

Minimum Requirements for Admission

The University of Bridgeport College of Chiropractic does not discriminate on the basis of sex, age, color, creed, ethnic origin or handicap in the administration of its education programs or on admissions.

All candidates for admission must furnish proof of having acquired three years (90 acceptable semester hours or more) of study, creditable towards a baccalaureate degree, taken in accredited, degree-granting institutions. Pre-professional education acquired must have been completed with a minimum cumulative Quality Point Ratio of 2.50 on a 4.00 scale. A baccalaureate degree is recommended.

All candidates must have completed the following specific courses as part of their pre-professional preparation:

Communication/Language Skills
6 Semester Hours

Psychology
3 Semester Hours

Chemistry: General and Organic (w/ Lab)
12 Semester Hours

General: *3 semester hours minimum*

Organic: *9 semester hours minimum*

Electives (Social Sciences/Humanities)
15 Semester Hours

General Bio/Anat & Phys (w/ Lab)
8 Semester Hours (2 consecutive courses)

General Physics (w/ Lab) and related Studies
8 Semester Hours

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All bio/anat & phys, chemistry and physics courses must:

- Be courses suitable for students majoring in sciences.
- Consist of a first semester and second semester course in each subject.
- Be passed with a grade of "C" (2.00 on a 4.00 scale) or better. Cumulative science quality point ratio must be 2.25 or better.
- Have a related laboratory.

For Admission beginning with the fall 2003, all matriculants must furnish proof of having earned a minimum of 30 semester hours in upper division credits.

A personal interview is required. Under extenuating circumstances a telephone interview will be granted.

Applicants must understand that possession of minimum entrance requirements does not constitute a guarantee of acceptance. Each entering class is selected from a large pool of eligible candidates, a majority of whom have completed four-year degrees. Those students selected for acceptance usually have obtained grades which are substantially higher than the minimum requirement.

Physical Qualifications for Admissions

The following physical qualifications are required for participation in the doctoral degree program at the UB College of Chiropractic. These qualifications are essential for the preparation of the Doctor of Chiropractic. Students at the College must be able to perform at a high level of competency in all phases of classroom, clinic, and laboratory activities as they will ultimately use the knowledge attained as Doctors of Chiropractic.

The qualifications are as follows:

1. The student must possess the coordination and use of both upper limbs as their use is required for, among other skills, the performance of the chiropractic adjustment, the primary skill of a practicing Doctor of Chiropractic.
2. The student must possess manual dexterity so that he/she may perform in the various clinical, chiropractic, and basic science laboratories without posing a

threat to him/herself, patients, or his/her fellow students' safety and well-being.

3. The student must have the ability to stand not only in the performance of manipulative procedures but others as well.
4. The student must have hearing and visual senses, appropriately assisted if needed, acute enough to individually record patient histories, to provide routine safety instructions, and perform stethoscopic and other auscultatory examinations, to read all forms of diagnostic imaging, and to perform microscopy examinations so that he/she can adequately interpret normal, abnormal, and pathological changes.

Handicapped persons will not be summarily denied admission, nor will higher scholastic requirements be demanded of them. They, like all other students, must carry out classroom, laboratory, and clinical assignments, including microscopic work, x-ray interpretation and techniques, or the equivalent; pass written, oral, and practical examinations and meet all the requirements of the College.

Cancellation of Admission or Registration

The college reserves the right to cancel the admission or registration of individuals whose attendance at the college, in the opinion of the appropriate administrative officers and dean, is not mutually beneficial to that person and to the institution.

Individuals who have registered at other educational institutions may not disregard such records and make application on the basis of high school and selected college transcripts.

Applicants who gain admission to the college on the basis of incomplete or fraudulent credentials or misrepresentations in their written application for admission may have their:

- admission and registration canceled without refund of any fees; and
- total credits rescinded that have been earned following such admissions; and
- future registration at the college prohibited.

Pre-Professional Requirements for Licensure

It is most important that all candidates for admission thoroughly investigate the specific

requirements of each state in which they plan to practice. In some cases, pre-professional requirements must be completed prior to entrance into a chiropractic program in order to be qualified to apply for a state licensing examination.

International Applicants

International Applicants must complete an Application for International Students as well as an Application to the College of Chiropractic.

Applicants who have done pre-professional study in foreign countries must submit official copies of the records of such study as well as translations if the original records are not in English. Usually, these records must be evaluated by an appropriate professional agency. Any fees charged by such an agency are the responsibility of the student. Following submission of these documents to UBCC, the Director of Admissions will make contact with the prospective student.

If the applicant is a native of a foreign country, he or she must demonstrate proficiency in English at a level appropriate for advanced study. At a minimum proficiency can be demonstrated in one of the ways listed below:

1. A score of 550 or better on the Test of English as a Foreign Language (TOEFL) AND a score of 50 or better on the Test of Spoken English (TSE). Information on the TOEFL/TSE can be obtained from TOEFL, P.O. Box 6151, Princeton, NJ 08541-6151, USA or;
2. Receipt of a grade "C" or better in one semester of English at an accredited U.S. college or university or;
3. A letter showing successful completion of the University of Bridgeport's English Language Institute.

Application Procedures

Application for admission must include:

1. A properly completed Application for Admission form.
2. Application Fee.

The applicant must provide the following to the Director of Admissions:

College of Chiropractic

1. Official transcripts of all college records.
2. Three letters of recommendation, one must be from a health care professional.

Selection of Candidates

The University of Bridgeport College of Chiropractic is coeducational and does not discriminate against any applicant on the basis of sex, race, creed, color or national origin. (Title VI, Civil Rights Act 1964)

All eligible finalists are invited for a personal interview before any action is taken upon their application.

Among the qualities typical of most successful candidates for admission, the following are especially important:

1. Superior communication skills, both oral and written.
2. Evidence of strong motivation to becoming a helping professional and, more specifically, a chiropractor.
3. Initiative and honesty as evidenced in the candidates' transactions within the application process and in all information submitted in support of the application.
4. Academic achievement which compares favorably with that of successful students at the University of Bridgeport College of Chiropractic.

Application Deadlines

Applications for admission may be submitted at any time.

NOTIFICATION OF ACCEPTANCE

Applicants will be notified in writing of the decision of the Admissions Committee as soon as a decision is made.

Transfer Students

Transfer Credit

The University of Bridgeport College of Chiropractic may grant transfer credit for courses taken in accredited professional and graduate schools. In doing so, the following requirements must be met:

1. The courses taken must have content equivalent to courses given at UBCC. If the UBCC course contains a laboratory, so must the course being considered for transfer.
2. A course being considered for transfer must have credits and hours equivalent to or greater than the same course at UBCC.
3. Any course to be transferred must have been passed with a grade of C or better. (2.0 on a 4.00 scale.)
4. A transferred course carries credit equal to the UBCC course for which credit is granted. The original grade earned is not transferred and does not affect the student's QPR at UBCC.
5. In order to obtain transfer credit the student must have been granted an honorable withdrawal from the professional or graduate school attended. An overall Grade Point Average (GPA) of a 2.50 (on a 4.0 scale) or higher must be achieved in order to be considered for transfer status or advanced standing.

It is important to note that all transfer students must meet the entry level prerequisite requirements for first semester students regardless of having been accepted to the institution from which they are transferring. In many cases, UBCC's requirements are higher than those for other chiropractic and professional schools.

Prospective transfer students should note that an admissions application to UBCC is needed in order to begin a review for transfer credit. Students wishing to transfer must provide the Admissions Committee with an official transcript and a catalog from the chiropractic, professional or graduate school/s from which they are transferring, as well as a syllabus from each course for which the student is requesting transfer credit.

Advanced Standing

Students who are accepted as transfer students may receive advanced standing if a substantial number of semester hours have been accepted by UBCC. This could possibly enable the student to complete the D.C. program in less than 8 semesters. Transfer credit may be granted either with or without

advanced standing. Effective Fall 2005, The University of Bridgeport College of Chiropractic will grant no more than a maximum of 20% of advanced standing credit/hours towards our curriculum. A transfer student is eligible to receive no more than 42 transfer credits. Potential transfer students should be aware that in most cases they would have to complete approximately, 3 to 3 1/2 years at UBCC if accepted. If advanced standing is granted:

1. A special curriculum schedule will be made up for the student based on semester hours transferred and course availability.
2. Tuition will be calculated based on the number of credits being taken per semester multiplied by the single credit fee (if less than 14 credits per semester) at the time of the student's attendance.

If advanced standing is not granted, but some semester hours are transferable, the student will be admitted to the first semester and will be exempt from courses for which transfer credit was granted.

College of Naturopathic Medicine

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Naturopathic medicine is a distinct profession of primary health care that emphasizes prevention and treatment of disease, and promotion of optimal health and wellness through the use of natural therapies that enhance the inherent healing wisdom of nature, the *vis medicatrix naturae*. Rooted in tradition, naturopathic physicians utilize clinical nutrition, botanical medicine, homeopathy, physical medicine, and other natural modalities to help patients thrive. Most naturopathic physicians are in private practice, though opportunities in group and integrative practice settings, research, and education are rapidly growing. The University of Bridgeport College of Naturopathic Medicine trains its students to a broad scope of practice, however, the actual scope of practice varies between states. Students are responsible for being informed of licensure requirements and scope of practice in the legal jurisdiction in which they plan to practice.

The University of Bridgeport College of Naturopathic Medicine offers a doctoral degree that prepares students for national (NPLEX), state, and provincial licensing exams, and for the general practice of naturopathic medicine. The program is an intensive four-year, full-time, academic and clinical curriculum that provides students with a solid foundation in the knowledge and skills essential to the practice of naturopathic medicine. There are no correspondence or distance-learning courses offered.

Degree

Doctor of Naturopathic Medicine (N.D.)

Recognition and Memberships

The University of Bridgeport College of Naturopathic Medicine is approved to offer the degree of Doctor of Naturopathic Medicine by the Connecticut State Department of Higher Education. The naturopathic medical program offered by the College is accredited by the Council on Naturopathic Medical Education (CNME- Address: PO Box 178, Great Barrington, MA 01230 - Phone: 413-528-8877 - email: staff@cnme.org). The University of Bridgeport is accredited by the Council on Institutions of Higher Education (CIHE) of the New England Association of Schools and Colleges (NEASC). The college offers a curriculum that provides a strong foundation for the broad scope of naturopathic medical practice. UBCNM is an institutional member of the Association of Accredited Naturopathic Medical Colleges (AANMC).

Mission Statement

The Mission of the College of Naturopathic Medicine, an integral part of the University of Bridgeport, is to train naturopathic physicians who practice medicine in a way that supports the inherent healing wisdom of nature and facilitates health and optimal well being, while preparing them to become leaders in natural healthcare delivery, research, and education.

In support of this mission the College has the following Goals:

- The College will provide an education of the highest standards, with academic and clinical training based on the principles

and philosophy of naturopathic medicine, leading to the degree of Doctor of Naturopathic Medicine.

- The College will encourage and support the development of its students to become competent, compassionate, and successful naturopathic physicians who engage in collaboration with other healthcare practitioners to fully address the healthcare needs of their patients.
- The College will respect cultural differences and will have an appreciation of traditional and conventional approaches to medicine.
- The College will conduct research to advance the understanding and knowledge of the natural health sciences.
- The College will serve the public and support the clinical education of its students by providing naturopathic healthcare at the College Clinic and at other locations throughout the community. The College will seek to provide healthcare to underserved and disadvantaged populations, and to provide health education for the general public.
- The College will maintain appropriate standards for professional conduct and accountability and encourage students to become honorable and dedicated professionals, committed to serve their communities and the naturopathic profession.
- The College will pursue the development of residency opportunities for naturopathic graduates as an important component of naturopathic medical training.
- The College will cooperate with other organizations and institutions of higher learning to promote education and research related to natural medicine.
- The College will conduct its affairs and the execution of its program with honor and integrity.
- The College Community will work together to create and maintain a collegial, culturally diverse environment that is mutually supportive for students, staff, and faculty for personal and professional growth.
- The College will provide advisement and assistance for graduates to find suitable positions upon graduation.

College of Naturopathic Medicine

Program Objectives

Upon successful completion of this program, students will:

1. Demonstrate a comprehensive understanding of the history, principles and philosophy of Naturopathic Medicine.
2. Apply an understanding of medicine, including naturopathic medicine, in assessing the current state of the health-care system.
 - First of all, to do no harm.
 - To act in cooperation with the Healing Power of Nature.
 - To address the fundamental causes of disease.
 - To heal the whole person through individualized treatment.
 - To teach the principles of healthy living and preventative medicine.
3. Demonstrate the ability to integrate naturopathic philosophy and principles with biomedical science, diagnostic science and naturopathic medical knowledge to safely and effectively diagnose and treat disease and promote individual and community health and well being.
4. Demonstrate behavior that is ethical, professional and accountable.
5. Demonstrate an understanding of the principles and importance of scientific and medical research, scholarly activity and life long learning.

Naturopathic Principles and Practice

The American Association of Naturopathic Physicians has adopted the following official definition of Naturopathic Medicine, its principles and practice:

Naturopathic medicine is a distinct system of primary healthcare — an art, science, philosophy and practice of diagnosis, treatment and prevention of illness. Naturopathic medicine is distinguished by the principles upon which its practice is based. The principles are continually reexamined in the light of scientific advances. The techniques of naturopathic medicine include modern and traditional, scientific and empirical methods. The following principles are the foundation

of naturopathic medical practice:

The Healing Power of Nature (*Vis Medicatrix Naturae*): Naturopathic medicine recognizes an inherent self-healing process in the person which is ordered and intelligent. Naturopathic physicians act to identify and remove obstacles to healing and recovery, and to facilitate and augment this inherent self-healing process.

Identify and Treat the Causes (*Tolle Causam*): The naturopathic physician seeks to identify and remove the underlying causes of illness, rather than to merely eliminate or suppress symptoms.

First Do No Harm (*Primum Non Nocere*): Naturopathic physicians follow three guidelines to avoid harming a patient:

- Utilize methods and medicinal substances which minimize the risk of harmful side effects, using the least force necessary to diagnose and treat;
- Avoid when possible the harmful suppression of symptoms;
- Acknowledge, respect and work with the individual's self-healing process.

Doctor As Teacher (*Docere*): Naturopathic physicians educate their patients and empower them to take responsibility for their health. They also recognize and employ the therapeutic potential of the doctor-patient relationship.

Treat the Whole Person: Naturopathic physicians treat each patient by taking into account individual physical, mental, emotional, genetic, environmental, social, and other factors. Since total health also includes spiritual health, naturopathic physicians encourage individuals to pursue their personal spiritual development.

Prevention: Naturopathic physicians emphasize the prevention of disease — assessing risk factors, heredity and susceptibility to disease and making appropriate interventions in partnership with their patients to prevent illness. Naturopathic medicine is committed to the creation of a healthy world in which humanity may thrive.

PRACTICE

Naturopathic Methods: Naturopathic medicine is defined by its principles. Diagnostic

methods, treatments and modalities are selected and applied based upon these principles in relationship to the unique individual needs of each patient.

Naturopathic Practice: Naturopathic practice includes the following diagnostic and therapeutic modalities: clinical nutrition; botanical medicine; naturopathic physical medicine including naturopathic manipulative therapy; public health measures and hygiene; health counseling; minor surgery; homeopathy; acupuncture; naturopathic obstetrics (natural childbirth); and laboratory assessment, diagnostic imaging, and clinical diagnosis.

Curriculum

The curriculum is designed to prepare graduates of the program to be competent, caring physicians offering comprehensive healthcare using traditional and modern methods and modalities in accordance with the principles of Naturopathic Medicine. The first year of the program is devoted to biomedical sciences and naturopathic philosophy. The second year of training is focused on clinical sciences and the beginning of coursework in therapeutic modalities. The second two years introduce courses in naturopathic case management related to organ systems, special populations (e.g., pediatrics and geriatrics), in addition to advanced study of therapeutic modalities.

Clinical training begins after the completion of the second year of study. Students see patients at the on-campus UB Clinics and off-site community clinics in the surrounding area under the supervision and direction of naturopathic physicians as well as other licensed physicians. To be eligible for clinical education training and credit, students must be in good academic standing, successfully complete required courses in Semesters I through IV. Successfully complete the clinic entrance exam and have CPR certification.

The course of study consists of four academic years of two 18-week semesters per academic year.

College of Naturopathic Medicine

Semester Based Curriculum

YEAR 1

SEMESTER I

| NUMBER | COURSE | LECT | LAB | SEM. | CR. |
|--------------|----------------------------------|-------------|----------|------------|--------------|
| NBS 521 | Phytopharmacognosy | 1.5 | 0 | 27 | 1.5 |
| NBS 511 | Anatomy I | 4 | 3 | 126 | 5.5 |
| NBS 512 | Histology | 2 | 2 | 72 | 3 |
| NBS 513 | Embryology | 1 | 0 | 18 | 1 |
| NBS 514 | Biochemistry I | 2 | 1 | 54 | 2.5 |
| NBS 515 | Physiology I | 3 | 2 | 90 | 4 |
| NOM 511 | Oriental Medicine I | 2 | 0 | 36 | 2 |
| NPP 511 | History of Naturopathic Medicine | 2 | 0.5 | 36 | 1.25 |
| NPP 512 | Philosophy of Nat. Medicine I | 1 | 0 | 18 | 1 |
| NPS 511 | Mind-Body Medicine | 1 | 0.5 | 27 | 1.25 |
| NRS 511 | Research I | 1 | 0 | 18 | 1 |
| Total | | 17.5 | 8 | 459 | 24.75 |

SEMESTER II

| NUMBER | COURSE | LECT | LAB | SEM. | CR. |
|--------------|------------------------------|-------------|-----------|------------|--------------|
| NBM 511 | Botanical Pharmacy Lab | 0 | 2 | 36 | 1 |
| NBS 521 | Anatomy II | 4 | 3 | 126 | 5.5 |
| NBS 522 | Microbiology | 4 | 1.5 | 99 | 4.75 |
| NBS 524 | Biochemistry II | 2 | 1 | 54 | 2.5 |
| NBS 525 | Physiology II | 3 | 2 | 90 | 4 |
| NBS 526 | Neuroscience | 2 | 0 | 36 | 2 |
| NCS 524A | Public Health/Epidemiology I | 1.5 | 0 | 27 | 1.5 |
| NOM 521 | Oriental Medicine II | 2 | 0 | 36 | 2 |
| NPM 522 | Living Anatomy: Palpation | 0 | 1.5 | 27 | 0.75 |
| NPM523 | Hydrotherapy | 1 | 1.5 | 45 | 1.75 |
| NRS 521 | Research II | 1 | 0 | 18 | 1 |
| Total | | 20.5 | 11 | 567 | 26.75 |

YEAR 2

SEMESTER III

| NUMBER | COURSE | LECT | LAB | SEM. | CR. |
|--------------|-------------------------------|-------------|------------|------------|-------------|
| NBM 611 | Botanical Medicine I | 2 | 0 | 36 | 2 |
| NCS 611 | Pathology I | 2 | 2 | 90 | 4 |
| NCS 612 | Clinical Diagnosis I | 5 | 0 | 90 | 5 |
| NCS 612L | Physical Examination Lab I | 0 | 2 | 36 | 1 |
| NCS 613 | Laboratory Diagnosis I | 2 | 0 | 36 | 2 |
| NCS 613L | Laboratory Diagnosis Lab I | 0 | 1 | 18 | 0.5 |
| NCS 614B | Public Health/Epidemiology II | 1.5 | 0 | 27 | 1.5 |
| NCS 616 | Immunology | 2 | 0 | 36 | 2 |
| NCS 617 | Medical Genetics | 1 | 0 | 18 | 1 |
| NCS 619 | Diagnostic Imaging I | 2 | 0 | 36 | 2 |
| NNT 611 | Nutrition I | 2 | 0 | 36 | 2 |
| NPM 621 | Orthopedic Assessment | 1 | 1.5 | 45 | 2 |
| NPS 611 | Counseling Skills I | 1 | 1 | 36 | 1.5 |
| Total | | 21.5 | 7.5 | 630 | 26.5 |

SEMESTER IV

| NUMBER | COURSE | LECT | LAB | SEM. | CR. |
|--------------|------------------------------------|-----------|------------|------------|-------------|
| NBM 621 | Botanical Medicine II | 2 | 0 | 36 | 2 |
| NCE 621 | Clinic Entry | 1 | 0 | 18 | 1 |
| NCS 621 | Pathology II | 3 | 2 | 90 | 4 |
| NCS 622 | Clinical Diagnosis II | 5 | 0 | 90 | 5 |
| NCS 622L | Physical Examination Lab II | 0 | 2 | 36 | 1 |
| NCS 623 | Laboratory Diagnosis II | 2 | 0 | 36 | 2 |
| NCS 623L | Laboratory Diagnosis Lab II | 0 | 1 | 18 | 0.5 |
| NCS 629 | Diagnostic Imaging II | 2 | 0 | 36 | 2 |
| NHM 621 | Homeopathy I | 2 | 0 | 36 | 2 |
| NNT 621 | Nutrition II | 2 | 0 | 36 | 2 |
| NPM 612 | Physiological Therapeutics | 1 | 2 | 54 | 2 |
| NPP 621 | Intro to Biochemical Individuality | 1 | 0 | 18 | 1 |
| NPS 621 | Psychological Assessment | 2 | 0 | 36 | 2 |
| Total | | 25 | 7.5 | 587 | 26.5 |

YEAR 3

SEMESTER V

| NUMBER | COURSE | LECT | LAB | SEM. | CR. |
|--------------|-----------------------------|-------------|-----------|------------|-------------|
| NCE 712 | Clinical Education I | 0 | 16 | 250 | 8 |
| NBM 711 | Botanical Medicine III | 2 | 0 | 36 | 2 |
| NCS 714 | Clinical Forum I | 0 | 2 | 36 | 1 |
| NHM 711 | Homeopathy II | 2 | 0 | 36 | 2 |
| NNP 712 | Generative Medicine I | 1 | 0 | 18 | 1 |
| NNP 713 | Gastroenterology | 2 | 0 | 36 | 2 |
| NNP 714 | Gynecology | 2 | 0 | 36 | 2 |
| NNT 711 | Nutrition III | 2 | 0 | 36 | 2 |
| NPM 711 | Naturopathic Manipulation I | 2 | 4 | 108 | 4 |
| NPS 711 | Counseling Skills II | 1 | 1 | 36 | 1.5 |
| NRS 711 | Thesis I | 1 | 0 | 18 | 1 |
| Total | | 15.5 | 20 | 639 | 26.5 |

SEMESTER VI

| NUMBER | COURSE | LECT | LAB | SEM. | CR. |
|--------------|------------------------------|-----------|-----------|------------|-------------|
| NCE 722 | Clinical Education II | 0 | 16 | 250 | 8 |
| NCS 721 | Pharmacology I | 2 | 0 | 36 | 2 |
| NCS 723 | Clinical Forum II | 0 | 2 | 36 | 1 |
| NCS 724 | Emergency Procedures | 2 | 0 | 36 | 2 |
| NHM 721 | Homeopathy III | 2 | 0 | 36 | 2 |
| NNP 721 | Pediatrics | 2 | 0 | 36 | 2 |
| NNP 722 | Cardiology | 2 | 0 | 36 | 2 |
| NNP 725L | Gynecology Lab | 0 | 1 | 18 | 0.5 |
| NNT 721 | Nutrition IV | 2 | 0 | 36 | 2 |
| NPM 721 | Naturopathic Manipulation II | 2 | 4 | 108 | 4 |
| NPP 722 | Philosophy of Nat Med II | 1 | 0 | 18 | 1 |
| Total | | 17 | 23 | 684 | 26.5 |

YEAR 4

SEMESTER VII

| NUMBER | COURSE | LECT | LAB | SEM. | CR. |
|--------------|---------------------------------|-----------|-----------|------------|--------------|
| NCE 812 | Clinic Education III | 0 | 20 | 443 | 10 |
| NCS 811 | Pharmacology II | 2 | 0 | 36 | 2 |
| NCS 812 | Environmental Medicine | 1.5 | 0 | 27 | 1.5 |
| NNP 811 | EENT | 1 | 0.5 | 27 | 1.25 |
| NNP 812 | Endocrinology | 2 | 0 | 36 | 2 |
| NNP 813 | Neurology | 1.5 | 0 | 27 | 1.5 |
| NNP 814 | Urology/Proctology | 1.5 | 0 | 27 | 1.5 |
| NOB 811 | Obstetrics | 2 | 0 | 36 | 2 |
| NPM 821 | Therapeutic Exercise/Sports Med | 2 | 0 | 36 | 2 |
| NPP 811 | Practice Management I | 1.5 | 0 | 27 | 1.5 |
| NRS 811 | Thesis II | 1 | 0 | 18 | 1 |
| Total | | 15 | 20 | 630 | 26.25 |

SEMESTER VIII

| NUMBER | COURSE | LECT | LAB | SEM. | CR. |
|--------------|------------------------|-----------|-----------|------------|-------------|
| NCE 822 | Clinic Education IV | 0 | 20 | 443 | 10 |
| NHM 821 | Homeopathy IV | 2 | 0 | 36 | 2 |
| NNP 821 | Geriatrics | 1 | 0 | 18 | 1 |
| NNP 823 | Oncology | 1.5 | 0 | 27 | 1.5 |
| NNP 824 | Dermatology | 1.5 | 0 | 27 | 1.5 |
| NNP 825 | Minor Surgery | 1 | 1 | 36 | 1.5 |
| NNP 826 | Rheumatology | 1 | 0 | 18 | 1 |
| NNP 827 | General Medicine II | 1 | 0 | 18 | 1 |
| NPP 821 | Jurisprudence/Ethics | 1.5 | 0 | 27 | 1.5 |
| NPP 822 | Practice Management II | 1.5 | 0 | 27 | 1.5 |
| NPS 712 | Mind-Body Medicine II | 2 | 0 | 36 | 2 |
| Total | | 10 | 21 | 558 | 24.5 |

| NUMBER | COURSE | LECT | LAB | SEM. | CR. |
|---------------------|--------|--------------|------------|-------------|---------------|
| Academic | | 140.5 | 51 | 3555 | 208.25 |
| Clinical Education | | 0 | 72 | 1386 | 36 |
| GRAND TOTALS | | 140.5 | 123 | 4941 | 244.25 |

Elective Courses

Elective courses are offered to allow specialization and/or certification in various areas of naturopathic practice. Some, but not all, licensing jurisdictions require a specific minimum number of didactic hours for the practice of these specialties.

COURSE IDENTIFICATION

Course identification is as follows:

- NBS Basic Sciences
- NBM Botanical Medicine
- NNT Clinical Nutrition
- NCS Clinical Services
- NHM Homeopathic Medicine
- NOB Naturopathic Obstetrics
- NNP Naturopathic Practice/Organ System
- NPP Naturopathic Principles and Practice

College of Naturopathic Medicine

NOM Oriental Medicine
NPM Physical Medicine
NPS Psychology
NRS Research
NCE Clinical Education

The course numbering system is as follows:

500 level — courses offered in year one
600 level — courses offered in year two
700 level — courses offered in year three
800 level — courses offered in year four

The second digit identifies the semester the course is given in that academic year. The third digit indicates the number of the course in that sequence.

e.g. BS 525

BS - Basic Science

5 - year one

Beginning August 1, 1997 all courses in the College of Naturopathic Medicine will be identified with the letter "N" as the first letter in the course description i.e., NBS511 Anatomy I.

GRADES

Grades earned by students are submitted to the Registrar utilizing the following designations. Grades earned are on a four (4)-point scale with an "A" or 4 quality points being the highest grade attained. Grades with quality points are:

GRADE QUALITY POINTS

| | |
|----|-----|
| A | 4.0 |
| B+ | 3.5 |
| B | 3.0 |
| C+ | 2.5 |
| C | 2.0 |
| D | 1.0 |
| F | 0.0 |

The cumulative quality point ratio (QPR) is determined by dividing the number of semester hours into the number of points earned. Transfer credits are not included in this computation. Clinic Grades are: Satisfactory (S) or Unsatisfactory (U).

Please refer to the Student Handbook for

policies regarding grades of "D" and "F".

Administrative Grades

In addition to the Academic Grades submitted by faculty, the following Administrative Grades are also utilized.

I The grade of Incomplete "I", is used by the faculty to indicate that a student has not completed all course requirements for approved reasons. These include illness that can be documented and family or other emergencies. A student will have one week from the last day of the term to contact the instructor to arrange to complete all course requirements. Upon completion of the course requirements the faculty member will submit the earned grade. Failure by the student to contact the instructor within one week from the last day of the term, or to complete the required work by the time specified by the course instructor, and no later than one week before the end of the following term, will result in the grade of "I" being converted to a grade of "F".

Any student with a grade of "F" or "W" will not be eligible to register for courses for which that course is a prerequisite without approval by the course instructor and the Associate Dean for Academic Affairs.

TCR This indicates transfer credit granted for equivalent work completed at another accredited institution.

W Withdrawal grades are assigned on the following policy statements:

1. If the student officially withdraws from a course during the official change-of-registration period, that course does not appear on the student's transcript.
2. If a student officially withdraws from a course after the end of the change-of-registration period, but before the end of the official withdrawal period, a grade of "W" is assigned and that course remains on the student's transcript. Courses with a grade of "W" do not count toward the QPR and do not count towards "hours attempted."

3. The names of students who have officially withdrawn from a course and receive the grade of "W" are so listed on the class roster for the balance of the semester.
4. Any exceptions to the above, including late withdrawals, must be approved by the Associate Dean before they become official and are recorded. Poor academic performance does not constitute a valid reason for late withdrawal.

Academic Policies

(See the College Student Handbook for the most current and complete description policies and procedures.)

ATTENDANCE REQUIREMENTS

Each student is expected to attend all lectures and laboratories and other activities associated with the total completion of a given course. Certain courses are offered on evenings and weekends.

A detailed description of the attendance policy can be found in the college student handbook.

REQUIREMENTS FOR GRADUATION

In order to be eligible for graduation from the College, candidates must meet the following criteria:

1. Successfully complete all requirements of the educational program with a minimum 2.50 cumulative grade point average.
2. Have successfully completed all requirements of the educational program and have achieved a 2.50 cumulative grade point average.
3. Have been recommended for graduation by the College Faculty and Administration.
4. Have satisfactorily met all financial obligations to the College and Office of Financial Aid.
5. Take and pass NPLEX Part I (Biomedical exam).
6. Transfer and/or advanced standing students must complete, at a minimum, the last three semesters in residence at the University of Bridgeport College of Naturopathic Medicine.

College of Naturopathic Medicine

SATISFACTORY ACADEMIC PROGRESS

A student is considered to be meeting satisfactory academic progress by maintaining a Quality Point Ratio (QPR) of 2.5 or greater with no outstanding grades of “D” or “F”. Good academic standing is achieved when a student is maintaining good grades, has met all financial responsibilities to the College and is not guilty of any breach of the standards governing ethical and clinical conduct.

Academic Probation, Remediation and Dismissal

ACADEMIC PROBATION

Academic probation occurs when the student’s QPR falls below 2.50. A student on academic probation is not in good academic standing and may not be allowed to carry a full academic course load nor participate in clinic training.

A student on academic probation may be placed in a program of academic remediation. The student is required to meet with a designated advisor immediately to establish a plan for successful completion of the program.

ACADEMIC DISMISSAL

A student who does not show substantial academic improvement after one semester of remediation, or who is unable to achieve a QPR of 2.50 after two semesters of remediation may be dismissed from the College of Naturopathic Medicine.

Academic dismissal may also occur if a student’s QPR falls below a 2.50 on a second occasion.

Any student not achieving a QPR of at least 1.75 upon completion of the first semester of study may be academically dismissed from the College of Naturopathic Medicine.

Please see the College Student Handbook for a complete description of policies and procedures for probation and dismissal.

NON-ACADEMIC DISMISSAL FROM THE COLLEGE

Naturopathic medical students are expected to demonstrate ethical, professional behavior at all times. The following incidents may

be cause for dismissal from the program:

1. Failure to meet the generally accepted standards of professional conduct and clinical practice.
2. Pleading guilty or “no contest,” or being found guilty of any crime involving moral turpitude or being felonious in nature.
3. Repeated violation of public policy, or the demonstration of behavior that created safety hazards and/or disrupts the order of the institution.
4. Failure to meet financial obligations or commitments to the College.

Please see the College Student Handbook for a complete description of policies and procedures for Non-Academic Dismissal.

LEAVE OF ABSENCE AND WITHDRAWAL FROM THE PROGRAM

If a student wishes to take a Leave of Absence from the University of Bridgeport College of Naturopathic Medicine and is in good academic and financial standing with the College, he or she is eligible for readmission for up to one year from the date the leave begins. After one year, the student must reapply for admission to the College through the Admissions Office.

A Medical Leave requires medical documentation from a physician the states that the student must take time off to recover from illness or injury. Before returning to the program the student must provide similar documentation to the effect that s/he is healthy enough to resume participation in the program. A student may be granted a Medical Leave even if s/he is not in good academic standing. After one year, the student must reapply for admission to the College through the Admissions Office.

If a student takes a leave of absence with plans to reenter at a later date, he or she should make this clear at the time of withdrawal whenever possible. A student on Leave of Absence must notify the Dean in writing that s/he is intending to return to the program at least one month before the beginning of the semester of anticipated return.

A student who withdraws from the program must reapply for admission to the College in

order to be readmitted to the program. If a student fails to register for a semester without taking a Leave of Absence at any time before completion of the naturopathic program, s/he is considered to have withdrawn from the program.

Please note: All requirements for the doctoral degree must be completed within seven years from the first matriculation to graduation. If a student takes a leave one or more times from the program, the cumulative absences must not exceed three years.

If a student wishes to take a Leave of Absence, he or she must submit a letter to the Dean stating the reason for leave. A leave of Absence or Withdrawal requires the student to complete all required paperwork from the Registrar’s and Financial Aid Office..

READMISSION TO THE PROGRAM

Students returning from a Leave of Absence must contact the Associate Dean for Academic Affairs at least 30 days prior to their return for academic counseling and registration.

To be considered for readmission to the program after withdrawal or expired Leave of Absence, former students must reapply for admission through the Admissions Office. It is important to do this well in advance of the proposed date of readmission.

Minimum Requirements for Admission

The admission requirements for the Doctor of Naturopathic Medicine degree program at the University of Bridgeport are:

Candidates for admission to the naturopathic medical degree program must furnish proof of having acquired a baccalaureate degree, taken in an accredited, degree-granting institution. Successful applicants are expected to have a Grade Point Average (GPA) of 3.0 or greater for both the overall GPA and the science-based prerequisite GPA.

All candidates must have completed the following specific courses as part of their professional preparation:

General Biology (with labs)
6 semester hours

General Chemistry (with labs)
6 semester hours

College of Naturopathic Medicine

Organic Chemistry (with labs)
6 semester hours

General Physics (with lab)
3 semester hours

Communication/Language Skills
6 semester hours

Psychology
3 semester hours

Social Science/Humanities
15 semester hours

All biology/anatomy and physiology, chemistry and physics courses must:

- Be intended suitable for students majoring in sciences
- Consist of a first semester and second semester course in each subject.
- Be passed with a grade of "C" (2.00 on 4.00 scale) or better. Cumulative science quality point ratio is expected to be 3.0 or better.
- Have a related laboratory.
- Have been taken within the past seven years.

The following courses are *strongly recommended* for entry into the naturopathic program: Biochemistry, Microbiology, Anatomy, Physiology, Genetics, Statistics, Botany, Developmental Psychology, Expository Writing and Medical Terminology.

Application Procedures

Application for admission must include:

1. A properly completed Application for Admission form.
2. Application fee.

The applicant must provide the following to the Director of Admissions:

1. Official transcripts from each college attended.
2. Three letters of recommendation, one of which is from a health care professional.
3. A 500-750 word personal statement demonstrating strong writing skills.

After all required documentation is received, an applicant who fulfills the requirements may be invited to interview for admission to the program. Applicants must understand

that possession of minimum entrance requirements does not constitute a guarantee of acceptance. Please note a background check is required for all accepted students prior to matriculation.

Application Deadlines and Notification of Acceptance:

Admissions is on a rolling basis, therefore, applications may be submitted at any time. Notification of acceptance will be made as soon as possible following an interview, however, general intake to the program only occurs in the Fall term of each year. Advanced placement and/or transfer students are accepted for Spring term on a case by case basis.

International Applicants

International applicants must complete an Application for International Students. Applicants who have done pre-professional study in foreign countries must submit official copies of course-by-course evaluated transcripts from a service (i.e., WES or ECE)... Any fees charged by such an agency are the responsibility of the student.

English as a Second Language

A candidate whose native language is not English will be required to demonstrate adequate proficiency in both oral and written English sufficient to succeed in the classroom and clinical settings.

- Official TOEFL exam results of 213 on the computer-based test or 550 on the paper-based test or 79 on the Internet-based test (iBT) score. www.ets.org/toefl
- TSE (test of spoken English) with a score of 50 or greater. (Only students with paper-based or computer-based TOEFL exam scores will be required to complete this test). www.ets.org/tse
- Official IELTS exam results of 6.5 or higher. www.ielts.org
- Completion of a baccalaureate degree taught in English from an accredited US college or university may replace other language proficiency requirements.
- Admitted students whose first language is not English may also be required to take additional elective credits and/or

training to improve their language skills.

Transfer Credit

The University of Bridgeport College of Naturopathic Medicine may grant transfer credit for courses taken in accredited professional and graduate schools. In doing so, the following requirements must be met:

1. Courses taken must have content equivalent to courses given at UBCNM. If the UBCNM course contains a laboratory, so must the course being considered for transfer.
2. A course being considered for transfer must have credits and hours equivalent to or greater than the same course at UBCNM.
3. Any course to be transferred must have been passed with a grade of "B" or better (3.00 on a 4.00 scale.)
4. The original grade earned is not transferred and does not affect the student's QPR at UBCNM.

It is important to note that all transfer students must meet the entry-level prerequisites for first semester students regardless of having been accepted to the institution from which they are transferring.

Students wishing to transfer must provide the Admissions Committee with official transcripts from all undergraduate and graduate schools attended, as well as from the naturopathic, professional or graduate school from which they are transferring. Catalogs and syllabi may be requested as needed to review the materials. The Admission Committee may request a letter from the Dean of the College indicating the student is leaving in good academic standing.

Advanced Standing

Candidates for the College of Naturopathic Medicine who have a substantial amount of doctoral level health sciences credit may be eligible for advanced standing. This will generally be limited to allopathic, chiropractic, or osteopathic physicians, or to students transferring from the allopathic, chiropractic, naturopathic or osteopathic schools. Candidates for advanced standing must

College of Naturopathic Medicine

meet the same admission requirements as entering first year students, must have left their previous program in good academic standing, and must be in good standing in their profession (if applicable). The records of these candidates will be evaluated for transfer credit according to the guidelines listed above and a preliminary plan for completing the program will be presented at the time of acceptance.

Students accepted with advanced standing must complete all of the course requirements for the naturopathic medical degree, either through transfer, or completion of the courses. Advanced standing students are required to be in residence at the University of Bridgeport College of Naturopathic Medicine for a minimum of three semesters and complete the majority of clinical education requirements at the University of Bridgeport. Each incoming advanced-standing students will be evaluated individually for transfer credit and course requirements.

Students with advanced standing are responsible for all graduation requirements for the College, including successful completion of NPLEX Part I.

Selection of Candidates

The University of Bridgeport College of Naturopathic Medicine is coeducational and does not discriminate against individuals on the basis of race, color, sex, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, ancestry, or national or ethnic origin (Title VI, Civil Rights Act 1964).

All eligible finalists are invited for a personal interview before any action is taken upon their application.

Among the qualities typical of most successful candidates for admission, the following are especially important:

1. Superior communication skills, both oral and written.
2. Evidence of strong motivation to become a helping professional and, specifically, a naturopathic doctor.
3. Initiative and honesty as evidenced in the candidate's transactions within the application process and in all information submitted in support of the applica-

tion.

4. High academic standards as evidenced by the successful completion of the pre-requisite degree, GPA, and coursework.

Required Skills and Abilities

Applicants to UBCNM must possess the intellectual, physical, and emotional means required to independently undertake the full curriculum, meet the levels of competency established by the faculty, and embark on a successful career in naturopathic medicine. Candidates who require accommodations should be able to demonstrate and perform the following skills and abilities in a reasonably independent manner. The use of a trained intermediary requires that the candidate's judgment be mediated by someone else's power of selection and observation and may compromise patient safety. Admitted students with specific needs have access to the Coordinator of Disability Service, who collaborates with administrative staff and faculty to provide reasonable accommodations for courses and examinations.

- **Observation:** The candidate must be able to observe demonstrations and experiments in the basic sciences, and to observe a patient accurately at a distance and close at hand.
- **Communication:** A candidate must be able to speak, to hear, and to observe patients in order to elicit information, describe changes in mood, activity, and posture, and perceive nonverbal communications. A candidate must be able to demonstrate effective and sensitive communication with patients, as well as effective and efficient oral and written English with all members of the health care team.
- **Motor:** Candidates should have sufficient motor function to elicit information from patients by palpation, auscultation, percussion, and other diagnostic maneuvers. A candidate should be able to perform basic laboratory tests, re-position a patient, and conduct diagnostic and therapeutic procedures required for providing general patient care.
- **Intellectual-Conceptual, Integrative, and Quantitative Abilities:** A candidate must demonstrate critical thinking, sound judgment, analysis, reasoning, and synthesis, essential to the problem-solving skills de-

manded of physicians. In addition, the candidate should be able to comprehend three-dimensional relationships and to understand the spatial relationships of structures.

- **Behavioral and Social Attributes:** A candidate must possess the emotional maturity and stability required for full utilization of her/his intellectual abilities, the exercise of good judgment, the prompt completion of all responsibilities attendant to the diagnosis and care of patients, and the development of mature, sensitive, and effective relationships with patients, instructors, and peers. A candidate must be able to adapt to changing environments, to display flexibility, and to learn to function in the face of uncertainties inherent in the clinical problems of many patients. Compassion, integrity, concern for others, interpersonal skills, interest, and motivation are all personal qualities that are assessed during the admissions and educational processes.
- Adapted from American Association of Medical Colleges guidelines.

Computer Literacy

The University of Bridgeport Naturopathic Clinic has implemented an electronic medical record system, which requires all student clinicians and supervising physicians to record and submit patient chart notes electronically. A candidate for admission to the College should have access to a reliable computer and be proficient with computer use.

Cancellation of Admission or Registration

The College reserves the right to cancel the admission or registration of individuals whose attendance at the College, in the opinion of the appropriate administrative officers and Dean, is not mutually beneficial to that person and to the institution.

Applicants who gain admission to the College on the basis of incomplete or fraudulent credentials or misrepresentations in their written application for admission may have their:

- admission and registration cancelled without refund of any fees; and

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- total credits rescinded that have been earned following such admissions; and
- future registration at the College prohibited.

Licensing and Professional Societies

Doctors of Naturopathic Medicine are presently licensed in 16 states: Alaska, Arizona, California, Connecticut, Hawaii, Idaho, Kansas, Maine, Minnesota, Montana, New Hampshire, Oregon, Utah, Vermont and Washington; in addition to the District of Columbia, the U.S. Territories of Puerto Rico and the U.S. Virgin Islands, and 5 Canadian Provinces. Graduates of approved naturopathic colleges must pass a two-part national standardized examination called the Naturopathic Physicians Licensing Examination (NPLEX) to be eligible for licensure.

For specific professional requirements for licensing, candidates should contact the appropriate licensing authority in the jurisdiction in which they wish to practice. Most states and provinces have a professional naturopathic association. The American Association of Naturopathic Physicians (AANP, www.naturopathic.org) is the national professional association for naturopathic medicine in the United States. The national professional association in Canada is the Canadian Association of Naturopathic Doctors (CAND, www.naturopathicassoc.ca).

Information Subject to Change

The College of Naturopathic Medicine provides the foregoing information for the purpose of providing students, applicants, and the public with information about the educational programs and policies of the College. This information does not constitute a contract. The College reserves the right to make changes in the program, policies, tuition, fees, schedules, and any other content at any time without prior notice.

JOINT DEGREE PROGRAMS

Joint degree programs in association with the College of Naturopathic Medicine have been established to allow students to pursue degrees in other areas while working toward the Doctor of Naturopathic Medicine degree. Cer-

tain joint degree programs will require additional semesters to complete the coursework, while others can be completed within the four-year timeframe of achieving the naturopathic degree. The joint degree programs are: ND/MS in Acupuncture; ND/MS in Nutrition.

JOINT ND/MS ACUPUNCTURE

Students who have completed the second semester of naturopathic medical studies in good academic standing, and with no outstanding grades of "D" or "F", may be considered for recommendation by the Dean of the College of Naturopathic Medicine for entry into the Master's Program in Acupuncture with advanced standing. Students admitted into the Acupuncture Program will receive credit for completed coursework in anatomy, physiology, pathology, and other basic medical sciences. They will also receive credit for Oriental Medicine and any acupuncture electives taken through the naturopathic program. Generally, naturopathic students receive credit for 47 credits from their course of studies and must complete another 67 credits specifically in acupuncture. Completion of the Acupuncture program is expected to take one extra year after graduation from the naturopathic program. Coursework in the MS/Acupuncture program will cost the student additional fees per semester credit hour.

JOINT ND/MS-ACUPUNCTURE 5-YEAR OUTLINE:

SEMESTER THREE

| NUMBER | COURSE | CREDITS |
|---------|---------------------|---------|
| ATD 511 | Oriental Philosophy | 1 |
| APT 511 | Point Location I | 2 |
| AMR 511 | Tai Ji Chuan I | 1 |
| APT 512 | Meridian Theory | 2 |
| | | 6 |

SEMESTER FOUR

| | | |
|---------|------------------------|---|
| ATD 524 | Oriental Diagnosis II | 2 |
| APT 523 | Point Location II | 2 |
| AWB 521 | Clean Needle Technique | 2 |
| AHM 511 | OM Pharmacognosy | 1 |
| | | 7 |

SEMESTER FIVE

| | | |
|---------|--------------------------|---|
| AMR 522 | Tai ji Chuan II | 1 |
| APT 614 | Acupuncture Techniques I | 3 |
| AHM 612 | MMI: Patent Remedies | 1 |
| | | 5 |

SEMESTER SIX

| | | |
|---------|---------------------------|---|
| APT 625 | Acupuncture Techniques II | 3 |
| AHM 613 | Oriental Dietetics | 2 |
| AMR 613 | Qi Gong I | 1 |
| | | 5 |

SEMESTER SEVEN

| | | |
|---------|-----------------------|---|
| AMR 624 | Qi Gong II | 1 |
| AMR 715 | Oriental Massage I | 2 |
| APT 621 | Auricular Acupuncture | 2 |
| | | 5 |

SEMESTER EIGHT

| | | |
|---------|--------------------|---|
| ABM 521 | Oriental Bot Med I | 2 |
| ATD 711 | East-West Path | 2 |
| AWB 621 | Ethics | 1 |
| | | 5 |

SUMMER SESSION – AFTER ND GRAD.

| | | |
|---------|---------------------|---|
| ACS 631 | Clinic Internship I | 8 |
| | | 8 |

FALL – AFTER ND GRADUATION

| | | |
|---------|----------------------|----|
| ABM 612 | Oriental Bot Med II | 2 |
| AMR 726 | Oriental Massage II | 2 |
| ACS 711 | Preceptorship I | 2 |
| ACS 712 | Clinic Internship II | 8 |
| | | 14 |

SPRING – AFTER ND GRADUATION

| | | |
|---------|----------------------------|----|
| ATD 715 | Oriental Internal Medicine | 2 |
| ACS 723 | Clinic Internship III | 8 |
| ACS 722 | Preceptorship II | 2 |
| | | 12 |

Total from Oriental Med Dept:

67 Credits/1,260 hours

+ Oriental Med I (from ND program)

71 Credits/1,404 hours

Total: 630 Clinical/774 Didactic

In Oriental Medicine

846 hrs. transferred from ND

JOINT ND/MS NUTRITION

Students who have completed the fifth se-

College of Naturopathic Medicine

mester of naturopathic studies with a 3.0 G.P.A. (QPR), and no outstanding grades of “D” or “F”, may be considered for recommendation by the Dean of the College of Naturopathic Medicine for entry into the Master’s program at an advanced level. They will enter the third semester of the Nutrition Program. They will be required to complete a total of 13 semester hours of nutrition courses (560F-560M) and receive 3 credits from the Botanical Medicine courses taken in the Naturopathic Program. Required courses can be completed within the four years of study toward the naturopathic degree. Coursework in the Nutrition program will cost the student additional fees per semester credit hour. For further details contact the University of Bridgeport Nutrition Institute.

Students in the naturopathic medical degree program will be granted transfer credits for the following nutrition courses:

| NUMBER | COURSE | CREDITS: |
|--------|--|----------|
| 560A | Pathophysiologic Basis of Metabolic Diseases | 4 |
| 560B | Biochemistry of Nutrition | 4 |
| 560C | Vitamins and Minerals | 4 |
| 560D | Clinical Biochemistry | 3 |
| 560E* | Assessment of Nutritional Status | 3 |
| | Total Nutrition Credits Granted | 18 |

*Course is waived. Botanical Medicine taken in the ND Program will replace 560E

Required Nutrition Courses to complete the MS in Nutrition for Naturopathic students:

| NUMBER | COURSE | CREDITS: |
|--------|---------------------------------|----------|
| 560H | Developmental Nutrition | 3 |
| 560F | Nutritional Therapeutics | 4 |
| 560M | Biostatistics | 3 |
| 560J | Research in Nutrition | 3 |
| | Total Nutrition Credits Granted | 13 |

Fones School of Dental Hygiene

Dean: Marcia Lorentzen
Health Sciences Center
60 Lafayette Street
Telephone: (203) 576-4138
Fax: (203) 576-4220
E-mail: marcia@bridgeport.edu

Director of Clinical Education: Laura Greco
Health Sciences Center
Telephone: (203) 576-4838
E-mail: marcia@bridgeport.edu

Online Coordinator: Wendy Garcia
Health Sciences Center
Telephone: (203) 576-4141
E-mail: wendyg@bridgeport.edu

Faculty: Cianciola, Garcia, Greco, Kennedy,
Lorentzen, Minihan-Anderson, Paulis,
Risom, Stramoski, Williams, Zayan

Office of Distance Education
126 Park Avenue, Bridgeport, CT 06604
Telephone: 1 (800) 470-7307
E-mail: ubonline@bridgeport.edu
Website: www.bridgeport.edu/academics/undergraduate/dentalbs/options

Degree Programs

Dental Hygiene (A.S., B.S., B.S. Degree Completion, M.S.D.H.)

Description

The Fones School of Dental Hygiene, established in 1949 at the University of Bridgeport, was named for Dr. Alfred Civilion Fones, the dentist who was instrumental in creating the profession of dental hygiene in 1913. Accredited since the American Dental Association publication of September, 1953, the Fones program is in full accord with the principles established by the Commission on Dental Accreditation, a specialized accrediting body recognized by the Council on Post-Secondary Accreditation and the United States Department of Education. The graduate is eligible for National, Regional, and State examinations in each of the fifty United States, and students earning the Associate's degree may apply their credits towards a Bachelor's degree.

Accreditation

The A.S. and B.S. degree programs in Dental Hygiene are both licensed and accredited

by the State of Connecticut Department of Higher Education and the New England Association of Schools and Colleges.

Qualifications for Admissions

The following physical qualifications are required for participation in the Associate degree program at the UB Fones School of Dental Hygiene. These qualifications are essential for the preparation of AS Degree in Dental Hygiene. Students at the School must be able to perform at a high level of competency in all phases of classroom, clinic, and laboratory activities as they will ultimately use the knowledge attained as dental hygienists.

Applications for admittance to the A.S. and B.S. degree programs are received on individual merit. Applicants who show potential for the dental hygiene program, but do not meet criteria may be offered entrance into pre-dental hygiene.

The applicant student must process:

1. Critical thinking ability sufficient for judgment during clinical activities.
2. Communication abilities for effective interaction verbally and in written form with patients and other members of the health care team.
3. Coordination and use of both upper and lower limbs as required for, among other skills, the performance of dental hygiene clinical procedures and emergency skills such as cardiopulmonary resuscitation.
4. Manual dexterity necessary for performance in the various clinical, dental laboratory, and basic science laboratories without posing a threat to her/himself patients, or her/his fellow students' safety and well-being.
5. Hearing and visual abilities, appropriately assisted, acute enough to allow the individual recordation of patient histories, to provide routine safety instructions, and perform stethoscopic and other auscultatory examinations, and to read all forms of diagnostic imaging so that she/he can adequately interpret normal, abnormal, and pathologic changes.
6. Freedom from communicable diseases sufficient for rendering safe and effective dental hygiene care.

7. Ability to obtain a dental hygiene license as some states deny licenses for certain prior felony convictions.

Applicants with disabilities will neither be summarily denied admission, nor will higher scholastic requirements be demanded of them. All persons to be eligible for acceptance to the School must be capable of demonstrating upon request their ability to perform classroom, laboratory, and clinical assignments, including microscopic work, x-ray interpretation and techniques, or the equivalent, pass written, oral, and practical examinations and meet all of the requirements of the School as they evolve.

It is the responsibility of the applicant/student to assess compliance with these requirements. By submitting an application to the University of Bridgeport, Fones School of Dental Hygiene, the applicant is confirming their ability to meet qualifications for entrance into the Fones School of Dental Hygiene program.

General Criteria for the A.S. and the B.S. Degree in Dental Hygiene

The two year basic core curriculum of the Fones School combines courses from the College of Arts and Sciences and the Fones School of Dental Hygiene to provide a broad educational preparation. In addition to basic and dental science theory, the program provides education in preventive service and dental health education.

During the second year, the students receive clinical education at the Fones Dental Health Center on campus, and through assignments to the clinical and educational facilities of school dental health programs, hospitals and community agencies. These assignments are directly supervised by Fones faculty. Students are responsible for providing their own transportation to community agencies.

A student who earns a grade of C- or below in a course in the major field, must obtain a written statement from the School Director specifying the procedure necessary to remedy the deficiency and remain in the major.

Enrollment in the second year is contingent on completing all first year requirements and achieving a QPR of 2.0.

Fones School of Dental Hygiene

Education at the baccalaureate level enhances the dental hygienists' opportunities, abilities, background and values. The professional dental hygiene curriculum is combined with a liberal arts education. Upon satisfactory completion of 120-125 credits in the areas of study specified, the student will be recommended for the degree of Bachelor of Science in Dental Hygiene.

Students in the Bachelor of Science degree (B.S.) may integrate the Bachelor's courses with the clinical aspect of the Dental Hygiene curriculum or pursue a Baccalaureate degree (B.S.) after completing clinical preparation at the Associate in Science Certificate Level. This Baccalaureate degree completion approach is available to Fones' students and graduates of a Dental Hygiene program that is accredited by a specialized accrediting agency recognized by the Council on Post Secondary Accreditation and the United States Department of Education.

All courses listed in the major program section of the catalog for the Associate in Science and/or Bachelor of Science degree are required for graduation. The majority of Dental Hygiene courses may be taken during the regular academic year.

Dental Hygiene Bachelor of Science Degree Online Program

The online B.S. in Dental Hygiene from The Fones School of Dental Hygiene at the University of Bridgeport offers an opportunity for dental hygienists to further their education beyond the A.S. degree. Dental hygienists traditionally begin their professional work following completion of the A.S. degree. The University of Bridgeport's B.S. in Dental Hygiene online degree program makes it possible for dental hygienists to work toward a degree at any time, from anywhere in the world. The program is perfectly suited to adult learners who have the discipline for part-time, self-directed study under the guidance of qualified faculty in their field. The BSDH Online Program is identical to the on-campus degree completion program and is designed to be completed entirely online.

Students who hold an A.S. or certificate in Dental Hygiene from an institution ac-

credited by the American Dental Association Commission on Dental Accreditation are eligible for admission. A maximum of 72 credits from accredited two-year colleges and 90 credits from accredited four-year institutions. The program consists of 120 credit hours which include applicable transfer credits (60-90 credit hours), general education courses (40 credit hours), dental hygiene courses (22 credit hours), and elective courses (12 credit hours). The last 30 credit hours must be completed through the University of Bridgeport. The general education courses include University Core Requirements in English, Math, Fine Arts, Integrated Studies, Humanities, Natural Science, Social Science, and Capstone Seminar.

Students who are graduates of the Fones School of Dental Hygiene, need not re-apply for admission. A re-admittance form, available on the website, needs to be completed and forwarded to the Office of Distance Education.

Students may take 2 online courses per 8-week session, which is equivalent to 12 credits per semester. As a new online student, a one-week New Student Orientation course is offered prior to the start of each 8-week session at no charge. Financial aid is available for qualified students taking at least 6 credits per semester.

Please visit <http://www.bridgeport.edu/academics/undergraduate/dentalbs/options> for additional information and an Application Form to download. You will be directed to request Official Transcripts from all schools attended – these are required in order to consider your acceptance into the program, as well as to evaluate courses taken previously and apply transfer credits to the course of study for the Bachelor's Degree in Dental Hygiene.

INSTRUCTIONAL FORMAT

The online B.S. in Dental Hygiene is offered in a format that makes classes available 24 hours and day, 7 days a week. Courses are designed for working professionals and can be completed entirely online, from home or at work. Our online instructors are practicing professionals or UB faculty members — experienced educators who are your partners in a dynamic and interactive educational environment. The online interaction

is designed to encourage thoughtful and well-prepared discussions based on both students' command of the coursework and their personal experiences.

To participate in UB's distance education program, you must own or have regular access to a computer with an Internet connection and an e-mail account. You should be comfortable with using e-mail, sending and receiving attachments, and Web browsing.

MINIMUM COURSE REQUIREMENTS

- A PC or Mactintosh system
- Windows 95/98 or higher, Mac OS 9 or higher
- Word processor, printer, CD-ROM
- Reliable Internet access
- E-mail
- web camera/microphone

ONLINE ORIENTATION

All students participate in an online orientation prior to beginning the program. During the orientation, students are given instructions on how to navigate the Blackboard course management system, strategies for being a successful online student, and access to other University resources, including the Wahlstrom Library's electronic databases. Successful completion of the orientation is required of all new students in the online program.

PROGRAM REQUIREMENTS

| NUMBER | COURSE | CREDITS |
|-----------|------------------------------|---------|
| DHYG 301 | Dental Hygiene Practice | 3 |
| DHYG 302 | Instructional Strategies | 3 |
| DHYG 303 | Advanced Clinical Concepts | 3 |
| DHYG 304 | Dental Hygiene Internship | 3-6 |
| DHYG 305 | Dental Hygiene Research I | 3 |
| DHYG 306 | Dental Hygiene Research II | 4 |
| DHYG 400 | Statistical Reasoning | 3 |
| MKTG 305 | Principles of Marketing | 3 |
| HUM | Humanities Core | 6 |
| FA | Fine Arts Core | 3 |
| SOSC | Social Science Core Elective | 3 |
| CAPS C390 | Capstone Seminar | 3 |
| | Electives | 12 |

for more information, see page 83

Fones School of Dental Hygiene

Dental Hygiene Master of Science Degree

Purpose and Objectives

The main purpose of the Master's Degree in Dental Hygiene is to prepare registered dental hygienists for leadership roles in the areas of education, administration, public health and dental hygiene practice. This commitment is met within a multidisciplinary framework that inter-relates theory, research, and practical experience. The program seeks to educate its students to develop and conduct research that adds to the body of knowledge that advances the mission of dental hygiene. By providing a high level of professional education, the program will produce graduates with critical thinking and commitment to the service of others. Through academic courses, independent study, research and practical experience, graduate candidates are prepared to meet the present demand for dental hygiene leaders, practitioners, educators, oral health promoters, administrators/managers and researchers.

The objectives of the proposed Master's degree program are to:

- Develop expertise in a specialized area of dental hygiene.
- Expand knowledge and skills to support advanced dental hygiene practice and role development in preventive and therapeutic oral health services.
- Expand knowledge in oral health promotion and education related to a specific functional role in dental hygiene.
- Develop managerial and administrative skills.
- Contribute to the dental hygiene scientific body of knowledge
- Acquire initial competence in conducting oral health research.
- Further develop and implement leadership strategies for the betterment of oral healthcare.
- Participate in graduate dental hygiene internship experiences in educational settings, rural areas, industry and community outreach sites.

- Build a foundation for future doctoral education.

Admissions Policies

To qualify for admission, the applicant must possess a certificate or associate degree from an accredited dental hygiene program and a baccalaureate degree in dental hygiene or related field. The applicant must have an overall quality point average of at least 3.0 on a 4 point scale in undergraduate education. Dental Hygiene National Board Examination Score, completed recommendation forms from a previous clinical supervisor and dental hygiene program director, two recommendations from academic sources, a statement of career goals, and official transcripts of all college work must also be submitted.

Dental Hygiene Education: This specialization provides a theoretical and practical approach to instructional strategies and their application to dental hygiene education. Emphasis is on higher education, instructional technology, instructional development, implementation and evaluation, and the role and responsibilities of faculty within an accredited, professional program affected by internal and external constituencies.

Dental Public Health: This area of specialization provides an in-depth study of interdisciplinary oral healthcare in diverse community health settings. Emphasis is placed on the leadership roles of the dental hygienist in promoting health through the assessment of community oral health needs and the planning, implementing, and evaluating of population-based health programs.

Each of the two (2) components of the program requires the completion of a Master's Thesis.

Students can complete the program either part-time or full-time, completing 36 credits within one calendar year for a full time matriculated student or up to five years part time.

Curriculum

| NUMBER | COURSE | CREDITS |
|--------------------------|---------------------------------------|---------|
| CORE REQUIREMENTS | | |
| DHYG 400 | Statistical Reasoning | 3 |
| DHYG 500 | Leadership in Dental Hygiene | 3 |
| DHYG 501 | Grant and Contract Writing | 2 |
| DHYG 502 | Evidence Based Research | 3 |
| DHYG 507 | Dental Health Services Administration | 3 |
| DHYG 510 | Foundations of Health Care Management | 3 |
| DHYG 516 | Concentrated Practicum | 3 |
| DHYG 520 | Master's Thesis | 4 |

And one of the following specializations:

DENTAL HYGIENE EDUCATION

| | | |
|----------|--|---|
| DHYG 503 | Clinical and Didactic Educational Concepts | 3 |
| DHYG 504 | Clinical / Laboratory Teaching | 3 |
| DHYG 505 | Didactic Student Teaching | 3 |
| DHYG 508 | Curriculum Development and Management | 3 |

DENTAL PUBLIC HEALTH

| | | |
|-----------|---------------------------------|---|
| DHYG 509 | Dental Public Health | 3 |
| DHYG 511 | Epidemiology | 3 |
| DHYG 513 | Seminar in Public Health Issues | 3 |
| NUTR 560H | Developmental Nutrition | 3 |

SUGGESTED CURRICULUM SEQUENCE

FIRST YEAR

Summer:

| | |
|----------|---------------------------------------|
| DHYG 500 | Leadership |
| DHYG 507 | Dental Health Services Administration |

Fall:

| | |
|----------|--------------------------------------|
| DHYG 502 | Evidence-based Research |
| DHYG 510 | Foundations of Healthcare Management |

Spring:

| | |
|----------|---|
| DHYG 400 | Statistical Reasoning |
| DHYG 508 | Curriculum Development and Management (Education Track) |
| DHYG 509 | Dental Public Health (Public Health Track) |

SECOND YEAR

Summer:

| | |
|----------|--|
| DHYG 516 | Concentrated Practicum |
| DHYG 503 | Clinical and Didactic Educational Concepts (Education Track) |
| DHYG 511 | Epidemiology (Public Health Track) |

Fones School of Dental Hygiene

Fall:

DHYG 504 Clinical and Laboratory Student Teaching
(Education Track)

DHYG 505 Didactic Student Teaching (Education Track)

DHYG 513 Seminar in Public Health Issues
(Public Health Track)

NUTR 560H Developmental Nutrition
(Public Health Track)

Spring:

DHYG 501 Grant and Contract Writing

DHYG 520 Master's Thesis Preparation

After completing the two years of course work the Master's Degree Candidate will continuously register for DHYG 521 Thesis Extension (1 credit) until the thesis has been successfully written and defended. Upon successful defense the masters student will then apply for graduation.

FOR MORE INFORMATION

Office of Admissions

Leanne Proctor

Director of Graduate Admissions

Telephone: (203) 576-4108

Email: lproctor@bridgeport.edu

FOR MORE INFORMATION

Office of Distance Education

126 Park Avenue, Bridgeport, CT 06604

Phone: 1 (800) 470-7307

Email: ubonline@bridgeport.edu

Website: www.bridgeport.edu/academics/undergraduate/dentalbs/options

Nutrition Institute

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Faculty: Kandler

Degree Program

Human Nutrition (M.S.)

Mission Statement

The mission of the human nutrition program is to prepare graduates to positively influence and support specific health challenges and promote overall well-being by integrating biochemical and physiological science knowledge with evidence-based strategies that link to integrative and preventative nutrition-based interventions.

Program Objectives

The Human Nutrition Institute:

1. **Provides** access to a well-known, respected, comprehensive graduate degree program in nutrition by offering weekend and online programs that avoid interrupting work schedules
2. **Cultivates** awareness of nutritional science and clinical intervention practices that enhance student learning and advance the principles of the profession
3. **Fosters** collaborative relationships within the division of health sciences, university and community that provide opportunities to integrate the benefits of nutrition
4. **Supports** alumni with resources and opportunities for lifelong learning and career enhancement
5. **Facilitates** competency development through new innovations in curriculum delivery and expanded content

Accreditation

The Human Nutrition Program is licensed and accredited by the Connecticut Board of Governors for Higher Education and the Commission on Institutions of Higher Education, New England Association of Schools and Colleges, Inc.

Learning Outcomes

The UB Human Nutrition Institute graduates will:

1. Promote and support awareness of the benefits of optimal nutrition to health and overall well-being
2. Integrate biochemical and physiological science knowledge with nutritional evidence-based interventions and competent decision-making to prevent, positively influence and support various health challenges
3. Exhibit professional behavior that is ethical, collaborative, and culturally sensitive
4. Exhibit professional behavior that is ethical, collaborative, and culturally sensitive

ADMISSIONS REQUIREMENTS

Applicants should have a baccalaureate degree from an accredited college or university with a GPA of 3.0 or above and course work in human anatomy and physiology (6 credits minimum), introductory biochemistry (4 credits minimum), and basic nutrition (2 credit minimum). This coursework must be from a US Dept of Education regionally accredited college or university. If an applicant has completed a minimum of 8 credits of organic chemistry with laboratory, the biochemistry pre-requisite requirement may be waived at the discretion of the program director. Please note that transfer credit for the core pre-requisite courses listed above that have been taken longer than 10 years ago will only be accepted at the discretion of the program director. Acceptance will be determined by academic performance history and demonstration of application of course-specific content through continued professional or academic experience. Core pre-requisite classes taken longer than ten years previous to application will not automatically be trans-

ferable. The baccalaureate requirement may be waived for certain licensed health practitioners holding doctoral degrees from accredited professional programs. The deadline for an applicant to have a completed folder for guaranteed admissions consideration is:

November 1st for January admission

June 15th for September admission

A complete folder consists of a completed application, official transcripts from all colleges and universities attended, 2 letters of recommendation, and a detailed personal statement addressing why you are seeking this degree.

Accelerated Entry into the Master's Degree Program

MDs, DCs, DOs, NDs, DDSs, etc. may qualify for advanced standing for several classes in the masters programs at the discretion of the program director following review of medical school transcripts. Advanced standing students will begin the program in either fall, spring or summer dependent upon their first required course.

Registration Requirements

Campus students are required to register with the Nutrition Institute on or before the first day of classes. Distance Learning students can register for courses through the distance learning website.

Degree Requirements

Degree candidates must complete the courses listed in the 41 credit curriculum with a minimum grade point average of 3.0 (B average). All students are required to pass a comprehensive examination at the completion of all coursework in order to graduate. All degree requirements are to be completed within a five year period from start date of their first masters course. A research project (thesis) is an elective option.

Nutrition Institute

Pre-Requisite Courses for Human Nutrition Program

Undergraduate course work is required in human anatomy and physiology (6 credits minimum), introductory biochemistry (4 credits minimum), and basic nutrition (2 credit minimum). The University offers the prerequisites, Anatomy and Physiology (6 cr, Nutr121) Introduction to Biochemistry (4 cr, Nutr122), and Basic Nutrition, (2 cr, Nutr 123) twice annually both on-campus and on-line, commencing in April and August. A minimum grade of B is required in each pre-requisite course in order to receive credit for entry into the Master's degree program.

Joint Programs

Joint programs with the UB Colleges of Chiropractic and Naturopathic Medicine have been established to allow students to pursue the M.S. degree in Human Nutrition while working on the D.C. or N.D. degree. Students who have completed the fifth semester of chiropractic or naturopathic studies, with a 3.0 GPA or above, may be recommended by their respective deans for entry into the Master's program at an advanced level. UB also offers a joint campus program with the Acupuncture Institute.

Joint DC/MS Program

Students from the UB College of Chiropractic will enter the second semester of the Nutrition Program. They will be required to complete a total of 24 semester hours of required nutrition courses as specified in their admission letter.

Joint ND/MS Program

Students from the UB College of Naturopathic Medicine will enter the third semester of the Nutrition Program. They will be required to complete a total of 16 semester hours of required nutrition courses as specified in their admission letter.

Prerequisite Human Nutrition Curriculum

| | | |
|----------|--|---|
| NUTR 121 | Anatomy and Physiology | 6 |
| NUTR 122 | Introduction to Organic and Biochemistry | 4 |
| NUTR 123 | Nutrition Seminar | 2 |

Master of Science Curriculum

| | | |
|-----------|---|----------|
| NUTR 560A | Pathophysiologic Basis of Metabolic Disease | 4 |
| NUTR 560B | Biochemistry of Nutrition | 4 |
| NUTR 560C | Vitamins and Minerals | 3 |
| NUTR 560E | Nutrition Assessment | 3 |
| NUTR 560D | Clinical Biochemistry | 3 |
| NUTR 560G | Lifelong Healing with Food | 4 |
| NUTR 560H | Developmental Nutrition | 3 |
| NUTR 560I | Functional Medicine Nutrition | 3 |
| NUTR 560F | Nutritional Therapeutics | 4 |
| NUTR 560M | Evidence Based Nutrition | 3 |
| NUTR 560P | Botanical Medicine | 3 |
| NUTR 560K | Virtual Clinic | 4 |
| | | <hr/> 41 |

Elective Courses-non required except for dual degree students

| | | |
|-----------|--------------------------------------|---------|
| NUTR 560L | Nutrition and Exercise | 3 |
| NUTR 560T | Nutrition and Autism | 3 |
| NUTR 560Q | Nutrition and Cancer | 3 |
| NUTR 560J | Research in Nutrition Project/Thesis | 3 |
| | | <hr/> 9 |

MS NUTRITION INSTITUTE PROGRAM POLICY AND GUIDELINES 08-30-13

THE PROGRAM

The Human Nutrition Program at the University of Bridgeport is accessible to students with busy schedules. Classes are held online via the interactive Canvas system or via weekend only campus classes. The program is designed to be completed in 28 consecutive months if two classes are taken per cycle. Graduation is contingent upon completing the program and passing the comprehensive exam within 5 years from program start date. Students must remain in the program they enrolled in (online or on campus). UB does require some courses to be taken online by all students.

ATTENDANCE CAMPUS WEEKEND FORMAT

Each class period represents 20% of a four credit course or 25% of a three-credit course. Class attendance and participation are indispensable parts of the educational process that are required throughout the program. Since classes only meet 4 or 5 times, de-

pending on whether the course is 3 or 4 credits, it is imperative that students attend class. In the event of absence due to illness or family emergency, please notify the Assistant Director and the instructor immediately. If more than one class is missed during the semester for either a 3 or 4 credit course you will receive a failing grade for the class and will have to repeat it. This includes absences for illness. Make-up examinations due to absence **WILL NOT** will not be permitted without an approved legitimate excuse with full documentation (see makeup policies) and will result in a grade of zero for that exam. Students **ARE NOT PERMITTED** to leave class prior to 5pm unless prior authorization is received from the Assistant Director and this would require the same guidelines for approval as an absence. Prior approval must be sought during normal administration business hours Monday – Friday. Those who leave class early without prior approval or subsequent documentation of illness or emergency that meet the guidelines specified under makeup policies below will be penalized with a 20% grade deduction on their course grade.

MAKE-UP POLICIES WEEKEND CAMPUS AND ONLINE FORMAT

Make-up examinations and assignments will not be permitted without a legitimate excuse or prior approval from the instructor and assistant director and will result in a grade of zero. An acceptable excuse for prolonged illness, or family emergency, entitling a student to a make-up examination, requires a legitimate detailed doctor's note (with diagnosis) by a U.S. licensed physician or official documentation of family emergency, which must be submitted to the Program Assistant Director and approved. Please note that only one make-up examination is allowed per course regardless of instructor approval. Missed exams must be taken before the next scheduled examination and may be modified and made more difficult by the instructor. Make-ups will not be granted for reasons of personal convenience, such as traveling, weddings and vacations.

GRADING POLICY

Online exams are timed. Your syllabus should define for you the time limit on the

Nutrition Institute

exam as well as when you log onto Canvas to complete it. You are permitted to log onto the exam only ONCE and complete it in the required time frame. Students cannot log in and out of exams. Once submitted, the exam cannot be accessed again. Time limits set by the professors must be adhered to. Students who exceed the time limit on the exam, (this is reported to the instructor automatically) will receive a grading penalty equal to the percentage of excess time they took. For example, if an exam was scheduled for 60 minutes and the student took 66 minutes to complete it, they would have exceeded the exam time by 10%. Therefore their exam grade would be penalized 10% of the total possible points for the exam. If exam was 100 points, then 10% would equal a 10 point deduction. Repeated violations of exam time may result in further grading penalties and will be reported to the program assistant director for review.

FRAGRANCE FREE POLICY ON CAMPUS

Many individuals are sensitive to perfumes and other scents (such as scented oils, scented laundry soaps, scented deodorants, etc.) and have adverse health reactions upon exposure. In order to maintain an environment that is conducive to health and learning for all students and faculty members in the classroom, the Nutrition Institute has a "fragrance free" policy. The use of products that produce a noticeable odor and/or cause an adverse health reaction in other individuals is prohibited. The use of such fragrances while attending class will be considered as a Violation of the Rules of Conduct.

PLAGIARISM POLICY

Plagiarism is taken very seriously in the program. The UB policy on plagiarism can be found in the student handbook, Ch 2 at: <http://www.bridgeport.edu/life/services-forstudents/key.aspx>

Students are also highly encouraged to take the on-line tutorial in avoiding unintentional plagiarism at <http://www.indiana.edu/~istd/>

Please be advised that UB faculty have access to "Turn It In" software which scans electronically for plagiarism from any published source and your assignments and

discussion board posting may be screened using this tool.

Ethics Statement of Confidentiality

Students enrolled in the program are expected to honor confidentiality as it pertains to student disclosure. Shared information, comments, or opinions expressed by another student or the faculty member during the course of classroom discussion should never be used in a manner which is intended to humiliate, embarrass, harass, damage, or otherwise injure other students in their personal, public, or business lives. In addition, confidentiality must be upheld by not disclosing any information that would identify any particular individual

WITHDRAWAL FROM A COURSE

Withdrawal from a course should be made after consultation with the course professor and the Assistant Program Director. A request to withdraw from a course must be made in writing. Only an official withdrawal will result in a grade of W, instead of F, for the course and prorated refund of tuition based on published UB policy. A student who stops attending a course without withdrawing will earn a grade of "F" for the course and will be ineligible for tuition refund.

Withdrawal and Tuition Refund Schedule

All University fees are non-refundable.

NUTRITION ONLINE FORMAT AND ON CAMPUS FORMAT:

The percentages listed below are what is due to the University based on when the student withdraws from a course.

| | |
|-------------------------|-----------|
| Before 1st Day of Class | 100% |
| Before 2nd Session | 100% |
| Before 3rd Session | 75% |
| Before 4th Session | 50% |
| After 4th Session | No Refund |

Verbal notification will **NOT** be accepted as an official withdrawal from class. Writ-

ten verification must be forwarded to the Nutrition Institute and also the University of Bridgeport, Registrar's Office, 126 Park Avenue, Bridgeport, CT 06604. Withdrawals may also be completed online at www.bridgeport.edu/webadvisor

FINANCIAL AID

The Human Nutrition Program is considered full-time for financial aid and loan deferment purposes. Subsidized and unsubsidized Federal Stafford Loans are available for qualified students who register for a minimum of six credits each semester. The Free Application for Federal Student Aid (FAFSA) and a University of Bridgeport Financial Aid Application must be completed. Many employers offer scholarships and /or tuition reimbursement programs. Contact the Financial Aid Office at (203) 576-4568 or sfs@bridgeport.edu for more information.

EVALUATION AND GRADING

The GPA is determined based on the following scale.

A = 4.00, A- = 3.67, B+ = 3.33, B = 3.00, B- = 2.67, C+ = 2.33, C = 2.00, C- = 1.67, D+ = 1.33, D = 1.00, I = Incomplete, W = Withdrawal, R = Research in progress.

Any course with a grade of C- or a numerical grade of 73 or less must be repeated to earn graduate credit. Other courses may be repeated if the student needs to raise the GPA. When a course is repeated, only the second grade will be used to calculate the GPA. Tuition must be paid again for all classes that are required to be re-taken (no exceptions). Evaluation and grading are the responsibility and province of the professor. All students in a course will be graded consistently or equivalently. Students may be penalized for late or missed work. Questions regarding grades should be addressed to the course professor.

GRADE DISPUTES

A disputed grade may be appealed in writing as follows:

First Appeal: Directly to the instructor within 30 days of receipt of grade

Second Appeal: To Assistant Director of Nutrition Institute

Nutrition Institute

Third Appeal: To Director of Nutrition Institute/Vice Provost of Health Sciences

Final Appeal: To the Provost

TRANSFER CREDITS

The Program Director, with the Dean's approval, may allow up to six semester hours (eight hours in the case of laboratory courses) of **graduate** transfer credits from a regionally accredited college or university. The courses being considered for transfer must have been completed within the past seven years, with a grade of "B" or better, and be comparable to the University of Bridgeport's graduate courses. Physicians (i.e.: medical, osteopathic, chiropractic, naturopathic, etc.) may request advanced standing for 560A and 560B. However, many choose to take 560B (Biochemistry) if they have not had the course in many years, as a review and preparation for course 560D (Clinical Biochemistry). Advanced transfer credit for physicians will only be granted for courses where a grade of "B" or better was achieved.

INCOMPLETE COURSEWORK

An "I" (Incomplete) designates incomplete work at the time of grading for reasons beyond the control of the student, fully documented, and corresponding to UB makeup policies as stated above, and determined to be bona-fide by the instructor and the Assistant Program Director. If approved by the assistant director and the instructor, incomplete coursework must be completed by the end of the semester immediately following the one in which the incomplete was granted. If the work has not been completed and no grade has been submitted as indicated, the grade automatically becomes F. **STUDENTS WHO ARE FAILING A COURSE ARE NOT PERMITTED TO TAKE AN INCOMPLETE AND REPEAT THE COURSE TO ATTAIN A NEW GRADE. A GRADE OF "F" WILL BE ISSUED AND THE COURSE WILL HAVE TO BE REPEATED BY RE-REGISTERING FOR THE COURSE.**

GOOD ACADEMIC STANDING PROBATION AND SEPARATION

Good academic standing is achieved when a student maintains a 3.0 GPA. If the GPA drops below 3.0, the student will be placed

on academic probation. A student, who receives a **second** grade of "D" or "F" in any course, or is placed on probation in two different semesters, will be separated from the program. In cases of academic probation, the student should consult with the Program Assistant Director for advice and planning to raise the GPA. In cases of separation from the program, a student may make a written appeal to the Director within ten days of the notification of separation. If an appeal is granted, the student will remain on academic probation and his progress will be monitored periodically during the semester.

RESEARCH IN NUTRITION – COURSE 560J

The research project can be taken as an elective, and is not required, as part of the Human Nutrition Program. The project can be a literature-based study or an original research project. Students have one semester to complete the project before incurring a fee. If thesis completion exceeds the one semester limit, the student must maintain continuous matriculation by registering for ADMIN 600, each semester, until the thesis has been completed.

Graduation Requirements

The minimum number of credits required for graduation is 41; the minimum GPA required is 3.0. Students are expected to complete class work for the degree within five years of initial enrollment in the program.

Successful completion of ALL sections of the comprehensive competency examination is required for graduation. **This examination and all required re-takes** are given on-site on the UB campus on a **Saturday** (exact dates published several months prior to each examination) and **will not be given by proctor at other sites or on alternate days of the week (no exceptions)**. If you cannot take examinations on a Saturday for any reason please consider the above policy **before** entering the program. Study guides and sample questions will be available to all students eligible to sit the examination by the distance learning department. Any sections that are not successfully completed must be **re-taken on the UB campus** at assigned dates. Only two attempts will be allowed without remediation, as assigned by the program director.

Physician Assistant Institute

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Secretary: Christine Curley
Eleanor Dana Hall
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Director of Admissions: Leanne Proctor
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E-mail: lproctor@bridgeport.edu

Faculty: D. Cervonka, S. Kunkel, M. Petersen, M. Taafel, D. Solimini

The University of Bridgeport Physician Assistant Institute is committed to the development of highly qualified physician assistants who will serve as tomorrow's leaders in the delivery of patient centered health care, educational and professional service. An understanding of the importance of integrated medicine and an appreciation of global health issues will be woven into all phases of our curriculum

Degree

Master of Science: Physician Assistant

Accreditation

The University of Bridgeport Physician Assistant Institute received provisional accreditation from the Accreditation Review Committee for Physician Assistant Education. All

students graduating from a provisionally accredited program are eligible to sit for the national certification examination.

Provisional Accreditation is an accreditation status granted by ARC-PA for a limited, defined period of time to a new PA program that has demonstrated its preparedness to initiate a program in accordance with the Accreditation Standards for Physician Assistant Education.

Provisional Accreditation does not ensure any subsequent reaccreditation status. The program will be reevaluated in 2013 for full accreditation status.

Mission Statement

The mission of the University of Bridgeport Physician Assistant Institute is to develop clinicians with: dedication to patients; commitment to life-long education; respect for the profession; a global perspective on health care; volunteerism as a professional core value and an integrative approach to practice for the benefit of all patients. This mission to educate the physician assistant is reflected in our motto: *Adivare, Mederi, Communiter; TO HELP, TO HEAL, TOGETHER.*

Curriculum

The physician assistant curriculum is comprised of a rigorous 28 month Master of Science Program. The goals and objectives of our program are guided by the criteria set forth in the Standards and Guidelines for an Accredited Educational Program for the Physician Assistant as established by the Accreditation Review Commission on education for the Physician Assistant (ARC-PA). The first four terms are made up of primarily classroom instruction. The intensity of our didactic curriculum is matched by the rigor of the clinical phase of the program and the unique relationship that we have with the St. Vincent's Medical Center and many community medical practices. The didactic phase of our curriculum provides a comprehensive background in the basic and clinical sciences which includes courses in human anatomy and physiology, microbiology, genetics, pharmacology, history taking and physical examination, clinical medicine, procedural skills, medical ethics, global medicine, integrative medicine and patient education and counseling. Course content is presented through traditional lecture, blended instruc-

tion, case based and hands on skills labs. The curriculum is overseen by primary faculty and may include University of Bridgeport basic science and health professional faculty, practicing physician assistants, physicians and providers who have the expertise in their respective specialty. The clinical year exposes the student to the areas of family practice, internal medicine, pediatrics, obstetrics and gynecology, emergency medicine, general surgery and psychiatry. The student is also given the opportunity to choose two electives in an area of interest. The didactic and clinical phases of curriculum are designed to enable the student to acquire proficiency in the competencies of the physician assistant.

Program Objectives

In the design of the curriculum and clinical experiences it is the goal of the Physician Assistant Institute:

To develop self motivated and high quality graduates committed to self discovery and self assessment through the application and evaluation of clinical practice obtained through critical evaluation of the medical literature.

To develop highly competent Physician Assistants evidenced by the ability to transfer knowledge from the classroom and clerkship experience to graduate clinical performance through:

- Successfully passing the National Certifying examination
- Acquisition and application of the basic and clinical sciences
- Understanding the diversity amongst patients, ideas, perceptions of care, and culture while respecting the values associated with their ethnicity, sexual orientation and background.
- Developing an appreciation for patient preferences and the diversity of the treatments and healers they seek.
- The ability to implement effective communication skills to colleagues, patients and families they encounter to improve patient care and outcome.

To develop a solid professional value system, committed to life-long learning, professional development and advocacy for the profession.

It is the intention of the University of Bridgeport, Faculty of Health Science and the Phy-

Physician Assistant Institute

Physician Assistant Institute to endeavor to communicate these goals through our teaching, role modeling and clinical practice.

Competencies for the Physician Assistant Profession

Preamble

In 2003, the National Commission on Certification of Physician Assistants (NCCPA) initiated an effort to define PA competencies in response to similar efforts being conducted within other health care professions and growing demand for accountability and assessment in clinical practice. The following year, representatives from three other national PA organizations, each bringing a unique perspective and valuable insights, joined NCCPA in that effort. Those organizations were the Accreditation Review Commission for Education of the Physician Assistant (ARC-PA), the body that accredits PA educational programs; the Association of Physician Assistant Programs (APAP), the membership association for PA educators and program directors; and the American Academy of Physician Assistants (AAPA), the only national membership association representing all PAs.

The resultant document, *Competencies for the Physician Assistant Profession*, is a foundation from which each of those four organizations, other physician assistant organizations and individual physician assistants themselves can chart a course for advancing the competencies of the PA profession.

Introduction

The purpose of this document is to communicate to the PA profession and the public a set of competencies that all physician assistants regardless of specialty or setting are expected to acquire and maintain throughout their careers. This document serves as a map for the individual PA, the physician-PA team and organizations that are committed to promoting the development and maintenance of these professional competencies among physician assistants.

The clinical role of PAs includes primary and specialty care in medical and surgical practice settings. Professional competencies for physician assistants include the effective and appropriate application of medical knowledge,

interpersonal and communication skills, patient care, professionalism, practice-based learning and improvement, systems-based practice, as well as an unwavering commitment to continual learning, professional growth and the physician-PA team, for the benefit of patients and the larger community being served. These competencies demonstrated within the scope of practice, whether medical or surgical, for each individual physician assistant as that scope is defined by the supervising physician and appropriate to the practice setting.

In 1999, the Accreditation Council for Graduation Medical Education (ACGME) endorsed a list of general competencies for medical residents. NCCPA's Eligibility Committee, with substantial input from representatives of AAPA, APAP and ARC-PA, has modified the ACGME's list for physician assistant practice, drawing from several other resources, including the work of Drs. Epstein and Hunderdt; research conducted by AAPA's EVP/CEO, Dr. Steve Crane; and NCCPA's own examination content blueprint.

The PA profession defines the specific knowledge, skills, and attitudes required and provides educational experiences as needed in order for physician assistants to acquire and demonstrate these competencies.

MEDICAL KNOWLEDGE

Medical knowledge includes an understanding of pathophysiology, patient presentation, differential diagnosis, patient management, surgical principles, health promotion and disease prevention. Physician assistants must demonstrate core knowledge about established and evolving biomedical and clinical sciences and the application of this knowledge to patient care in their area of practice. In addition, physician assistants are expected to demonstrate an investigatory and analytic thinking approach to clinical situations. Physician assistants are expected to:

- understand etiologies, risk factors, underlying pathologic process, and epidemiology for medical conditions
- identify signs and symptoms of medical conditions
- select and interpret appropriate diagnostic or lab studies
- manage general medical and surgical conditions to include understanding

the indications, contraindications, side effects, interactions and adverse reactions of pharmacologic agents and other relevant treatment modalities

- identify the appropriate site of care for presenting conditions, including cases and those requiring referral or admission
- identify appropriate interventions for prevention of conditions
- identify the appropriate methods to detect conditions in an asymptomatic individual
- differentiate between the normal and the abnormal in anatomic, physiological, laboratory findings and other diagnostic data
- appropriately use history and physical findings and diagnostic studies to formulate a differential diagnosis
- provide appropriate care to patients with chronic conditions

INTERPERSONAL & COMMUNICATION SKILLS

Interpersonal and communication skills encompass verbal, nonverbal and written exchange of information. Physician assistants must demonstrate interpersonal and communication skills that result in effective information exchange with patients, their patients' families, physicians, professional associates, and the health care system. Physician assistants are expected to:

- create and sustain a therapeutic and ethically sound relationship with patients
- use effective listening, nonverbal, explanatory, questioning, and writing skills to elicit and provide information
- appropriately adapt communication style and messages to the context of the individual patient interaction
- work effectively with physicians and other health care professionals as a member or leader of a health care team or other professional group
- apply an understanding of human behavior
- demonstrate emotional resilience and stability, adaptability, flexibility and tolerance of ambiguity and anxiety

Physician Assistant Institute

- accurately and adequately document and record information regarding the care process for medical, legal, quality and financial purposes

PATIENT CARE

Patient care includes age-appropriate assessment, evaluation and management. Physician assistants must demonstrate care that is effective, patient-centered, timely, efficient and equitable for the treatment of health problems and the promotion of wellness. Physician assistants are expected to:

- work effectively with physicians and other health care professionals to provide patient-centered care
- demonstrate caring and respectful behaviors when interacting with patients and their families
- gather essential and accurate information about their patients
- make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence, and clinical judgment
- develop and carry out patient management plans
- counsel and educate patients and their families
- competently perform medical and surgical procedures considered essential in the area of practice
- provide health care services and education aimed at preventing health problems or maintaining health

PROFESSIONALISM

Professionalism is the expression of positive values and ideals as care is delivered. Foremost, it involves prioritizing the interests of those being served above one's own. Physician assistants must know their professional and personal limitations. Professionalism also requires that PAs practice without impairment from substance abuse, cognitive deficiency or mental illness. Physician assistants must demonstrate a high level of responsibility, ethical practice, sensitivity to a diverse patient population and adherence to legal and regulatory requirements. Physician assistants are expected to demonstrate:

- understanding of legal and regulatory requirements, as well as the appropriate role of the physician assistant
- professional relationships with physician supervisors and other health care providers
- respect, compassion, and integrity
- responsiveness to the needs of patients and society
- accountability to patients, society, and the profession
- commitment to excellence and on-going professional development
- commitment to ethical principles pertaining to provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices
- sensitivity and responsiveness to patients' culture, age, gender, and disabilities
- self-reflection, critical curiosity and initiative

PRACTICE-BASED LEARNING AND IMPROVEMENT

Practice-based learning and improvement includes the processes through which clinicians engage in critical analysis of their own practice experience, medical literature and other information resources for the purpose of self-improvement. Physician assistants must be able to assess, evaluate and improve their patient care practices. Physician assistants are expected to:

- analyze practice experience and perform practice-based improvement activities using a systematic methodology in concert with other members of the health care delivery team
- locate, appraise, and integrate evidence from scientific studies related to their patients' health problems
- obtain and apply information about their own population of patients and the larger population from which their patients are drawn
- apply knowledge of study designs and statistical methods to the appraisal of clinical studies and other information on diagnostic and therapeutic effectiveness
- apply information technology to manage

information, access on-line medical information, and support their own education

- facilitate the learning of students and/or other health care professionals
- recognize and appropriately address gender, cultural, cognitive, emotional and other biases; gaps in medical knowledge; and physical limitations in themselves and others

SYSTEMS-BASED PRACTICE

Systems-based practice encompasses the societal, organizational and economic environments in which health care is delivered. Physician assistants must demonstrate an awareness of and responsiveness to the larger system of health care to provide patient care that is of optimal value. PAs should work to improve the larger health care system of which their practices are a part. Physician assistants are expected to:

- use information technology to support patient care decisions and patient education
- effectively interact with different types of medical practice and delivery systems
- understand the funding sources and payment systems that provide coverage for patient care
- practice cost-effective health care and resource allocation that does not compromise quality of care
- advocate for quality patient care and assist patients in dealing with system complexities
- partner with supervising physicians, health care managers and other health care providers to assess, coordinate, and improve the delivery of health care and patient outcomes
- accept responsibility for promoting a safe environment for patient care and recognizing and correcting systems-based factors that negatively impact patient care
- apply medical information and clinical data systems to provide more effective, efficient patient care
- use the systems responsible for the appropriate payment of services

Physician Assistant Institute

Semester Based Curriculum

TERM I

| NUMBER | COURSE | CREDITS |
|----------|---|---------|
| MSPA 511 | Anatomy I with Lab | 4 |
| MSPA 521 | Physiology/Biochemistry I | 3 |
| MSPA 531 | Introduction to Clinical Lab and Microbiology | 3 |
| MSPA 556 | Patient Education and Counseling | 2 |
| MSPA 551 | History and Physical Exam I with Lab | 3 |
| MSPA 505 | Information Literacy | 3 |
| MSPA 541 | Clinical Genetics | 2 |
| | Term Total | 20 |

TERM II

| NUMBER | COURSE | CREDITS |
|----------|---------------------------------------|---------|
| MSPA 526 | Pathophysiology | 3 |
| MSPA 512 | Anatomy II with Lab | 4 |
| MSPA 522 | Physiology/Biochemistry II | 3 |
| MSPA 552 | History and Physical Exam II with Lab | 3 |
| MSPA 571 | Clinical Pharmacology I | 3 |
| MSPA 611 | Clinical Medicine I with Lab | 4 |
| MSPA 632 | Integrative Medicine and Practice I | 1 |
| MSPA 642 | Medical Seminar | 2 |
| | Term Total | 23 |

TERM III

| NUMBER | COURSE | CREDITS |
|----------|--|---------|
| MSPA 553 | History and Physical Exam III with Lab | 4 |
| MSPA 612 | Clinical Medicine II with Lab | 8 |
| MSPA 604 | Professional Practice and Policy | 2 |
| MSPA 561 | Health, Wellness and Nutrition Throughout the Lifespan | 2 |
| MSPA 603 | Medical Ethics | 2 |
| MSPA 633 | Integrative Medicine and Practice II | 2 |
| MSPA 643 | Medical Seminar II | 2 |
| | Term Total | 22 |

TERM IV

| NUMBER | COURSE | CREDITS |
|-----------|--|---------|
| MSPA 613 | Clinical Medicine III with Lab | 8 |
| MSPA 620 | Fundamentals of Surgery | 4 |
| MSPA 602 | Information Literacy and Medical Writing | 2 |
| MSPA 608 | Global Health | 2 |
| MSPA 634 | Integrative Medicine and Practice III | 2 |
| MSPA 644 | Medical Seminar III | 2 |
| MSPA 572 | Clinical Pharmacology II | 3 |
| *MSPA 651 | Clinical Clerkship I | 4 |
| | Term Total | 27 |

TERM V

| NUMBER | COURSE | CREDITS |
|-----------|------------------------|---------|
| *MSPA 652 | Clinical Clerkship II | 4 |
| *MSPA 653 | Clinical Clerkship III | 4 |
| *MSPA 654 | Clinical Clerkship IV | 4 |
| MSPA 644 | Medical Seminar | 2 |
| | Term Total | 22 |

TERM VI

| NUMBER | COURSE | CREDITS |
|-----------|-----------------------|---------|
| *MSPA 655 | Clinical Clerkship V | 4 |
| *MSPA 656 | Clinical Clerkship VI | 4 |
| MSPA 645 | Medical Seminar | 2 |
| MSPA 698 | Capstone Project | 2 |
| | Term Total | 12 |

TERM VI

| NUMBER | COURSE | CREDITS |
|-----------|-------------------------|---------|
| *MSPA 657 | Clinical Clerkship VII | 4 |
| *MSPA 670 | Clinical Clerkship VIII | 4 |
| *MSPA 680 | Clinical Clerkship IX | 4 |
| | Term Total | 12 |

*CORE SUPERVISED CLINICAL CLERKSHIPS

All students are required to complete all of the seven core supervised clinical clerkships. The clinical clerkship sequence will be individually assigned to students by the Director of Clinical Education.

Emergency Medicine - The Emergency Medicine clerkship gives the physician assistant student direct involvement and experience in a hospital Emergency Department setting. This will provide the student with practical clinical experience in the diagnosis, evaluation, and management of a wide range of emergent medical, orthopedic, traumatic, and surgical conditions. Students will participate in the care of pediatric and adult patients in all triage acuity classifications. This experience consists of a six week supervised clinical experience in an affiliated hospital emergency department designed to further develop the concepts of diagnosis and management acquired during the pre-clinical course-work and to develop decision-making and cognitive skills related to patient care in an emergency room. This course will also provide the student a chance to develop additional clinical psychomotor skills by performing routine basic procedures in a supervised setting. By the completion of the rotation, the student will have gained an appreciation for the delivery of emergency medical care as well as an understanding of the role of the PA in the Emergency Department setting.

Family Medicine - This six week clinical clerkship is designed to expose the student to a variety of common ambulatory care situations. Settings vary, but experiences are centered around primary care, general

medicine, and family practice. Students are responsible for eliciting chief complaints, gathering pertinent historical data, and performing relevant physical examinations. Students are also expected to develop problem lists, diagnostic impressions and therapeutic plans. These are to be presented to the preceptor in an organized, thoughtful manner. Students are expected to attend conferences on primary care problems when offered and participate in other assigned activities.

Internal Medicine - This 6 week clerkship is designed to provide an opportunity for the student to build on previous didactic experience and begin to develop competence in clinical medicine. The student is exposed to patients with a wide group of acute and chronic medical conditions. This clerkship will emphasize skills in gathering historical data, examination of patients, and provide the opportunity to perform a variety of diagnostic and therapeutic procedures. Students will interpret laboratory, EKG, and a variety of radiology studies. Students will formulate treatment plans; participate in discharge planning and patient education.

Obstetrics and Gynecology - This six week clerkship is designed to provide the student with exposure to common prenatal and gynecological problems. Hospital and clinic settings offer the student a wide range of outpatient and/or inpatient experience. The student will become confident with the routine gynecological evaluation and patient education. The student may have the opportunity to participate in labor and delivery. Emphasis is placed on data gathering, differential diagnosis, patient management, maintenance of medical records, performance of diagnostic and therapeutic skills, follow up care and the provision of health education and counseling.

Pediatrics - This six week clerkship is designed to provide the student with exposure to common pediatric problems. Emphasis is placed on assessment and management of normal and abnormal growth and development, as well as acute and chronic disease states. The student will develop skills in obtaining historical information and examining the pediatric patient. While most of the experience will occur in the office setting, the student will have the opportunity to be involved on the pediatric inpatient setting also.

Psychiatry/Behavioral Medicine - This six week clerkship provides students experience

Physician Assistant Institute

in working with patients who have psychiatric, behavioral or substance abuse problems. Emphasis is placed on the recognition and management of these problems. The student will learn how to do a mental status exam and medically assess the patient to screen for non psychiatric causes of the patient's clinical presentation. The student will be involved in treating patients with psychiatric as well as co-occurring disorders with alcohol, benzodiazepine or opiate dependence.

Surgery - This is a six week clerkship on an inpatient surgical service with hospital operating room experiences. The student is exposed to the concepts and principles which characterize the practice of medicine in general surgery, while participating in the pre- and post-operative evaluation and care of surgical patients. The role of the physician assistant student on the general surgical service includes performing the admission history and physical examination, monitoring and recording patient progress on daily rounds, performing and/or assisting with diagnostic and therapeutic procedures, assisting the surgeon in the operating room; participating in the post-operative care and management of patients, in addition to providing patient/family education and support.

GRADING

The Physician Assistant Institute letter grade system for courses is as follows:

Grade Quality Points

| | |
|-----|--|
| A | 4.00 |
| B+ | 3.50 |
| B | 3.00 |
| C+ | 2.50 |
| C | 2.00 |
| D | 1.00 — Considered Failing |
| F | 0.00 |
| P/F | Courses in this grading category are not calculated in the GPA |
| I | For Incomplete coursework |
| W | Withdrawal from Course |

Clerkship grades will use the same scale as the didactic courses.

Administrative Grades

I The grade of Incomplete "I", is used by the faculty to indicate that a student has

not completed all course requirements. A student will have one week from the last day of the term to meet with the faculty and complete all course requirements. Upon completion of the course requirements the faculty will submit the earned grade. Failure by the student to meet with the faculty and complete the requirements in one week from the last day of the term will result in the grade of "I" being converted to a grade of "F." Any student with a grade of "F" or "W" will be required to register and retake that course in its entirety when the course is regularly scheduled. Any student with a grade of "F" or "W" will not be eligible to register for courses for which that course is a prerequisite.

W Withdrawal grades are assigned based on the following policy statements:

1. If the student officially withdraws from a course during the official change-of registration period, that course does not appear on the student's transcript.
2. If a student officially withdraws from a course after the end of the change-of-registration period, but before the end of the official withdrawal period, a grade of "W" is assigned and that course remains on the student's transcript. Courses with a grade of "W" do not count toward the QPR and do not count toward "hours attempted."
3. The names of students who have officially withdrawn from a course and receive the grade of "W" are so listed on the class roster for the balance of the semester.
4. Any exceptions to the above, including late withdrawals, must be approved by the Director and the Vice Provost for Health Sciences before they become official and are recorded. Poor academic performance does not constitute a valid reason for late withdrawal.

Since courses in the Physician Assistant Program are sequential a withdrawal would prohibit the student from continuing.

Academic policies

Academic policies used to manage and direct the academic program are:

1. Attendance Requirements

2. Requirements for Graduation
3. Good Academic Standing
4. Academic Warning, Probation and Dismissal
5. Dismissal from the College (Non-Academic)
6. Withdrawal from the Program
7. Readmission to the Program

DIDACTIC APPEALS PROCESS

A student may appeal a grade, first to the instructor and then to the Director of Academic Affairs and finally the Director. If after appeal to the Director, a student remains unsatisfied, then an appeal may be presented to the Progress and Promotions committee. In this latter instance, the appeal must be based on substantive academic grounds.

Clinical Clerkship Appeals Process: A student may appeal a grade, first to the Director of Clinical Education and finally the Director. If after appeal to the Director, a student remains unsatisfied, then an appeal may be presented to the Progress and Promotions committee. In this latter instance, the appeal must be based on substantive academic grounds.

ATTENDANCE REQUIREMENTS

In the Physician Assistant Program, it is expected that all students will assume responsibility for meeting all academic and clinical obligations with punctuality. Student attendance is expected in all classes and represents a component of professionalism. Students remain responsible for all of the work in the courses in which they are registered.

Students must arrive at all educational and clinical sessions with the necessary lab instruments, texts, attire, and other materials as designated by the instructor, or may otherwise be excluded from participation in the activity. Students not properly prepared for competencies will not be evaluated. Make up competencies for lack of preparation will not be offered.

Acceptance into the Physician Assistant Institute at the University of Bridgeport requires a full-time commitment. It is an intense and rigorous program that is demanding. The program strongly discourages students from holding an outside job during the didactic and clinical years.

Physician Assistant Institute

Academic Progress

STUDENT STATUS IN GOOD STANDING

To maintain full graduate status, the student must achieve a minimum GPA of 3.000 (based on 4.000) in his or her graduate study. Students whose GPA drops below a 3.000 while in the program will be placed on academic probation.

SATISFACTORY ACADEMIC PROGRESS

Students enrolled in the Physician Assistant Institute Master of Science degree program are in good academic standing and are making satisfactory academic progress; if they have successfully achieved the following criteria upon completion of their most recent semester of course work:

1. Did not receive a grade of "F or D" in any course, and
2. Maintain a cumulative grade point average of 3.0 or better.

A student who has not achieved the above criteria is not making satisfactory academic progress will be evaluated by the Director and the Progress and Promotion committee and will be required to follow the criteria as outlined in the catalog regarding Academic Probation and Dismissal.

PROGRESS AND PROMOTIONS

Each student will be presented by the faculty to the progress and promotions committee. The committee meets toward the end of the didactic period and once again prior to graduation. The committee is charged with the responsibility to assure that students are maintaining progress. If a student is not progressing as expected the committee may make recommendations for remediation or dismissal.

ACADEMIC ADVISING

Students will be assigned an academic advisor upon admission to the program. Students will meet with their advisor at least once per term to discuss progress and any problems they may be experiencing.

REMEDIATION

Student progress will be monitored with enough frequency to ensure that deficiencies

in students' knowledge, skills and professionalism are identified in a timely fashion. Once identified, students with deficiencies will be required to enter the program's remediation process. Students will meet with course directors and their faculty advisors to identify the nature and underlying causes of the problems. Opportunities for remediation will be identified and the program will work with students to their fullest ability. Remedial actions may include referral for tutoring, time management, study skills enhancement, test taking strategies, and/or personal counseling. Faculty advisors will meet regularly with students for documentation and follow-up. For further details please refer to the full policy in Appendix A of the Physician Assistant Institute student handbook.

ACADEMIC PROBATION

Graduate students must have a 3.000 cumulative GPA to be eligible to graduate. Graduate students whose cumulative GPA falls below a 3.000 will be placed on academic probation and will receive written notification of this status. At this point it is the student's responsibility to meet with his or her advisor. In order to be removed from academic probation, the student will need to achieve a cumulative GPA of 3.000 within his or her next term of study. Failure to do so may subject the student to immediate dismissal from the program at the discretion of the Program Director.

PROGRAM WITHDRAWAL

Any student wishing to withdraw from the PA program must submit this in writing to the Program Director detailing the reason for withdrawal and expected plans if any, to return. A student who withdraws in "good standing" academically, will be allowed to reapply to the program after an interview with the program administration without going through the full admissions process. An exit interview with the Program Director will be required. A student in this category will be required to interview once again with program administration before readmission is approved.

Students who are withdrawing due to issues of an academic nature will be required to exit interview with Program Director and the Director of Academic Affairs to delineate a plan, detailing requirements for readmission. A student in this category will be required to

interview once again with program administration before readmission is approved.

DISMISSAL

At any time a student can be dismissed from the program for academic or professional behavioral reasons. Any student in jeopardy of dismissal from the program will be notified in writing and have the option to respond. If necessary, an AD HOC Progress and Promotions committee will be convened and the issue presented. All recommendations of the committee will be presented to the Program Director for final action.

DISMISSAL FROM THE COLLEGE

Academic inadequacies are not the only reasons for dismissal from the College. The following is a list of additional causes for dismissal:

1. Failure to meet the generally accepted standards of ethical conduct and clinical practice. Dismissal of this nature is subject to review by a committee of peers, faculty and administration.
2. Pleading guilty or "nolo contende," or being found guilty of any crime involving moral turpitude or being felonious in nature.
3. Repeated violation of public policy, or the demonstration of behavior that creates safety hazards and/or disrupts the order of the institution. Dismissal of this nature is subject to review by a committee of peers, faculty and administration.
4. Failure to meet financial obligations or commitments to the College.

GRADUATION REQUIREMENTS

Candidates for the degree of Master of Science from the Division of Health Sciences must, in addition to completing all course and other degree requirements, have a minimum GPA of 3.00 and receive a C or higher in all courses. Each Student must successfully complete the summative evaluation prior to graduation. Each student must complete and submit the graduate research requirement. No student will be graduated who has not completed the above outlines requirements and resolved all financial obligations with the University.

Physician Assistant Institute

Admissions Requirements

- Bachelors degree from an accredited institution
- Cumulative GPA of 3.0 or higher preferred
- Required coursework:

*Taken within the last ten years with a grade of 'C' or better from an accredited school.

- General Biology I with lab
- Anatomy and Physiology I and II with labs
- 2 semesters of Chemistry with labs
- 1 semester of English
- 1 semester of Psychology
- 1 semester of Statistics
- Recommended coursework:
 - Microbiology with lab
 - Genetics with lab
 - Biochemistry with lab
- Minimum of 500 hours of direct patient care experience

Required Materials CASPA

- Application completed through CASPA
 - <https://portal.caspaonline.org/>
- Official transcripts from all schools attended
- Three letters of recommendation
 - One must be from a healthcare provider and another from the supervisor of the clinical experience. The third can be a professor, employer, or another individual who has known you on a professional level for a year or more.

*All transcripts and letters of recommendation must be sent directly to CASPA. These materials will not be accepted by the University of Bridgeport.

Required Supplemental Essay

Please send to paadmit@bridgeport.edu.

- University of Bridgeport Essay – 500 words sent directly to the University of Bridgeport addressing:
 - Why have you chosen to apply to the University of Bridgeport?

- What aspects of our program or curriculum resonate with you and why?
- How would the University of Bridgeport's program help you reach your career goals?

**Applicants must complete the Healthcare Experience section on the CASPA application to document the 500+ hours of patient care experience. Please note applications are not considered complete until the supplemental essay has been processed by the University of Bridgeport. Application completed through CASPA-Deadline is August 1.*

Application Procedures

DOMESTIC APPLICANTS

Domestic applicants must include:

1. A properly completed application for admission
2. A NON-REFUNDABLE application fee of \$40*
3. Official transcripts of all college records
4. Statement of Purpose (500–750 words) addressing your desire for medicine as a career and your perception of your role as a Physician Assistant.
5. Three letters of recommendation of which one should be from:
 - a) A Physician, Physician Assistant, Nurse Practitioner or Clinical Supervisor.
 - b) A supervisor speaking to your required healthcare experience.
 - c) General letter of recommendation attesting to character.
6. A completed application and supporting documents must be sent to the Office of Admissions by August 15. Applications are reviewed as they become complete and interviews are offered to the most qualified applicants.

Mailing address

University of Bridgeport
Division of Health Sciences
Office of Admissions
126 Park Avenue, Bridgeport, CT 06604

INTERNATIONAL APPLICANTS

International applicants must complete an application for international students as well

as an application to the Physician Assistant program. Applicants who have engaged in pre-professional study in foreign countries must submit official copies of all records, as well as certified translations if the original records are not in English. All transcripts/mark-sheets must be evaluated by a recognized credential evaluation organization, such as World Education Services (WES). Fees charged by such an agency are the responsibility of the student. Additionally, graduation from a physician assistant program does not guarantee employment in the United States or abroad. Please check with your education advisor prior to application to the program.

All non-native English language speakers must demonstrate English language competency at a level appropriate for advanced scientific study. At a minimum, proficiency can be demonstrated in one of the ways listed below:

1. Minimum score of 80 from the Test of English as a Foreign Language (TOEFL) or the Test of Spoken English (TSE), taken within the past two years. Information on the TOEFL/TSE can be obtained from TOEFL, P. O. Box 6151, Princeton, NJ 08541-6151, U.S.A. or www.ets.org.
2. Receipt of a grade of "B" or better in one semester of English at an accredited U.S. college or university.
3. Successful completion of intensive English Language study at the UB's English Language Institute.

Technical Standards

University of Bridgeport Physician Assistant Institute Technical Standards

Completion of a degree at the University of Bridgeport signifies the graduate is prepared for practice in their prospective field by meeting the technical standard requirements. Technical standards, as distinguished from academic standards, refer to the physical, cognitive, and behavioral abilities required for satisfactory completion of curriculum. The essential required abilities include motor, sensory, communicative, intellectual, behavioral and social criteria. These standards are required by ARC-PA (A3.07) and are common to all programs. All candidates

Physician Assistant Institute

must possess the necessary intellectual ability and skills in observation, communication, motor, and behavior to enter and successfully complete the program. (Adopted from: The Report of the Special Advisory Panel, on Technical Standards for Medical School Admissions, AAMC 1979; Key Foundations for Developing Educationally Effective and Legally Sound Access and Diversity Policies AAMC Professional Development Conference for Medical School Admissions Officers June 22, 2007.)

Observation

- Candidates must be able to observe visual presentations in the classroom and laboratory and at the patient bedside.
- Candidates must be able to observe patients closely and at a distance to observe the patient's condition and complete a patient exam.
- Candidates must be able to immediately comprehend and respond to auditory instructions or requests.

Communication

- Candidate must be able to speak, hear and observe patients to obtain pertinent information.
- Candidates must be able to communicate in a clear and effective manner with patients and their families both orally and in writing, using appropriate grammar, spelling, and vocabulary.
- Candidates must possess the skills of sensitivity and confidentiality in patient communication. They must abide by the HIPAA policy.
- Candidates must be able to communicate with the health care team effectively and efficiently.

Motor Skills

- Candidates must be able to elicit information on patient exam by palpation, auscultation, and percussion as well as carry out diagnostic maneuvers.
- Candidates must be able to examine and treat patients with coordination of muscular movements, equilibrium, and sensation.
- Candidates must be able to manipulate equipment and instruments for basic laboratory tests and procedures such as airway

management, suturing, needle placement & IV, stethoscope & ophthalmoscope, tongue blades, gynecologic speculum and scalpel.

- Candidates must be able to transport themselves from room to room and location to location in an efficient manner to see patients.
- Candidates must have the physical stamina to complete both the didactic and clinical portions of the training program which includes sitting, standing, and moving from classroom to laboratory to hospital.

Intellectual Ability

- Candidates must possess problem solving ability, a skill demanded of physician assistants.
- Candidates must be able to collect, measure, organize, prioritize, analyze and assimilate data in a limited time frame. Information presented in lecture must be successfully applied in the clinical setting by the candidate.
- Candidates must be able to read and understand the medical literature and use this knowledge in problem solving and patient care.
- Candidates must be able to interpret x-rays and EKG readings.

Behavior

- Candidates must be able to use their intellectual ability and exercise good judgment in completing their responsibilities for the diagnosis and treatment of patients.
- Candidates must have the capacity to respond to emergencies in a calm and reasoned manner.
- Candidates must be able to develop rapport with patients and their families and their colleagues.
- Candidates must be able to handle the physical, mental and emotional stress while functioning effectively.
- Candidates must demonstrate compassion, motivation, integrity, flexibility and a consciousness of social values.
- Candidates must be able to interact with a diverse population.
- Candidates must be able to accept criticism and modify behavior and practice as needed.

- Candidates must work cooperatively preserving relationships with other members of the health care team.
- Candidates must understand and apply ethical standards in practice.
- Candidates must demonstrate emotional stability at a level necessary to deliver sound patient care in all settings and to interact with interdisciplinary health care teams.

Selection of Candidates

The University of Bridgeport Physician Assistant Institute is coeducational and does not discriminate against any applicant on the basis of gender, race, religious orientation, sexual orientation or national origin. (Title VI, Civil Rights Act 1964)

All eligible finalists are invited for a personal interview before any action is taken upon their application. Among the qualities typical of most successful candidates for admission, the following are especially important:

1. Superior communication skills, both oral and written.
2. Evidence of strong motivation to become a Physician Assistant.
3. Initiative and honesty as evidenced in the candidates' transactions within the application process and in all information submitted in support of the application.
4. Academic achievement and motivation toward the curriculum offered at the Institute.

NOTIFICATION OF ACCEPTANCE

Applicants will be notified in writing of the decision of the Admissions Committee as soon as a decision is made.

School of Continuing and Professional Studies

Dean: Michael Giampaoli
Wahlstrom Library, Garden Level
126 Park Avenue
Telephone: (203) 576-4168
Fax: (203) 576-4537
E-mail: scpsinfo@bridgeport.edu
Website: www.bridgeport.edu/scps

The School of Continuing and Professional Studies (SCPS) serves the public by facilitating access to the University's knowledge and resources through credit and noncredit courses and alternative methods of teaching and learning, and by aiding adult lifelong learners and organizations to become more competitive, improve their earning power, and enrich their lives.

THE IDEAL DEGREE COMPLETION PROGRAM

Associate Dean and Director of Advising:
Yvrose Romulus

Director of Admissions: Mary Jane Dubner
Wahlstrom Library, Garden Level
Telephone: (203) 576-4800
E-mail: idealinfo@bridgeport.edu

The Innovative Degree Excellence in Accelerated Learning (IDEAL) program was an early pioneer in accelerated degree-completion programs for adult learners, beginning in 1988 and expanding into three locations throughout the state; Bridgeport, Stamford and Waterbury.

The IDEAL Program gives adults age 23 or over the opportunity to complete a bachelor's degree at a convenient time and place. Courses are mostly offered in five- and eight-week terms – one meeting per week – nine sessions per year in various formats; evening, weekend and online. All faculty who teach in the IDEAL program hold graduate degrees in their teaching discipline and possess relevant and current professional experience. They deliver quality instruction to the adult learner utilizing one's knowledge and experience by fostering innovation in the classroom and a valuable learning environment that will enhance the students' career.

Programs of Study

The degree completion program offers degrees in:

- A.A. in Business Administration
- A.A. in General Studies
- B.S. in Business Administration
- B.S. in General Studies Business concentration
- B.S. in General Studies Social Science concentration
- B.S. in General Studies Online Social Science concentration
- B.S. in Human Services
- B.S. in Human Services & Psychology (Double Major)
- B.S. in Psychology
- Certificate in Human Resource Management

OFFICE OF DISTANCE EDUCATION

Director: Kris Bickell
Wahlstrom Library, Garden Level
Telephone: (203) 576-4851
E-mail: ubonline@bridgeport.edu
Website: www.bridgeport.edu/online

The University of Bridgeport's distance learning program offers students from around the world an opportunity to continue their education anytime from anyplace. Students can access their online classes 24 hours a day, 7 days a week, from the convenience of their home or office. At the core of the online courses is the individual guidance provided by the instructors and the interactive environment that allows a greater degree of class discussion and participation. Offering classes online since 1997, UB Online continues to provide students with the flexibility and convenience of learning from a distance, along with the same high quality of instruction that UB offers on the traditional campus.

Programs of Study

The following programs are offered through distance learning:

- B.S. in Dental Hygiene
- M.S. in Dental Hygiene
- B.S. in General Studies
- M.S. in Human Nutrition
- M.S. in Technology Management

- M.S. in Computer Science
- M.S. in East Asian and Pacific Rim Studies
- M.S. in Chinese Herbology
- M.S. in Global Development and Peace
- M.S. in Global Media and Communication Studies
- Certificate in Human Resource Management

STAMFORD CENTER

Director: Maureen Maloney
5 Riverbend Drive
Stamford, CT 06907
Telephone: (203) 358-0700
Fax: (203) 967-3735
E-mail: ubstamford@bridgeport.edu
Website: www.bridgeport.edu/stamford

The Stamford Campus is located in the Springdale section of Stamford in the Riverbend Center, a corporate park with plenty of secure parking, near the Springdale MetroNorth railroad station, I-95, and Merritt Parkway. The facility includes wireless technology-enhanced classrooms, SmartBoard technology, networked computer lab, faculty and administrative offices, student resource room and free, convenient parking.

Programs of Study at the Stamford Center

UNDERGRADUATE (IDEAL Degree Completion Program):

- B.S. in Business Administration
- B.S. in General Studies
(concentration in Business or Social Sciences)
- B.S. in Human Services

GRADUATE:

- MBA & Executive MBA (Evening and Weekend)
- M.S. in Counseling/Human Resource Development (Weekend)
- M.S. in Education (part-time Evening and Weekend)
- M.S. in Education Intern Program
- Teaching Certification (Elementary, Middle and Secondary)
- Sixth Year Education Program (General, Reading, and Administration)

School of Continuing and Professional Studies

WATERBURY CENTER

Director: Karen Ringwood
84 Progress Lane
Waterbury, CT 06705
Tel: (203) 573-8501
Fax: (203) 573-8576
E-mail: ubwaterbury@bridgeport.edu
Website: www.bridgeport.edu/waterbury

The University of Bridgeport's Waterbury Campus is conveniently located off Interstate 84 from exit 25A on the Waterbury/Cheshire border and offers undergraduate, graduate, and post-graduate programs. The facility includes wireless technology-enhanced classrooms, SmartBoard Technology, networked computer lab, faculty and administrative offices, student resource room and free, convenient parking.

Programs of Study at the Waterbury Center

UNDERGRADUATE

(IDEAL Degree Completion Program):

- B.S. in General Studies (concentrations in Business or Social Sciences)
- B.S. in Human Services
- B.S. in Psychology

GRADUATE:

- M.S. in Education (part-time Evening and Weekend)
- M.S. in Education Intern Program
- Sixth Year Education Program (General, Reading, and Administration)

English Language Institute (ELI)

Director: Meg Cooney
English Language Institute
Carlson Hall
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Senior Instructors:
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General Information

The English Language Institute of the University of Bridgeport offers an intensive program of English as a Second Language. ELI also organizes off-campus trips and on-campus activities designed to introduce international students to the United States, its language and its people.

ELI classes are offered year round, Monday through Friday. Full-time students attend class in the mornings and afternoons. Part-time students can choose to attend mornings or afternoons. For full-time students, a typical day consists of 5 hours of instruction, including classroom instruction in grammar, composition, reading, listening, and speaking, and assigned work in the university's state-of-the-art language laboratory. ELI provides highly individualized instruction. Classes are limited to 15 students per teacher.

ELI students receive a University of Bridgeport student I.D. card and are entitled to use facilities on the campus of the University of Bridgeport, such as the Wahlstrom Library, Centers for Academic Computing, Email/Internet access, and the Wheeler Recreation Center, to name but a few.

Admission

ELI students must have a strong personal commitment to learning the English language. Courses in English as a Second Language are offered year-round at all levels from low-intermediate through advanced. ELI application forms and additional program information may be obtained at the above address or may be printed out directly from the ELI Internet address shown above.

Applicants must be at least 17 years old. Applications are accepted at any time of the year and new students may begin class throughout the year. ELI issues an official letter of admission to the program and an I-20 form promptly upon receiving a completed ELI application. After receiving the I-20 issued by ELI, the prospective student may apply for an F-1 student visa at an American embassy or consulate prior to coming to the United States.

Why Students Enroll at ELI

Many students wish to enrich their knowledge of the English language while on leave from a school or a job in their home country. Most of these students return to their home country after a stay at ELI of from 7 weeks to a full year or more.

Many ELI students plan to apply for admission to a degree program at the University of Bridgeport. They improve their knowledge of English to meet the English language requirement for university admission. These students usually obtain "conditional acceptance" to a degree program and will receive full acceptance when they satisfy the University's English language requirement for admission. It should be noted that successful completion of ELI's advanced level satisfies the English language requirement for admission to the University of Bridgeport. ELI graduates are not required to take the TOEFL.

The Curriculum

The curriculum of ELI focuses on improving skills in speaking, listening comprehension, writing, and reading. At all levels of the curriculum, ELI instructors seek to help students improve their language skills through active use of the language both in and out of the classroom.

New students complete a placement test upon arrival and are placed in the appropriate level of English. Successful completion of the session allows the student to move up to the next level.

Students who are placed in the lower levels concentrate on basic grammar, speaking, listening, and reading skills, and practice paragraph writing. As students progress through the levels, they continue to improve their

speaking and listening skills while taking on more challenging tasks in reading and writing. At all levels, reading novels and watching videos specially designed for ESL students provide the basis for rich classroom discussions to improve listening and speaking skills and prepare for American style classroom interaction.

In the advanced levels, students strive to achieve competence in language-dependent tasks similar to those that are required of native speakers of English in both academic and career-related activities. These include reading for content; note-taking from spoken and written materials; speaking skills needed to relate information, to persuade, to negotiate, and to inquire; and skills needed in essay and report writing, as well as in effective correspondence.

Graduates of ELI receive a "Certificate of Completion" which certifies that they have met the English language requirement for admission to the University of Bridgeport. Grades reports are issued upon request.

Schedule of Charges

Please see insert for current academic year for tuition, fees, and other expense.

ELI students should plan on spending about \$200 per 8-week session to cover required books and miscellaneous personal expenses such as recreational travel, local transportation, books, laundry, clothing, etc.

Application Forms and Additional Information

Prospective students may obtain application forms, credit card charge forms, insurance information, etc. at ELI's Internet site, by email, or by calling or faxing ELI.

Ernest C. Trefz Center for Venture Management and Entrepreneurial Studies

The Ernest C. Trefz Center for Venture Management and Entrepreneurial Studies (CVM) builds upon the entrepreneurial spirit of its principle supporter to encourage the development and retention of small businesses in the region. The Center provides opportunities for potential entrepreneurs and small business persons to get expert help with their ventures and for faculty and students to participate in entrepreneurial experiences.

COMPONENTS OF THE CENTER FOR VENTURE MANAGEMENT INCLUDE:

- The Business Development Institute helps potential entrepreneurs and small business persons get help in start-up, business organization, finance, marketing, staffing and management; and assists in evaluating technology and development planning.
- The Bridgeport Foreign Trade Institute sponsors monthly international business seminars and conferences; develops networks of international business firms; provides consultation services to those individuals and organizations who attempt to enter international business; and assists local governments in promoting local businesses and products made in the State of Connecticut to foreign markets and investors.
- The Urban Management Institute studies socioeconomic issues in the region and recommends appropriate policy initiatives.
- The Special Projects Unit promotes activities especially targeted for small business people in the region through conferences, seminars and special events. Typical events include: "The Entrepreneurship Conference," "The National Innovation Workshop," "Technology Transfer and Licensing," "The Banking Forum," and Minority Workshops on "How To Succeed In Small Business."
- The SCORE (Service Corps of Retired Executives), Bridgeport Chapter, is housed in the Trefz Center on the University campus. SCORE offers opportunities to students for internships in business consultation.

Pre-Professional Programs

The University of Bridgeport is committed to providing the appropriate education and guidance to those students for whom the baccalaureate degree is a stepping-stone to the completion of a professional degree in the health sciences or law. To this end the University has established a Pre-Law and a Pre-Health advisory program.

Pre-Law Studies

Advisor: William Greenspan
Mandeville Hall
230 Park Avenue
Telephone: (203) 576-4378
Fax: (203) 576-4388
E-mail: profweg@bridgeport.edu

While no single curricular path is the ideal preparation for law school, a broadly based undergraduate program that includes training in analytical reasoning and writing will serve you well. Law schools want students who can think, read, and write and who have some understanding of the forces that have shaped human experience. You can acquire these attributes in any number of college courses, whether in the humanities, the social sciences, or the natural sciences.

English language and literature courses are virtually indispensable. At the same time, every law student should be aware of the institutional processes of government through which much of the law is made and applied. You can gain this awareness through study in political science. Because the law is inseparable from our historic experience, you should have some acquaintance with American history. The fact that many legal subjects are intimately concerned with economic relations among individuals, and with the structure and development of business enterprises, makes a knowledge of macro and microeconomics valuable. Statistics, accounting, and computer science are other courses that will help you to understand special legal subjects and the practice of law.

Accredited law schools require that applicants take the Law School Admission Test (LSAT). In the admissions process, law schools are primarily interested in the student's LSAT score, the student's GPA, and the intensity and depth of the student's undergraduate program, showing the student's capacity to perform well at an academically rigorous level.

For more information on pre-law studies, check out the Law School Admission Council at www.lsac.org.

Pre-Health Professional Studies

Advisor to Pre-Health: Spiros Katsifis
Charles Dana Hall
169 University Avenue
Telephone: (203) 576-4265
Fax: (203) 576-4262
E-mail: skatsif@bridgeport.edu

Advisor to Pre-Health for General Studies Majors: Edward Geist
Charles Dana Hall
Telephone: (203) 576-4956
Fax: (203) 576-4051
E-mail: edwgeist@bridgeport.edu

The major categories of Pre-Health Professional Studies are:

- Pre-Chiropractic
- Pre-Naturopathic
- Pre-Dental
- Pre-Veterinary
- Pre-Medical

Virtually all of the professional schools in these fields have the same minimum entrance requirements:

1. Completion of 90 credit hours of college work or completion of a bachelor's degree,
2. Completion of laboratory science courses in the following subjects:
 - Biology – 8 credit hours
 - General Chemistry – 8 credit hours
 - Organic Chemistry – 8 credit hours
 - General Physics – 8 credit hours
3. Completion of a liberal arts core that includes English composition, psychology, communications, humanities, social sciences, and the fine arts.

Depending on the health profession and school some variation in these requirements does occur.

The highest percentage of students admitted to health professional graduate schools major in biology with chemistry the second most common major. However, students ma-

joring in any discipline, e.g. history, music, or psychology, are also viable candidates provided they satisfy the pre-requisites of the professional school to which they seek admission.

The University of Bridgeport's Biology Major offers a B.A. or B.S. degree that provides a rigorous scientific and technical program for the pre-health professional student. See the Biology major for additional details.

The University of Bridgeport's Bachelor of Science in General Studies (B.S.) degree program provides the student with the opportunity to create a program, in consultation with their advisor, that may fit the individual student's particular needs.

The University offers a pre-Chiropractic program in the Biology major and the General Studies major. These programs are offered with the cooperation of the University of Bridgeport College of Chiropractic. In both programs the student may elect a 90-Credit Basic Option, Combined Baccalaureate/Doctor of Chiropractic Option, or Complete Baccalaureate followed by Doctor of Chiropractic Option. See the description of the pre-chiropractic program elsewhere in the catalog.

A pre-Naturopathic program is also offered in cooperation with the University of Bridgeport's College of Naturopathic Medicine. In this program a student must complete the bachelor's degree before entering the College of Naturopathic Medicine. See the description of this program elsewhere in the catalog.

It should be noted that pre-health professional study in any of the above areas provides an excellent foundation for other careers in the health sciences, including osteopathy, podiatry, physical therapy, optometry, and pharmacy.

Pre-Professional Programs for Chiropractic

The University of Bridgeport offers a pre-professional program for students preparing for Chiropractic College, the Pre-Chiropractic Program for undergraduate students. This program fulfills the prerequisites for all Chiropractic colleges in the United States and Canada, including the University of Bridgeport College of Chiropractic.

Pre-Chiropractic Programs

Three undergraduate options of pre-chiropractic are offered in the Biology and General Studies majors: **90-Credit Basic Option, Combined Baccalaureate/Doctor of Chiropractic Option, and Complete Baccalaureate Followed by Doctor of Chiropractic Option.** In both majors the student earns a bachelor's degree which provides requirements for entrance into Chiropractic school.

The University of Bridgeport's Biology major offers both the B.S. and B.A. degrees. The major provides a rigorous scientific and technical program for the pre-Chiropractic student. The program is described in the section on Biology degrees.

The University of Bridgeport's Bachelor of Science in General Studies (B.S.) degree program provides the student with the opportunity to create a program in consultation with their advisor, that may fit the individual student's particular needs. This program is described elsewhere in the catalog under the General Studies major.

Both of these majors fulfill the University of Bridgeport's College of Chiropractic's minimum entrance requirements, which are:

1. Completion of 90 semester hours of undergraduate course work with a minimum grade point average of 2.50 on a 4.00 scale. In addition to this the cumulative grade point average must be competitive with other applicants vying for seats in the College of Chiropractic.
2. Completion of the following specific courses as part of their professional preparation:
 - Communication/Language Skills
6 semester hours
 - Psychology
3 semester hours
 - Social Science
3 semester hours

- Humanities
3 semester hours
- Electives (Social Science/Humanities)
9 semester hours
- Biology
8 semester hours
- General Chemistry
8 semester hours
- Organic Chemistry
8 semester hours
- General Physics
8 semester hours

3. All biology, chemistry, and physics courses must:

- be suitable for students majoring in the sciences,
- consist of a first semester and second semester course in each subject
- be passed with a grade of "C" (2.00 on a 4.00 scale) or better with a cumulative science quality point ratio of 2.25 or better,
- have a related laboratory.

90-CREDIT BASIC OPTION

Students electing this option complete 90 credits of course work, which includes fulfilling the Chiropractic admission requirements listed above. The student applies to and, if accepted, pursues the D.C. degree in Chiropractic college, but does not earn a bachelor's degree.

COMBINED BACCALAUREATE / DOCTOR OF CHIROPRACTIC OPTION

The University of Bridgeport School of Arts and Sciences and College of Chiropractic offer a seven year coordinated program leading to a combined Baccalaureate and Doctor of Chiropractic degree. Students enrolled in this option complete three years (at least 90 credits) of undergraduate coursework, including all required core courses in the University of Bridgeport curriculum. Students who successfully complete their first three years at the University of Bridgeport, and who comply with the requirements for admission to the University of Bridgeport College of Chiropractic described above may be granted admission into the College of Chiropractic.

Upon acceptance and entrance into the College of Chiropractic, the student may transfer up to 30 semester hours of basic science coursework in the College of Chiropractic to their undergraduate record to be applied towards completion of the B.S. or B.A. degree in Biology. A student must have a 2.50 grade point average in the College of Chiropractic and earned a grade of "C" or better in any course to be transferred. Courses which may be transferred for undergraduate credit are:

| | | SEMESTER HOURS |
|--------|---|----------------|
| AN 511 | Histology | 4 |
| AN 512 | Functional Anatomy & Biomechanics I: Spine | 5 |
| BC 511 | Biochemistry, Metabolism & Nutrition | 4 |
| AN 513 | General Anatomy I: Viscera | 4.5 |
| AN 514 | Embryology I | 1 |
| PH 521 | Physiology I | 3 |
| NS 521 | Neuroscience I | 3 |
| AN 525 | General Anatomy II: Head & Neck | 4.5 |
| AN 526 | Functional Anatomy & Biomechanics II: Extremities | 5 |
| AN 527 | Embryology II | 1 |
| NS 612 | Neuroscience II | 5 |
| PH 612 | Physiology II | 5 |
| MB 621 | Microbiology | 5 |

Upon satisfactory completion of all requirements for the baccalaureate degree, including the needed basic science appropriate Chiropractic courses, the School of Arts and Sciences will award the degree. Requirements for the B.A. or B.S. degree in Biology are listed under Biology. Requirements for the Bachelor of Science in General Studies degree are listed under General Studies.

The student must work closely with the undergraduate advisor to insure all required courses for the baccalaureate degree as well as prerequisites for Chiropractic College are fulfilled. This is especially important in earning the first 90 credits towards the degree before entering Chiropractic College.

To be accepted for the Doctor of Chiropractic degree program, the student must:

- maintain a minimum grade point average of 2.50 with a minimum grade of "C" in all undergraduate courses required by the University of Bridgeport College of Chiropractic;**

Pre-Professional Programs for Chiropractic

- schedule a meeting with the Director of Admissions of the University of Bridgeport College of Chiropractic immediately upon matriculation at the University of Bridgeport, indicating intent to continue into the Doctor of Chiropractic program upon completion of prerequisite undergraduate study. Pre-chiropractic advisement will be coordinated with the student's undergraduate advisor;
- submit an application for admission to the Director of Admissions of the University of Bridgeport College of Chiropractic prior to registering for the fifth semester of pre-chiropractic study at the University of Bridgeport;
- successfully complete a personal interview with members of the Admissions Committee of the University of Bridgeport College of Chiropractic during the final semester of pre-chiropractic study.

** Students in this program who complete the requirements for admission into the College of Chiropractic with a grade point average of 3.00 or higher and a grade of "B" or better in each of the science prerequisites will be granted preferred status for admission into the University of Bridgeport College of Chiropractic for the entry date of their choice.

COMPLETE BACCALAUREATE FOLLOWED BY DOCTOR OF CHIROPRACTIC OPTION

Under this option, the student completes the baccalaureate degree, making sure all entrance requirements for Chiropractic College are satisfied. The student then, if accepted, enters Chiropractic College.

Prospective students with questions about any of the above programs and options may contact:

Spiros Katsifis, Ph.D.
Chair of Biology
Charles Dana Hall
Telephone: (203) 576-4265
E-mail: skatsif@bridgeport.edu

Edward Geist, Ph.D.
Advisor to Pre-Chiropractic
General Studies Major
Charles Dana Hall
Telephone: (203) 576-4956
E-mail: edwgeist@bridgeport.edu

Pre-Professional Programs for Naturopathic Medicine

Pre-Naturopathic Programs

Undergraduate options of pre-naturopathy are offered in the Biology and Bachelor of Science in General Studies majors. In both of these programs the student earns a bachelor's degree which provides requirements for entrance into the College of Naturopathic Medicine and additional skills that will assist the students in their studies once there.

The University of Bridgeport's Biology major offers both the B.S. and B.A. degrees. The major provides a rigorous scientific and technical program for the pre-naturopathic student. The program is described in the section on Biology degrees.

The University of Bridgeport's Bachelor of Science in General Studies degree program provides the student with the opportunity to create a program in consultation with their advisor, that may fit the individual student's particular needs.

Both of these majors fulfill the University of Bridgeport's College of Naturopathic Medicine's minimum entrance requirements which are:

1. Completion of a baccalaureate degree, taken in an accredited degree-granting institution, with a minimum quality point ratio of 2.50 on a 4.00 scale.
2. Completion of the following specific courses as part of their professional preparation:
 - Communication/Language Skills
6 semester hours
 - Psychology
3 semester hours
 - Social Science
3 semester hours
 - Humanities
3 semester hours
 - Electives (Social Science/Humanities)
9 semester hours
 - General Biology/Zoology/Anatomy & Physiology (with lab)
8 semester hours
 - General Chemistry (with lab)
8 semester hours
 - Organic Chemistry (with lab)

8 semester hours

- General Physics (with lab)
8 semester hours
3. All biology/zoology/anatomy & physiology, chemistry, and physics courses must:
 - be suitable for students majoring in the sciences,
 - consist of a first semester and second semester course in each subject
 - be passed with a grade of "C" (2.00 on a 4.00 scale) or better with a cumulative quality point ratio of 2.50 or better,
 - have a related laboratory, and
 - have been taken within the past seven years.

Prospective students with questions about any of the above programs and options may contact:

Leanne Proctor
Director of Admissions
College of Naturopathic Medicine
Telephone: (203) 576-4108
E-mail: lproctor@bridgeport.edu

Graduate Studies Division

Administration

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GRADUATE STUDIES DIVISION PROGRAMS

The Graduate Studies Division is responsible for the management and administration of graduate and professional programs, graduate concentration areas, certificates and dual graduate degree programs at the University of Bridgeport.

The following graduate programs in the College of Public and International Affairs and Schools of Arts and Sciences, Business, Education and Engineering are the current programs that participate in the activities of the Graduate Studies Division.

1. M.S. (Biomedical Engineering)
2. M.S. (Computer Science)
3. M.S. (Computer Engineering)
4. M.S. (Counseling)
5. M.S. (Electrical Engineering)
6. M.A. (Global Development and Peace)
7. M.A. (Global Media & Communication Studies)
8. M.S. (Mechanical Engineering)
9. M.S. (Technology Management)
10. M.B.A. (Masters of Business Administration)
11. M.A. (East Asian Pacific Rim Studies)
12. M.S. (Computer Engineering)
13. Ph.D. (Computer Science and Engineering)
14. Ed.D. (Educational Leadership)

Students accepted into a Master's Degree Program at the University may wish to simultaneously pursue a second Master's Degree. This is permitted subject to the following:

Students wishing to pursue a second Master's Degree must apply to and be accepted

into the second Master's Degree Program. Their application should identify the degree they are already pursuing and clearly state that, if accepted, they will be simultaneously enrolled in two degree programs.

Students must meet all of the requirements of each degree in order to be awarded the degree.

In the event that there is course overlap between the two programs, such as might for example be the case with Master's Degrees in Engineering or Master's Degrees in Technology Management and Business, the total number of hours for the two degrees will not be less than 48.

Graduate Studies Division

Graduate Interdisciplinary Studies Graduate Degree Concentrations and Professional Graduate Certificates

The following concentration areas can be incorporated into the graduate programs offered by the Schools of Engineering, Business, Education, and Arts & Sciences or some of the of the dual graduate degree programs. Matriculated and non-matriculated students can elect to obtain graduate certificates in any of the concentration areas by satisfying the requirements of the respective areas. Certificates can be earned without being a student in a degree program.

1. Global Program and Project Management

REQUIRED:

- TCMG 505 – Global Program and Project Management

CHOOSE ANY TWO FROM THE FOLLOWING:

- TCMG 508/MGMT 560 – Foundations of Product Management
- TCMG 533 – Information Technology Strategy
- TCMG 534/MGMT 534 – Strategic Sourcing & Vendor Management
- TCMG 580X/MGMT 585 – New Product Commercialization

Any other course that is approved by your advisor

2. Manufacturing Management

REQUIRED:

- TCMG/MEEG 530 – Foundations of Manufacturing Management

CHOOSE ANY TWO FROM THE FOLLOWING:

- TCMG/MEEG 572 – Production Technology & Techniques
- TCMG/MEEG 573 – Supply Chain Management
- TCMG/MEEG 574 – Principles of Logistics and Material Management
- TCMG/MEEG 577X – Lean Manufacturing
- TCMG/MEEG 546 – Engineering Economics
- TCMG 540 – Simulation & Modeling

Any other course that is approved by your advisor

3. Supply Chain and Service Management

REQUIRED:

- TCMG/MEEG 573 – Supply Chain Management

CHOOSE ANY TWO COURSES FROM THE FOLLOWING:

- TCMG/MEEG 574 – Principles of Logistics and Material Management
- TCMG/MEEG 530 – Foundations of Manufacturing Management
- TCMG 534 – Strategic Sourcing and Vendor Management
- TCMG/MEEG 546 – Engineering Economics
- TCMG/MGMT 571 – Foundations of Service Management and Engineering

Any other course that is approved by your advisor

4. Quality Management & Continuous Improvement

REQUIRED:

- TCMG 578X – Six Sigma

CHOOSE ANY TWO COURSES FROM THE FOLLOWING:

- TCMG/MEEG 577X – Lean Manufacturing
- TCMG/MEEG 540 – Simulation & Modeling
- TCMG/MGMT 571 – Foundations of Service Management & Engineering

