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# **Schools and Professional Programs**

# School of Arts and Sciences

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*Dean:* Hans van der Giessen  
Dana Hall, Room 162  
Telephone: (203) 576-4239  
Fax: (203) 576-4051  
E-mail: artsandsciences@bridgeport.edu

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*Faculty:* Autuori, Eigel, Eslami, Eves,  
Geist, Johnson, Juliusburger, Katsifis,  
Kimmach, Kraft, Lehman, Lesko, Nicholas,  
Rho, Romalis-Reytblatt, Santiago,  
Singletary, Tucci

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## Degree Programs

### VISUAL AND PERFORMING ARTS

Design (B.F.A. and B.S.)  
with majors in:  
Graphic Design (B.F.A.)  
Illustration (B.F.A.)  
Industrial Design (B.S.)  
Interior Design (B.S.)

Music (B.Mus) with concentrations in:  
Jazz Studies  
Music Business  
Music Education  
Music Performance

### SCIENCE AND MATHEMATICS

Biology (B.A. and B.S.)  
with concentrations in:  
Environmental Biology  
Marine Biology  
Pre-Health Professional Options

Mathematics (B.A. and B.S.)  
with concentrations in:  
Actuarial Mathematics  
Computer Science  
Natural Sciences

### HUMANITIES AND GENERAL STUDIES

Literature and Civilization (B.A.)  
with concentrations in:  
Creative Writing  
English  
History  
Philosophy  
Psychology

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

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, General Studies, Graphic Design, Illustration, Industrial Design, Interior Design, 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 Design Programs reflect the new realities of the work place and future trends, which gives a clear advantage to those who are well-prepared in creative thinking, traditional skills, and computer-based technologies. A Student can major in Graphic Design, Illustration, Industrial Design, or Interior Design.

The General Studies Program gives adult learners, as well as traditional undergraduates, greater flexibility in completing their

# School of Arts and Sciences

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 underprepared 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 Program also grants Associate's degrees in arts and sciences.

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 or Psychology.

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 Music Program offers four distinct four-year programs leading to the Bachelor or 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 School provides courses in Physics and Chemistry in support of the University's Science and Engineering programs.

The School also provides two years of study in modern languages and culture, both European (French and Spanish) and Asian (Chinese, Japanese, and Korean).

## **Facilities**

Five floors of the Arnold Bernhard Center overlooking Long Island Sound, are occupied by the visual arts, and music programs of the School, with additional classroom, performance, and lecture hall space. Individual students have access to spacious studio and practice areas. The University Art Gallery is housed in the Bernhard Center and is available for student exhibitions as well as those of visiting artists and designers. There are facilities for woodworking, plastic forming and metal working, as well as special laboratories for materials study, human factors testing, graphic preparation, photographic processing, studio shooting, printmaking, video post-production, and computer graphics. Most studio courses have a fixed materials fee.

The Biology and Mathematics program are located in Dana Hall. Three floors are occupied by Biology, Physics, Chemistry, and Geology laboratories, as well as by the Computer Science laboratory.

## **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. In addition, the School is an accredited institutional member of the National Association of Schools of Art and Design.

## **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 Music, and Media/Visual Arts requires the submission of a portfolio representing the applicant's creative work, or a tape/videocassette 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.

# School of Arts and Sciences

## ***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). Because the Admissions Committee is looking for predictors of success (motivation, discipline, and character), in addition to the usual academic measures, a personal interview is always strongly recommended and is often required. Phone interviews can be arranged for students who live at a considerable distance from the University.

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

## ***General Criteria for Degrees from the School of Arts and Sciences***

In the Literature and Civilization majors, the Bachelor of Arts degree requires a minimum of 120 semester hours of acceptable work. 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 section of the catalog entitled "Undergraduate Degree Programs".

In Visual Arts, the Bachelor of Fine Arts degree requires a minimum of 125 semester hours of acceptable work, of which 48 semester hours

must be in the major. Individual critiques, with faculty in attendance, are required of majors at the end of each semester. At the end of the second year, a portfolio review establishes whether students have demonstrated their ability to continue in the program. A senior thesis presentation, including professional portfolio development, is required of all Visual Arts graduates of the School.

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.

# School of Business

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*Dean:* Y. Paul Huo • (203) 576-4384

*M.B.A. Program Director:*

Diane Richardson • (203) 576-4363

*Undergraduate Advisor:*

William Greenspan • (203) 576-4378

Mandeville Hall

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*Faculty:* Albert, Bassett, Choi, Coleman, Greenspan, Kim, Kohn, Rigia, Schaff, Selig, Todd, Wu

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## Accreditation

All degree programs in the School of Business are licensed and accredited by the State of Connecticut Department of Higher Education and the New England Association of Schools and Colleges. In addition, the School of Business is internationally accredited by the Association of Collegiate Business Schools and Programs (ACBSP) to offer specified graduate and undergraduate business degrees. As of January, 2001, the ACBSP is the only business school accrediting agency recognized by the Council for Higher Education Accreditation (CHEA). National accreditation covers the Bachelor of Science (BS) degrees in Accounting, Business Administration, Computer Applications and Information Systems, Finance, International Business Management, and Industrial Relations, and Marketing. At the graduate level accreditation applies to the Master of Business Administration (MBA) degree with concentrations in Accounting, Finance, Management, International Business, Computer Applications and Information Systems and Global Marketing.

## UNDERGRADUATE DEGREE PROGRAMS

Accounting (B.S.)

Business Administration (A.A., B.S.)

Computer Applications and Information Systems (B.S.)

Fashion Merchandising (A.A., B.S.)

Finance (B.S.)

International Business (B.S.)

Management and Industrial Relations (B.S.)

Marketing (B.S.)

## Mission Statement

The mission of the University of Bridgeport School of Business is to develop effective and responsible leaders for global business, industry and government by offering graduate and undergraduate degree programs that equip graduates with the technical and cultural competences required in an increasingly complex international environment.

## 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 by participation in the co-op and internship program with several research and consulting institutes established in the School of Business or with outside business firms, non-profit organizations, government agencies, and international organizations.

## 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 based on the determination that the student has demonstrated potential in analytical reasoning, comprehension and expression in words and creative power in thinking.

Our past experience has shown that to be able to perform well in the Business Program, a student has earned a 2.5 G.P.A. in high school, above 1010 SAT, ranked in the top half of the class, achieved "B" or better grades in Math and English, and good recommendations from the high school counselor.

Students transferring from undergraduate majors of other colleges must have a minimum quality point ratio of 2.5.

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

## 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 socio-political 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:

# School of Business

1. Admitted to candidacy for the degree in the 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.

## **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 and Human Resources

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School of Education and Human Resources

*Dean:* James J. Ritchie

Carlson Hall

(203) 576-4192

Email: [ritchie@bridgeport.edu](mailto:ritchie@bridgeport.edu)

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Division of Education

*Associate Dean:* Allen P. Cook

Carlson Hall

(203) 576-4198

Email: [acook@bridgeport.edu](mailto:acook@bridgeport.edu)

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Teacher Preparation Programs

*Director:* Patricia I. Mulcahy-Ernt

Carlson Hall

(203) 576-4201

Email: [mulcahy@bridgeport.edu](mailto:mulcahy@bridgeport.edu)

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Student Teaching and

MOD MAP Programs

*Director:* Richard C. Harper

Carlson Hall

(203) 576-4194

Email: [harper@bridgeport.edu](mailto:harper@bridgeport.edu)

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International Programs

*Director:* William Jassey

Carlson Hall

(203) 576-4862

Email: [wjassey@bridgeport.edu](mailto:wjassey@bridgeport.edu)

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Intern Program

*Director:* Alfred Tufano

Carlson Hall

(203) 576-4203

Email: [tufano@bridgeport.edu](mailto:tufano@bridgeport.edu)

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Division of Educational Administration

*Director:* John W. Mulcahy

Carlson Hall

(203) 576-4574

Email: [jmulcahy@bridgeport.edu](mailto:jmulcahy@bridgeport.edu)

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Division of Counseling &

Human Resources

*Director:* Joseph E. Nechasek

Carlson Hall

(203) 576-4175

Email: [nechasek@bridgeport.edu](mailto:nechasek@bridgeport.edu)

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*Faculty:* Burlew, A. Cook, Cole, Frey, Grant, Harper, Kara-Soteriou, Kirschmann, Maimon, Mulcahy, Mulcahy-Ernt, Nechasek, Ngoh, Noto, D. Phillips, L. Phillips, Ritchie, Thomas

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## **Mission Statement**

The School of Education and Human Resources 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 Division of Education 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 Division 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 Division 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.

The Division of Counseling and Human Resources develops, coordinates, monitors and implements a wide range of learning opportunities and services for persons interested in entering the human services field. Current programs within the division include: Gerontology, Human Services, Center for the Study of Aging. Significant learning opportunities are constantly being developed to meet changing needs in the field of human services.

## **Accreditation**

All degree programs in the School of Education and Human Resources 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.

## **UNDERGRADUATE SCHOOL**

The School of Education and Human Resources encompasses programs that prepare students to assume careers in human services. The undergraduate school offers a major in Human Services and Psychology.

### **Undergraduate Degree Programs**

Human Services (B.S.)

Psychology (B.S.)

## **GRADUATE SCHOOL**

The School of Education and Human Resources offers programs which lead to Master's Degrees in Counseling and Education (M.S.). Sixth Year degrees are offered in Counseling and Education. A Certificate Program in Remedial Reading and Remedial Language Arts (Reading and Language Arts Consultant) is 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.



# School of Education and Human Resources

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

Programs in the School of Education and Human Resources 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 traditional counseling and 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 people skills.

## Admission Requirements

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

### SCHOOL OF EDUCATION AND HUMAN RESOURCES

#### COUNSELING

- A. Bachelor's degree from an accredited institution or a recognized international institution with a minimum of 12 credit hours in social/behavioral sciences.
- B. 2.5 recommended grade point average.
- C. Supplemental application.
- D. Two letters of recommendation.

#### 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

#### 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.

## Graduate Degree Programs

#### Counseling (M.S.)

Community Counseling  
Human Resource Development  
College Student Personnel

#### Instructional Technology (M.S.)

#### Counseling (6th Year)

#### Education (M.S.Ed.)

#### Educational Administration and Supervision (6th Year)

#### Education (6th Year)

#### 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
3. Internship for those who wish to earn a Master's degree in Education 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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*Dean:* Tarek Sobh  
Engineering Technology Building  
(203) 576-4111

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*Faculty:* Aref, Bauer, Dichter, Elleithy, Grodzinsky, Hmurcik, Liu, Mahmood, Rao, Sobh, Tibrewal, Ting

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## **Degree Programs**

Computer Engineering (B.S., M.S.)  
Computer Science (B.S., M.S.)  
Electrical Engineering (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.

### **GRADUATE ENGINEERING**

Candidates for admission to the graduate programs of 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

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.

# School of Engineering

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. Normally, the accumulation of one "F" grade, or more than one "D" grade, or more than three "C" grades will result in separation.

### **COURSE LEVELS**

400-499—Open to graduate students and to qualified undergraduates. 500-599—Open to graduate students only.

### **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 director in writing, stating the underlying circumstances. Program interruption without formal permission will constitute grounds for dismissal from the Graduate School.

### **DEGREE PROGRAM REQUIREMENTS**

All students studying for the Master of Science degree 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.

### **GENERAL THESIS REGULATIONS**

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

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 30 semester hours 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 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.

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## School of Engineering

### ***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.

# The International College

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

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*Faculty:* Healey, Katz, Rubenstein, Yu, van der Giessen, van der Kroef, Ward, Zhu

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## **Degree Programs**

International Political Economy and  
Diplomacy (B.A.)

Mass Communications (B.A.)  
Advertising  
Communication Studies  
Journalism  
Public Relations

Social Sciences (B.A.)  
History  
International Studies  
Political Science  
Sociology

World Religions (B.A.)

## **Introduction**

Founded in 2000 the International College of the University of Bridgeport is committed to preparing people for careers in international public service, in academia, and in the media. The College offers majors in Mass Communications, International Political Economy & Diplomacy, World Religions and the Social Sciences.

## **Mission Statement**

The International College of the University of Bridgeport prepares students for careers in international public service. Through its degree programs in Mass Communications, World Religions, International Political Economy & Diplomacy, as well as its concentrations in International Studies and Political Science, the International College respond to the growing need for professionals in government, business and civil society who can respond to the challenges and opportunities of globalization. Its programs demonstrate the importance of constitutional gov-

ernment, and the role that sustainable economic growth needs to play in national and international priorities. The College's academic programs apply the social, political, economic, and historical methods of inquiry, bringing them to bear on current global issues.

The International College's programs are designed to provide students with marketable skills, "career-enhancing, quality education" and with the necessary academic training to enable the College's graduates to render meaningful service in a wide array of corporate, non-governmental, governmental, or intergovernmental venues. The College provides students with an understanding of the genesis and evolution of modern democratic institutions, and offers insight into the fundamental forces that have shaped the world's major cultures. Recognizing the importance of a broad cultural base, synthetic and analytic skills, and mastery of foreign languages, the International College encourages learning in these areas.

The International College also emphasizes the importance of conflict resolution, and service learning. It aims to support scholars and practitioners who will meet the ever increasing need for global cooperation and understanding. The international student body of UB, both a "living laboratory" and a "microcosm of the global world," provides an unparalleled context for such study.

## **INTERNSHIPS, COOPERATIVE EDUCATION**

Students of International College 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 International College is committed to developing non-traditional and distance-based educational programs for adult learners and to assisting international organizations in the ongoing training of cadres.

## **Special Areas of Interest**

The International College and UB students and faculty in the United Nations system in New York. They have sponsored lectures, conferences, and seminars on the United Nations and other international organizations; the impact of regional customs unions; international human rights; and programs on sustainable development. The College provides a forum where students representing their respective nations have organized very constructive public symposia on topics such as border and ethnic divides in hotspots such as Bosnia, Kosovo, Kashmir, Tibet, and the Middle East. UB students participate with distinction in the Model United Nations at Harvard University and most recently, at McGill University in Monreal.

## **The International College and the Study of the United Nations**

The International College of the University of Bridgeport has a particular interest in International Organization and the UN 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 International College 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,

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# The International College

comprehension, verbal expression, intellectual growth, and a demonstrated interest in international affairs and or/world culture.

Experience indicates that, in order to perform well in the University's general education core, students will have at least a 3.0 G.P.A. in high school, S.A.T. scores of 1100 or higher, and have achieved a "B" or better in English and other Liberal Arts subjects.

## ***Accreditation***

The degree programs of the International College 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).

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## **Division of Health Sciences**

### ***Mission Statement***

The Division of Health Sciences includes the College of Chiropractic, the College of Naturopathic Medicine, Acupuncture, the Nutrition Institute, the Fones School of Dental Hygiene. In accord with the mission of the University, the Division of Health Sciences seeks to establish itself as the leader in the development of integrated medicine, through education, research and clinical practice.

A variety of programs are offered through the Division, with particular emphasis placed on professional programs in the area of complementary and alternative medicine, notably Chiropractic and Naturopathic Medicine. The Division provides opportunities for students in different programs to interact through shared courses in basic sciences, as well as other courses of common interest. The highest ethical standards are expected of all students.

Clinic outreach provides care for those in the local urban area. Research facilities are an integral component of clinic.

Recognizing the need for alternatives to traditional, on-campus study in the area of health sciences, the Division offers an online program in Human Nutrition.

# Acupuncture Institute

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*Director:* Jennifer Brett, N.D.

*Admissions Coordinator:* Barbara Coppola

60 Lafayette Street

Telephone: (203) 576-4109

Facsimile: (203) 576-4107

E-mail: [acup@bridgeport.edu](mailto:acup@bridgeport.edu)

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*Faculty:* Bennett, Brett, Brady, DiVittorio, Galiger, Galton, Garber, Gross, Handwerger, Hugh, Ingels, Lee, Mattie, O'Brien, O'Toole, Ritterman, Rzucidlo, Zampieron, Zhang

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Oriental medicine 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. Oriental medicine has gained this respect by being the most ancient written form of medical therapy known.

Oriental medicine, which encompasses acupuncture, as well as herbal therapy, manual therapy, diet counseling, 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 traditional Oriental medicine.

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 Oriental 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 Oriental 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.

## ***Degree***

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

The University of Bridgeport Master of Science in Acupuncture degree program is accredited by the State of Connecticut Department of Higher Education.

With the addition of the Acupuncture degree program, the University of Bridgeport becomes the first comprehensive college or university in New England to offer such a degree program

## ***Mission Statement***

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's mission is to advance the discipline of oriental medical acupuncture through its educational program and related scholarly activities. The program seeks to educate its students to be productive, caring and responsible citizens and professionals. By providing a high level of professional education, the program will produce graduates with exceptional clinical skills who have the commitment and judgment necessary to act in the service of others.

As a part of the Health Sciences division of the University of Bridgeport, the program will:

1. Support and enhance the profession of acupuncture through scholarly activities, community service, and by educating the general public about the practice and benefits of acupuncture;
2. Encourage clinicians in all the health sciences to work cooperatively for the optimal health of patients; and
3. Assist in the development, at the University of Bridgeport, of a model for an integrated complementary care system.

The objectives of the Acupuncture Institute are to:

1. Provide comprehensive training in acupuncture and related techniques within the framework of traditional oriental medical theories;
2. Give student clinicians training that will help them work in either private practice settings or in concert with other health providers in integrative clinical settings; and
3. Produce graduates who can meet state and national licensure requirements.

## ***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 or residence hall for any cause. Students with outstanding balances will not be allowed 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 specialized courses.

The University does not assume responsibility for the loss of personal property of students either on or off the campus. It is rec-



# Acupuncture Institute

ommended that students protect themselves against such losses by consulting with their own (or with 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

The Master of Science in Acupuncture degree program is three years in length (36 months) and is scheduled on a semester basis. The curriculum of this major consists of six distinct areas:

### 1. ACUPUNCTURE PRACTICE AND TECHNIQUE

The acupuncture courses will introduce students to the theoretical and practical information of acupuncture therapy. The student will become proficient in the clinical applications of acupuncture, moxabustion, cupping and bleeding techniques. The student will learn to identify acupuncture points by anatomical location, palpation, and proportional measurement. The classification, function and indications for each acupuncture point will be discussed and demonstrated. In addition to the twelve bilateral channels, two midline vessels and six other extra meridians, forbidden and contraindication of points will be discussed. Extra points, auricular points and other categories of acupuncture points will be demonstrated.

### 2. ORIENTAL THEORY, DIAGNOSIS AND APPLICATION

The seven (7) Oriental medicine courses are designed to provide the student with an understanding of the scope, philosophy, theory and conceptual framework of Oriental medicine and how acupuncture specifically affects the body within the Oriental treatment paradigms.

### 3. WESTERN BIO-MEDICINE

The twelve (12) Western biomedical courses are designed to fully train the students in the western medical terms, history taking, physical exam and diagnostic skills. The student will also learn

how to make the appropriate referral and consultation, and the clinical relevance of laboratory and diagnostic tests and procedures.

### 4. HERBAL MEDICINE THEORY

The courses in Oriental and Western herbal medicine and dietetics are designed to provide the student with an general understanding of the philosophy, scope and uses of the major herbal therapies. Pharmacognosy, toxicology, drug-herb interactions and contraindications will also assist the student in knowing when symptoms may be secondary to prescription and over-the-counter medications or herbs. Discussion of the development of the classic herbal combinations will deepen the students' understanding of Five Element, Four and Six Stages of Disease diagnoses and treatments.

### 5. MOVEMENT AND RESPIRATION STUDIES

The six (6) 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 Oriental movement practices that can be used to maintain their own and their patients' health care needs. In addition, two courses of instruction in soft tissue technique will be covered.

### 6. CLINICAL SERVICES

The five (5) clinical services are designed to allow the student to develop interpersonal communication skills and clinical decision-making skills. In addition, students will learn professional conduct, efficiency and confidence in dealing with patients on a daily basis. From the inception through the end of clinical training, the student has the opportunity to observe and work with other health care professionals. This will allow the student to understand how and when to make appropriate referrals. By the end of clinical training, each student will have seen a minimum of 350 patients and completed 680 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 Qi Juan 1	0	1.5	27	1
ACS 512	CPR/Emergency Medicine	2	0	36	2
APT 512	Meridian Theory	2	0	36	2
					16.5
					2.5
					342
					18

### 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 Qi Juan 2	0	1.5	27	1
ANT 521	Western Nutrition	3	0	54	3
AWB 521	Clean Needle Technique	1.5	1	45	2
AWB 522	Research methodology	1	0	18	1
AWB 523	Pharmacology	1	0	18	1
					16
					3.5
					351
					18

### SEMESTER THREE

ACS 612	Clinical Diagnosis 1	3	2	90	4
ACS 611	Pathology 1	2	0	36	2
APT 614	Acupuncture Technique 1	2	2	72	3
AHM 612	Patent Remedies	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 1	3	0	54	3
ACS 711	Preceptorship 1	0	3	54	2
					15
					8.5
					423
					20

### SEMESTER FOUR

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	Qi Gong 2	0	1.5	27	1
APM 621	Palpation/Massage 1	0	2	54	2
APS 621	Psychological Assessment	2	0	36	2
APT 626	Auricular Acup	1	0	18	1
ACS 722	Preceptorship 2	0	2	54	2
					11
					9.5
					405
					18

# Acupuncture Institute

## SUMMER SESSION

ACS 631	Clinical Internship 1	0	10	200	8
APT 637	Japanese Acup Tech.	1	0	18	2
		1	10	218	10

## SEMESTER FIVE

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
ACS 712	Clinical Internship 2	0	10	200	8
AHM 713	Intro to Chinese herbal remedies	2	0	36	2
APT 718	Pediatric Acupuncture	1	0	18	1
ATD 717	Advanced Pulse/Tongue Dx	1	0	18	1
		9	12	398	18

## SEMESTER SIX

NUMBER	COURSE	LECT.	LAB	SEM.	CR.
AMR 726	Oriental Massage 2	1	2	54	2
ACS 724	Public Health	2	0	36	2
APP 721	Practice Management	2	0	36	2
ACS 723	Clinical Internship 3	0	10	200	8
AWB 621	Ethics	1	0	18	1
ATD 728	Acute Case Studies	1	0	18	1
ATD 729	Oriental Gynecology	1	0	18	1
		8	12	380	17

**Total All Semesters** 76.5 48 2517 118

Total: 118 Credits (Note that each preceptorship credit corresponds with 27 clock hours; each clinic credit corresponds with 25 clock hours)

708 clinical hours/ 1809 didactic hours  
828 Western basic & clinical sciences,  
981 Oriental Medicine

## CONTACT HOURS BY AREA:

<b>ORIENTAL THEORY, DIAGNOSIS AND APPLICATION</b>	<b>288</b>
Oriental History & Philosophy	18
Oriental Medical Theory	36
Oriental Diagnosis I	36
Oriental Diagnosis II	36
East-West Pathology	36
Oriental Internal Medicine	36
Ethics	18
Research Methods	18
Advanced Pulse & Tongue Diagnosis	18
Acute Case studies	18
Oriental Gynecology	18

## WESTERN BASIC & BIOMEDICAL SCIENCES ..... 648

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
Emergency Medicine/CPR	36
Public Health	36
Psychological Assessment	36
Pharmacology	18

## ACUPUNCTURE PRACTICE AND TECHNIQUES .... 405

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	45
Japanese Acupuncture Techniques	18
Pediatric Acupuncture Techniques	18
Practice Management	36

## HERBAL MEDICINE THEORY ..... 108

Botanical Medicine 1	54
Patent Remedies	18
Intro to Chinese Herbal Remedies	36

## NUTRITION/DIETETICS ..... 90

Western Nutrition	54
Oriental Dietetics	36

## MOVEMENT AND RESPIRATION STUDIES ..... 108

Tai Ji Chuan 1	27
Tai Ji Chuan 2	27
Qi Gong 1	27
Qi Gong 2	27
MASSAGE	162

## Palpation/Massage ..... 54

Oriental Massage 1	54
Oriental Massage 2	54

## CLINICAL EDUCATION ..... 708

Preceptorship 1	54
Preceptorship 2	54
Clinical Internship 1	200
Clinical Internship 2	200
Clinical Internship 3	200

## COURSE IDENTIFICATION

Course identification is as follows:

APT	Acupuncture Practice and Technique
ATD	Oriental Theory, Diagnosis and Application
AHM	Herbal Medicine Theory
AWB	Western Biomedicine
AMR	Movement and Respiration Studies
ACS	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

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 Technique

5 - year one

2 - second semester

4 - fourth course in 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 an "A" or 4 quality points being the highest grade attained. Grades with quality points are:

## GRADE QUALITY POINTS

A	4.0
B+	3.35
B	3.00
C+	2.5
C	2.00
D	1.00
F	0.00

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.

# Acupuncture Institute

## **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. 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 first day of the next 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 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 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 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 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 and 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**

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

1. Have successfully completed a minimum of 36 months of resident study in an accredited institution. The last 2 semesters (38 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 2.50 cumulative grade point average.
3. Have been recommended for graduation by the Faculty and Administration.
4. Have satisfactorily met all financial obligations to the Master of Science in Acupuncture degree program, Office of Financial Aid, publications of the class yearbook and commencement exercises.

### **GOOD ACADEMIC STANDING**

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

## **Academic Warning, Probation, Remediation 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 Director 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 one or more of the following is taking place:

1. Two or more grades of "D" are earned in a single semester.
2. 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" 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 Director of the Master of Science in Acupuncture degree program to determine what course will be taken to satisfy the requirements of remediation. In general, academic remediation requires a student to repeat all grades of "F", carry a reduced academic load and possibly repeat grades of "D".

# Acupuncture Institute

## 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 will be dismissed from the Master of Science in Acupuncture degree program.

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 Master of Science in Acupuncture degree program.

## DISMISSAL FROM THE MASTER OF SCIENCE IN ACUPUNCTURE DEGREE PROGRAM

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 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 contendere," 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. 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 Master of Science in Acupuncture degree program.

## WITHDRAWAL FROM THE PROGRAM

If a student withdraws from the University of Bridgeport Master of Science in Acupuncture degree program in good standing he or she is eligible for readmission. A student who withdraws when not in good ac-

ademic standing or, who leaves without officially withdrawing, seriously jeopardizes his or her chances of future readmission.

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

All requirements for the Master of Science degree must be completed within six 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.

## READMISSION TO THE PROGRAM

To be readmitted to the program after withdrawal, a student must write to the Director requesting readmission 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

All candidates for admission to the Master of Science in Acupuncture degree program must furnish proof of having acquired 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.

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*

Social Science/Humanities  
*3 semester hours*

General Biology/zoology/Anatomy and Physiology (with lab) – any combination  
*8 semester hours*

General Chemistry (with lab)  
*8 semester hours*

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

- Be course suitable for students majoring in sciences
- Consist of a first semester and second semester course in each subject
- Be passed with a grade "C" (2.50 on 4.00) or better
- Cumulative science quality point ratio must be 2.5 or better.
- Have a related laboratory
- Have been taken within the past seven years.

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.

## 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 done pre-professional study in foreign countries must submit official copies of the records of such study as well as certified 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

# Acupuncture Institute

documents to the Master of Science in Acupuncture degree program, the Director of Admissions will make contact with the prospective student.

All applicants whose native language is not English (including U.S. 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 Test of English as a Foreign Language (TOEFL) 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, U.S.A., OR;
2. Receipt of a grade of "C" or better in one semester of English at an accredited U.S. college or university.

## ***Application Deadlines***

Applications must be received prior to May 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.

## ***Transfer Credit***

The University of Bridgeport Master of Science in Acupuncture degree program 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 the University of Bridgeport Master of Science in Acupuncture degree program. If the University of Bridgeport Master of Science in Acupuncture degree program 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 University of Bridgeport Master of Science in Acupuncture degree program.
3. Any course to be transferred must have been passed with a grade of "C" or better (2.00 on a 4.00 scale.)
4. A transfer course must carry credit equal to the University of Bridgeport Master of Science in Acupuncture degree program courses for which credit is granted. The original grade earned is not transferred and does not affect the student's QPR at University of Bridgeport Master of Science in Acupuncture degree program.
5. In order to obtain transfer credit the student must have been granted an honorable withdrawal from the professional or graduate school attended.

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

Students wishing to transfer must provide the Director with an official transcript and a catalog from the acupuncture/Oriental medical, professional or graduate school from which they are transferring, as well as a syllabus from each course for which the student is requesting transfer credits.

# College of Chiropractic

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*Dean:* Frank Zolli

*Associate Dean for Academic Affairs:*

Anthony Onorato

Telephone: (203) 576-4279

75 Linden Avenue

*Director of Admissions:* Michael Granison

Telephone: (203) 576-4348

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*Faculty:* Behzadi, Bennett, Brady, Dube, Erickson, Galiger, Greenstein, Harrison, Lisi, Muhs, Onorato, Perle, Perrault, Rutkowski, Sawitzke, Sherman, Syed, Thomas, Zolli

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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.

## **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 effect 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 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.

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 to perform the professional obligation of a doctor of chiropractic.

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 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 Chiropractic Institutions, 1/2003).

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.

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.

Students from their first semester onward are instructed in the Clinical Sciences. Course offerings include: Chiropractic History, Chiropractic Principles and Practice,

# College of Chiropractic

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.

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 complete all courses in Semesters I thru VI, and successfully complete the clinical 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 or the state(s) they wish to practice in. 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 eighty eight 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 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

## Semester Based Curriculum

(18 WEEK PROGRAM PER SEMESTER)

NUMBER	COURSE	LECT.	LAB	SEM	CR.
<b>YEAR 1</b>					
<b>SEMESTER ONE</b>					
AN 511	Histology	3	2	90	4
AN 512	Functional Anatomy and Biomechanics I: Spine	3	4	126	5
PP 511	Principles and Practice I: Chiropractic History and Philosophy	2	0	36	2
BC 511	Biochemistry, Metabolism, and Nutrition	3	2	90	4
PP 512	Principles and Practice II: Communication Skills	2	0	36	2
PP 513	Principles and Practice III: Ethics	2	0	36	2
AN 513	General Anatomy I: Viscera	3	3	108	4.5
CH 511	Chiropractic Examination Skills I: Palpation	1	3	72	2.5
AN 514	Embryology I	1	0	18	1
		20	14	612	27
<b>SEMESTER TWO</b>					
DI 521	Diagnostic Imaging I: Normal Anatomy	1	2	54	2
PH 521	Physiology I	2	1	54	2.5
NS 521	Neuroscience I	2	2	72	3
PP 524	Principles and Practice IV: Subluxation Complex	2	0	36	2
AN 525	General Anatomy II: Head and Neck	3	3	108	4.5
DX 521	Diagnostic Skills I: Case History	1	2	54	2
AN 526	Functional Anatomy and Biomechanics II: Extremities	3	4	126	5
CH 522	Chiropractic Examination Skills II: Palpation	1	4	90	3
AN 527	Embryology II	1	0	18	1
		16	18	612	25

# College of Chiropractic

## YEAR TWO

### SEMESTER THREE

NS 612	Neuroscience II	4	2	108	5
PA 611	Fundamentals of Pathology	2	1	54	2.5
PH 612	Physiology II	4	2	108	5
TE 611	Technique Procedures: Soft Tissue	2	2	72	3
TE 612	Technique Procedures: Full Spine	2	2	72	3
DX 612	Diagnostic Skills II: Orthopedics and Neurology	2	4	108	4
DX 613	Diagnostic Skills III: Physical Examination	2	2	72	3
DI 612	Diagnostic Imaging II: Normal Anatomy	1	2	54	2
RS 611	Critical Evaluation of Literature	1	0	18	1
		20	17	666	28.5

### SEMESTER FOUR

PA 622	Systems Pathology II	4	2	108	5
TE 623	Technique Procedures: Full Spine	2	4	108	4
DI 623	Diagnostic Imaging III: Bone Pathology	2	2	72	3
DX 624	Laboratory Diagnosis	3	0	54	3
MB 621	Microbiology	4	2	108	5
DD 621	Differential Diagnosis I: Eyes, Ears, Nose, Throat	2	0	36	2
DX 625	Diagnostic Skills IV: Orthopedics and Neurology	2	4	108	4
CN 621	Clinical Nutrition I: Pathology and Assessment	2	0	36	2
RS 622	Research Methods	2	0	36	2
		23	14	666	30

## YEAR THREE

### SEMESTER FIVE

TE 714	Technique Procedures: Full Spine	2	4	108	4
DI 714	Diagnostic Imaging IV: Arthritis and Trauma	2	2	72	3
PT 711	Physiologic Therapeutics I	2	2	72	3
DD 712	Differential Diagnosis II: Visceral	4	2	108	5
CN 712	Clinical Nutrition II: Treatment and Management	2	0	36	2
PH 713	Toxicology/Pharmacology	3	0	54	3
PS 711	Clinical Psychology	2	0	36	2
ER 711	Emergency Procedures	1	2	54	2
PP 715	Principles and Practice VI: Jurisprudence	2	0	36	2
MB 712	Epidemiology/Public Health	3	0	54	3
RS 713	Thesis I	1	0	18	1
		24	12	648	30

### SEMESTER SIX

DI 725	Diagnostic Imaging V: Chest and Abdomen/Review	1	2	54	2
TE 725	Technique Procedures: Full Spine	2	4	108	4
DI 726	X-Ray Positioning and Physics	3	2	90	4
DX 726	Clinical Diagnosis: Dermatology/ Gynecology/Geriatrics	4	0	72	4
DD 723	Differential Diagnosis III: NMS	4	2	108	5
PT 722	Physiologic Therapeutics II: Rehabilitation	1	2	54	2
DX 727	Maternal and Child Health	3	0	54	3
CS 721	Clinic Services I	1	4	90	3
RS 724	Thesis II	1	0	18	1
		20	16	648	28

## YEAR FOUR

### SEMESTER SEVEN

Clinical Entrance Examination					
DI 827	X-Ray Review	0	2	36	1
CS 812	Clinical Services II	0	25	450	12.5
BP 811	Hospital Procedures, Insurance and Office Management	2	0	36	2
TE 816	Chiropractic Management: Case Diagnosis/Management/Technique Review/Critical Evaluation	0	6	108	3
RS 815	Thesis III	1	0	18	1
BP 812	Small Business Management	2	0	36	2
		5	33	648	21.5

### SEMESTER EIGHT

Clinical Competency Examination					
CS 823	Clinical Services III	0	25	450	12.5
		0	25	450	12.5

### SUMMER

Clinical Exit Examination					
CS 824	Clinical Services (6 Weeks)	0	25	150	4

**BASIC SCIENCES** 1404

**CLINICAL SCIENCES** 2592

**CLINICAL SERVICES** 1140

### 18 WEEK PROGRAM PER SEMESTER

**TOTAL HOURS** 5136

**BASIC SCIENCES** 1422

ANATOMY	594
Histology	90
Functional Anatomy I	126
General Anatomy I	108
General Anatomy II	108
Functional Anatomy II	126

Embryology I	18
Embryology II	18
PHYSIOLOGY	216
Physiology I	54
Physiology II	108
Toxicology/Pharmacology	54
BIOCHEMISTRY	90
NEUROSCIENCE	180
Neuroscience I	72
Neuroscience II	108
PATHOLOGY	162
Fundamentals of Pathology	54
Systems Pathology	108
MICROBIOLOGY & PUBLIC HEALTH	162
Microbiology	108
Epidemiology & Public Health	54

## CLINICAL SCIENCES 2592

PRINCIPLES, PRACTICE AND PHILOSOPHY	234
Chiropractic History	36
Ethics	36
Subluxation Complex	36
Communication Skills	36
Jurisprudence	36
Research	54
RADIOLOGY	432
Imaging I	54
Imaging II	54
Bone Pathology	72
Arthritis	72
Chest	54
Positioning & Physics	90
Review	36
RESEARCH	54
Thesis I, II & III	54
PHYSIOLOGIC THERAPEUTICS	126
Physiologic Therapeutics I	72
Physiologic Therapeutics II	54
Differential Diagnosis	288
Differential Diagnosis I	36
Differential Diagnosis II	108
Differential Diagnosis III	108
Psychology	36
CHIROPRACTIC SKILLS & TECHNIQUE	738
Exam Skills I	72
Exam Skills II	90
Technique Procedures	72
Technique Procedures	72
Technique Procedures	108
Technique Procedures	108
Technique Procedures	108
Chiropractic Case Management	108



# College of Chiropractic

DIAGNOSIS .....	522
History I .....	54
Skills II .....	108
Skills III .....	72
Laboratory Diagnosis .....	54
Skills IV .....	108
Clinical Diagnosis .....	72
Maternal/Child Health .....	54
NUTRITION .....	72
Nutrition I .....	36
Nutrition II .....	36
Emergency Procedures .....	54
BUSINESS PROCEDURES .....	72
Hospital/Ins./Office Procedures .....	36
Small Business Management .....	36
<b>CLINICAL SERVICES .....</b>	<b>1140</b>
Clinic I .....	90
Clinic II .....	450
Clinic III .....	450
Clinic IV .....	150

Course identification for the semester curriculum is as follows:

## BASIC SCIENCES

AN Anatomy	BC Biochemistry
MB Microbiology	NS Neuroscience
& Public Health	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
- 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	1.0
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. 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 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

# College of Chiropractic

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.
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.
6. Have successfully completed the thesis requirements. All students are responsible for compliance with currently accepted UBCC research guidelines at the time of submission of the completed research paper to the Research and Scholarship Committee.

## 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 suc-

cessfully achieved the following criteria upon completion of their most recent semester of course work:

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

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 one or more of the following is taking place:

1. Two or more grades of "D" are earned in a single semester.
2. 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" 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 re-taken to satisfy the requirements of Remediation. In general, academic Remediation requires a student to repeat all grades of "F", carry a reduced academic load and possibly repeat grades of "D".

## 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. 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 contendere," 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.

# College of Chiropractic

## 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 readmission 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/Zoo/Anat & Phys (w/ Lab)  
*6 Semester Hours (2 consecutive courses)*

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

All bio/zoo/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.

# College of Chiropractic

## ***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:
  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 Credit and Advanced Standing***

### **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 (2.00 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.

# College of Naturopathic Medicine

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*Dean:* Guru Sandesh Singh Khalsa

*Associate Dean for Academic Affairs:*

Eleonore Herschberger

*Clinic Director:*

Christina Arbogast

*Dispensary Manager:*

Carla Hutt

(203) 576-4122

*Assistant to the Dean:*

Carol Yoon

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60 Lafayette Street

(203) 576-4109

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*Director of Admissions:* Somesh Kaushik, N.D.

126 Park Avenue

Bridgeport, CT 06604

(203) 576-4108

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Faculty: Arbogast, Belanger, Bennett, Berry, Bowman, Brady, Breton, Brett, Clark, Cohen, Conner, DeMarco, Dion, Erickson, Fine, Galiger, Galton, Garber, Green, Gross, Hanlon, Herschberger, Hughes, Hutt, Kelly, Kendler, Levitt, Longenacker, Martin, Mattie, Mulready, Nash, Perillo, Perrault, Phillips, Rho, Savastio, Sommer, Terry, Ueda, White, Yanover, Zampieron, Zehavi, Zeitlin

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Naturopathic medicine is an independent profession of primary health care physicians who integrate age-old traditions of healing with modern scientific diagnostic skills. Naturopathic physicians are the only modern health care providers who receive comprehensive training in what is now considered complementary and alternative medicines. While most naturopathic physicians provide comprehensive family care as private practitioners, new opportunities for practice in integrated health care settings, in education and in research are appearing at a rapid rate. The scope of practice includes all aspects of family practice, from obstetrics to geriatrics.

For the past century, naturopathic doctors have championed natural and physiological treatment for the prevention and treatment of disease. While the term "naturopathy," is little more than a hundred years old, it rep-

resents ideas of health care that go back to the beginning of time. Hippocrates recognition of the therapeutic value of food and the Ayurvedic physicians recognition of the importance of spirit to health are very much in line with modern naturopathic ideals.

Naturopathic medicine originated in the eastern United States when German immigrants integrated European nature cure with an eclectic blend of medical therapies being practiced in America. The first school of naturopathy was founded in New York City in the early years of the 20th Century. As the public interest in natural therapies declined during the middle of the century, the profession flourished primarily in the Northwest. With the founding of the College of Naturopathic Medicine at the University of Bridgeport, naturopathic medical education has returned to its roots.

The University of Bridgeport College of Naturopathic Medicine offers a professional program that requires four years of full-time academic and clinical study of the normal and abnormal structure and function of the human being, the diagnosis, treatment and prevention of disease, and the promotion of optimal health. There are no correspondence nor distance-learning courses offered.

## **Degree**

Doctor of Naturopathic Medicine (N.D.)

## **Recognition and Memberships**

The naturopathic medical program offered by the University of Bridgeport College of Naturopathic Medicine received accreditation for the Connecticut State Department of Higher Education in May 2000 and was granted Candidacy Status by the Council on Naturopathic Medical Education in March 2001. The college offers a curriculum designed to meet the highest national standards for naturopathic medical education. UBCNM is an institutional member of the American Association of Naturopathic Physicians and a member of the Council on Naturopathic Medical Education.

## **Mission Statement**

The mission of the College of Naturopathic Medicine is to train the next generation of naturopathic physicians.

- as competent and caring clinicians;
- as insightful scholars and researchers; and
- as courageous leaders in the integration of natural medicine into the health care system.

The College of Naturopathic Medicine is an integrated unit of the University of Bridgeport, a private, non-sectarian, comprehensive university. The College's mission is to provide appropriate educational experiences to prepare candidates to become doctors of naturopathic medicine. The College seeks: to teach and search for new knowledge; to educate men and women of personal integrity and social conscience; and to maintain close relationships among faculty, students and community professionals. In keeping with the international focus of the University-wide mission, the College of Naturopathic Medicine emphasizes the importance of understanding the traditional medical systems of the world.

The College has identified the following goals in support of its mission:

1. Provide an educational program for the training of generalist naturopathic physicians able to competently provide comprehensive natural health care.
2. Provide comprehensive natural health care through the Integrated Health Science Center and in conjunction with a variety of community agencies.
3. Provide postgraduate training for graduates of naturopathic medical schools. This will include residency training in such areas as general naturopathic care, geriatrics, complementary cancer care and preventive medicine, as well as graduate training in such areas as obstetrics, business and public health.
4. Conduct basic, clinical and outcomes research on natural and alternative therapeutics.

# College of Naturopathic Medicine

5. Provide continuing education to health care professionals.
6. Provide community education on science based natural therapies to interested lay people.

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:

## Principles

**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 encourage self-responsibility for 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. Methods and modalities are selected and applied based upon these principles in relationship to the individual needs of each patient. Diagnostic and therapeutic methods are selected from various sources and systems, and will continue to evolve with the progress of knowledge.

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

## Curriculum

The curriculum is designed to prepare graduates of the program to be competent, caring, well-trained physicians offering comprehensive care using the traditional methods and modalities of Naturopathic Medicine.

There are essentially three broad areas of professional education. These are the basic sciences, clinical science, and clinical education or services.

Much of the first two (academic) years of training is devoted to the basic sciences such as anatomy, physiology, pathology and clinical and physical diagnosis.

The philosophy, history, and principles of Naturopathic Medicine are also introduced during these years. One course each semester serves as a focal point in the curriculum to bring practical application and clinical relevance to the subject matter being covered in other courses.

The second two (academic) years consist largely of the clinical sciences. This includes instruction on the modalities of Naturopathic Medicine such as nutrition, botanical medicine, physical medicine, homeopathy, and Oriental medicine, and the application of these therapies to pediatrics, gastroenterology, urology, gynecology, orthopedics, neurology, otolaryngology, cardiology, and other bodily systems.

The third area of emphasis is clinical education which provides the practical hands-on integration of didactic learning with patient treatment. Students will care for patients under the supervision and direction of Naturopathic Physicians as well as medical, osteopathic and chiropractic physicians as appropriate. The clinical training in the UB Health Center and offsite community clinics in the surrounding area will begin in Semester V and continue through Semester VIII, and includes required time in Summer recess clinical programs before or during the fourth academic year. To be eligible for clinical education training and credit, students must be in good academic standing, successfully complete all 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 and the required summer recess clinical program. There are 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 511	Anatomy I	4	3	126	5.5
NBS 512	Histology	3	2	90	4
NBS 513	Embryology I	1	0	18	1
NBS 514	Biochemistry	3	2	90	4
NBS 515	Physiology I	2	2	72	3
NCS 511	Diag. Skills I: History Taking	1	0	18	1
NPM 511	Liv. Anatomy I: Massage	1	2	54	2
NPP 511	Naturopathic Hist. & Phil.	2	0	36	2
NPP 512	Philosophy of Nat. Medicine	1	0	18	1
NPS 511	Physician Heal Thyself	1	0	18	1
NRS 512	Critical Thinking	1	0	18	1
		20	11	558	25.5

#### SEMESTER II

NUMBER	COURSE	LECT.	LAB	SEM.	CR.
NBS 521	Anatomy II	4	3	126	5.5
NBS 522	Microbiology	4	2	108	5
NBS 523	Embryology II	1	0	18	1
NBS 525	Physiology II	4	2	108	5
NCS 521	Diag. Skills: Phys. Exam	2	2	72	3
NNT 521	Nutrition I	4	0	72	4
NPP 521	Introd. to Natural Therapy	1	0	??	1
NPS 521	Counseling Skills I	2	0	36	2
		22	9	558	26.5

### YEAR 2

#### SEMESTER III

NUMBER	COURSE	LECT.	LAB	SEM.	CR.
NPM 612	Physiological Therapeutic	2	2	72	3
NBM 611	Botanical Medicine I	3	0	54	3
NBS 611	Neuroscience	2	0	36	2
NCS 611	Pathology I	2	2	72	3
NCS 612	Clinical Diagnosis I	5	0	90	5
NCS 613	Public Health/Epidemiology	3	2	54	3
NCS 616	Immunology	2	0	36	2
NCS 614	Public Health/Epidem.	3	0	54	3
NOM 611	Oriental Medicine I	4	0	72	4
NPM 611	Hydrotherapy	1	2	54	2
		24	6	540	27

#### SEMESTER IV

NUMBER	COURSE	LECT.	LAB	SEM.	CR.
NBM 621	Botanical Medicine II	3	0	54	3
NCS 621	Pathology II	4	2	108	5
NCS 622	Clinical Diagnosis II	3	2	90	4
NCS 627	Lab Diagnosis I	3	0	54	3
NHM 621	Homeopathy I	2	0	36	2

NPM 621	Physiological Therapeutics	2	2	72	3
NPM 621	Liv. Anat. II: Palpatation I	1	2	54	2
NNT 621	Nutrition II	4	0	72	4
NCS	Clinic Entry				
NCS	Neurophysiology				
NCS 623	Laboratory Diagnosis I	3	0	54	3
NCS 623L	Laboratory Diagnosis Laboratory	0	2	36	1
		19	4	468	24.0

### YEAR 3

#### SEMESTER V

NUMBER	COURSE	LECT.	LAB	SEM.	CR.
NCE 711	Clinical Education I	0	12	216	6
NCS 711	Diagnostic Imaging I	2	0	36	2
NCS 712	Medical Genetics	1	0	18	1
NCS 713	Laboratory Diagnosis II	2	2	72	3
NCS 714	Clinical Forum I	0	2	36	1
NHM 711	Homeopathy II	3	0	54	3
NPM 711	Naturo. Manip. Ther. I	2	4	108	4
NPS 711	Counseling Skills II	1	1	36	1.5
NPS 712	Doctor/Patient Relationship	0.5	1	27	1
		11.5	22	603	22.5

#### Semester VI

NUMBER	COURSE	LECT.	LAB	SEM.	CR.
NNP 711	Gynecology	3	0	54	3
NCE 721	Clinical Education II	0	12	216	6
NCS 721	Pharmacology I	2	0	36	2
NCS 722	Diagnostic Imaging II	2	0	36	2
NCS 723	Clinic Forum II	0	2	36	1
NHM 721	Homeopathy III	3	0	54	3
NNP 721	Pediatrics	2	0	36	2
NNP 722	Cardiology	2	0	36	2
NNP 723	Gastroenterology	2	0	36	2
NPM 721	Naturo. Manip. Ther. II	2	4	108	4
NPS 721	Psychological Assessment	1.5	0	27	1.5
		19.5	18	675	28.5

#### SUMMER

NCE 731	Clinical Education III	0	8	144	4
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### YEAR 4

#### SEMESTER VII

NUMBER	COURSE	LECT.	LAB	SEM.	CR.
NNP 724	Minor Surgery	1	1	36	1.5
NCE 811	Clinical Education IV	0	20	360	10
NCS 724	Emergency Procedure	2	0	36	2
NCS 811	Pharmacology II	2	0	36	2
NCS 812	Environmental Medicine	1.5	0	27	1.5
NNP 811	EENT	1.5	0	27	1.5
NNP 812	Endocrinology	1.5	0	27	1.5
NNP 813	Neurology	1.5	0	27	1.5

NPP 812	Practice Management	2	0	36	2
NPS 811	Addictions and Disorders	1	0	18	1
NOB 811	Obstetrics I	2	0	36	2
NRS 811	Research I	1	0	18	1
		17.0	21	684	27.5

#### SEMESTER VIII

NUMBER	COURSE	LECT.	LAB	SEM.	CR.
NPP 822	Practice Management II	1.5	0	27	1.5
NPM 821	Prev./Ther. Exercise	1	0	18	1
NNP 821	Geriatrics	1	0	18	1
NNP 822	Urology/Proctology	1.5	0	27	1.5
NNP 823	Oncology	1.5	0	27	1.5
NPM 822	Orthopedics/Sports Med.	1.5	0	27	1.5
NPP 821	Med. Jurisprudence/Ethics	1.5	0	27	1.5
NRS 821	Research II	1	0	18	1
NCE 821	Clinical Education V	0	20	360	10
		12	20	576	22

NUMBER	COURSE	LECT.	LAB	SEM.	CR.
Academic (Basic & Clinical)		148	47	3510	171.5
Clinical Service		0	72	1296	36.0
GRAND TOTALS		148	119	4806	207.5

## Elective Courses

To address the scope of the clinical skills required of a naturopathic physician. The desire of many students to pursue areas of special clinical interest, and the academic requirements for specialty practice in many states, electives will be offered during a summer intensive program. Students will be eligible to take advanced elective courses when offered, in botanical medicine, homeopathic medicine, Ayurvedic medicine and minor surgery after completing the pre-requisite courses for these electives in the professional curriculum.

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. Elective courses will be developed and added as necessary to meet these legal requirements.

# College of Naturopathic Medicine

## Contact Hours By Area

### BASIC SCIENCES \_\_\_\_\_ 792

Anatomy I .....	126
Anatomy II .....	126
Histology .....	90
Embryology I .....	18
Embryology II .....	18
Biochemistry .....	90
Physiology I .....	72
Physiology II .....	108
Microbiology .....	108
Neuroscience .....	36

### BOTANICAL MEDICINE \_\_\_\_\_ 108

Botanical Medicine I .....	54
Botanical Medicine II .....	54

### CLINICAL NUTRITION \_\_\_\_\_ 144

Nutrition I .....	72
Nutrition II .....	72

### CLINICAL SCIENCES \_\_\_\_\_ 999

Diagnostic Skills: History Taking .....	18
Pathology I .....	72
Pathology II .....	108
Clinical Diagnosis I .....	108
Diagnosis Skills: Physical Exam .....	72
Clinical Diagnosis II .....	108
Laboratory Diagnosis I .....	54
Laboratory Diagnosis II .....	72
Public Health/Epidemiology .....	54
Clinical Forum I .....	36
Clinical Forum II .....	36
Diagnostic Imaging I .....	36
Diagnostic Imaging II .....	36
Immunology .....	36
Emergency Procedure .....	36
Medical Genetics .....	18
Pharmacology .....	36
Pharmacology II .....	36
Environmental Medicine .....	27

### HOMEOPATHIC MEDICINE \_\_\_\_\_ 144

Homeopathy I .....	36
Homeopathy II .....	54
Homeopathy III .....	54

### NATUROPATHIC OBSTETRICS \_\_\_\_\_ 36

Obstetrics I .....	36
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### NATUROPATHIC PRACTICE/ ORGAN SYSTEMS \_\_\_\_\_ 378

Gynecology .....	54
Pediatrics .....	36
Cardiology .....	36
Gastroenterology .....	36
Minor Surgery .....	36
Eye, Ear, Nose and Throat .....	27
Endocrinology .....	27
Neurology .....	27
Geriatrics .....	18
Urology/Proctology .....	27
Oncology .....	27
Dermatology .....	27

### NATUROPATHIC PRINCIPLES AND PRACTICE \_\_\_\_\_ 162

Naturopathic History & Philosophy .....	36
Naturopathic Philosophy & Therapeutics .....	36
Practice Management I .....	36
Practice Management II .....	27
Medical Jurisprudence and Ethics .....	27

### ORIENTAL MEDICINE \_\_\_\_\_ 72

Oriental Medicine I .....	72
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### PHYSICAL MEDICINE \_\_\_\_\_ 495

Living Anatomy I .....	54
Living Anatomy II .....	54
Hydrotherapy .....	54
Physiological Therapeutics .....	72
Naturopathic Manipulative Therapeutics I .....	108
Naturopathic Manipulative Therapeutics II .....	108
Preventive/Therapeutic Exercise .....	18
Orthopedics/Sports Medicine .....	27

### PSYCHOLOGY \_\_\_\_\_ 162

Physician Heal Thyself .....	18
Communication Skills .....	36
Counseling Skills and Technique .....	36
The Doctor/Patient Relationship .....	27
Psychological Assessment .....	27
Addictions and Disorders .....	18

### RESEARCH \_\_\_\_\_ 54

Critical thinking .....	18
Thesis I .....	18
Thesis II .....	18

### CLINICAL EDUCATION \_\_\_\_\_ 1,296

Clinical Education I .....	216
Clinical Education II .....	216
Clinical Education III .....	144
Clinical Education IV .....	360
Clinical Education V .....	360

### 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
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
- 2 - semester two
- 5 - fifth course in area sequence

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:



# College of Naturopathic Medicine

## 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).

## 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 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 for 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 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 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

### 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 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 Naturopathic Medicine.

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, Office of Financial Aid, publication of the class yearbook and commencement exercises.

### 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, Remediation 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 one or more of the following is taking place:

1. Two or more grades of "D" are earned in a single semester.
2. 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 stu-

# College of Naturopathic Medicine

dent receives a grade of “F” in one or more courses. A student on academic probation is neither eligible to carry a full academic course load nor participate in Clinic.

## ACADEMIC REMEDIATION

A student on academic probation and possibly academic warning may 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 taken to satisfy the requirements of remediation. In general, academic remediation requires a student to remediate all grades of “D” and “F”.

## 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 will 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 will be academically dismissed from the College of Naturopathic Medicine.

## DISMISSAL FROM THE COLLEGE

Academic inadequacies are not the only reason 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 contendere,” 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. 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.

## WITHDRAWAL FROM THE PROGRAM

If a student withdraws from the University of Bridgeport College of Naturopathic Medicine 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 reenter 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 readmission 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 admission requirements for the Doctor of Naturopathic Medicine degree program at the University of Bridgeport are:

All 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. Pre-professional education acquired must have been completed with a minimum cumulative Quality Point Ratio of 2.50 on a 4.00 scale.

All candidates must have completed 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 and Physiology (with lab)  
*8 semester hours*

General Chemistry (with lab)  
*8 semester hours*

Organic Chemistry (with lab)  
*8 semester hours*

General Physics (with lab)  
*4 semester hours*

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

- Be course 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 must be 2.5 or better.
- Have a related laboratory.
- Have been taken within the past seven years.

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

Applicants must understand that possession of minimum entrance 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.

# College of Naturopathic Medicine

## **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 of all college records.
2. Three letters of recommendation, one of which is from a health care professional.

## **International Applicants**

International applicants must complete an Application for International Students as well as an Application to the College of Naturopathic Medicine. Applicants who have done pre-professional study in foreign countries must submit official copies of the records of such study as well as certified translations if the original records are not in English. 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 UBCNM, the Director of Admissions will make contact with the prospective student.

All applicants whose native language is not English (including U.S. 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 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, U.S.A., or;
2. Receipt of a grade of "C" 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 University of Bridgeport's English Language Institute.

Application Deadlines and Notification of Acceptance

Applications for admission may be submitted at any time. Notification of acceptance will be made as soon as possible, however, general admission to the program occurs only with the fall terms. Only advanced placement and/or transfer students are accepted for spring term.

## **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 "C" or better (2.00 on a 4.00 scale.)
4. A transfer course must carry credit equal to the UBCNM course for which credit is granted. The original grade earned is not transferred and does not affect the student's QPR at UBCNM.
5. In order to obtain transfer credit the student must have been granted an honorable withdrawal from the professional or graduate school attended.

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 an official transcript and a catalog from the naturopathic, professional or graduate school from which they are transferring, as well as a syllabus from each course for which the student is requesting transfer credits. A letter needs to be provided 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 transfer 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 meet the same admission requirements as entering first year students, and must have left their previous program in good academic standing. 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. Students are required to be in residence at the University of Bridgeport for a minimum of two years and complete all clinical internship requirements here.

Students with advanced standing are responsible for determining their eligibility for writing the NPLEX examination or for waiver of Part I of the NPLEX.

## **Selection of Candidates**

The University of Bridgeport College of Naturopathic Medicine 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 become a helping professional and, more specifically, a physician.

# College of Naturopathic Medicine

3. Initiative and honesty as evidenced in the candidate's 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 Naturopathic Medicine.

## ***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 cancelled 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 naturopathic program in order to be qualified to apply for a state licensing examination.

## ***Licensing and Professional Societies***

Currently, Doctors of Naturopathic Medicine are licensed in 13 states: Alaska, Arizona, California, Connecticut, Hawaii, Kansas, Maine, Montana, New Hampshire, Oregon, Utah, Vermont and Washington. Licensure also exists in Puerto Rico, the District of Columbia and the American Virgin Islands, as well as several Canadian provinces. Graduates of approved naturopathic colleges take a national standardized examination called the Naturopathic Physicians Licensing Examination (NPLEX) to be eligible for licensing in most states.

For specific professional requirements for licensing, candidates should contact the appropriate State Board of Naturopathic Examiners or the designated State licensing agency.

Most states have a professional naturopathic association, and the American Association of Naturopathic Physicians (AANP) is the national professional association for naturopathic medicine.

## ***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.

## ***Information Subject\****

Joint degree programs within 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. Certain 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/DC — dual doctoral degrees with the College of Chiropractic; ND/MS in Acupuncture; ND/MS in Nutrition.

\*These degree programs are also available for students pursuing the Doctor of Chiropractic degree. For more information, please see the respective deans or director.

## **JOINT ND/DC PROGRAM**

Students who are enrolled in the College of Naturopathic Medicine who also wish to receive a Doctor of Chiropractic degree must be in good academic standing and be recommended by both the Dean of the College of Naturopathic Medicine and the Dean of the College of Chiropractic. They will be admitted with advanced standing. Basic medical science coursework and certain other courses will be transferred into the Chiropractic program. It will take a student approximately two to two and a half additional years to complete the dual degree of Doctor of Naturopathic Medicine and Doctor of Chiropractic (ND/DC).

## **JOINT ND/MS ACUPUNCTURE**

Students who have completed the second semester of naturopathic medical studies in good academic standing will be recommended by the Dean of the College of Naturopathic Medicine for entry into the Master's Program 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 Oriental Medicine. 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.

# College of Naturopathic Medicine

## 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
		<b>6</b>

### 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
		<b>7</b>

### SEMESTER FIVE:

AMR 522	Tai ji Chuan II	1
APT 614	Acupuncture Techniques I	3
AHM 612	MMI: Patent Remedies	1
		<b>5</b>

### SEMESTER SIX:

APT 625	Acupuncture Techniques II	3
AHM 613	Oriental Dietetics	2
AMR 613	Qi Gong I	1
		<b>5</b>

### SEMESTER SEVEN:

AMR 624	Qi Gong II	1
AMR 715	Oriental Massage I	2
APT 621	Auricular Acupuncture	2
		<b>5</b>

### SEMESTER EIGHT:

ABM 521	Oriental Bot Med I	2
ATD 711	East-West Path	2
AWB 621	Ethics	1
		<b>5</b>

### SUMMER SESSION – AFTER ND GRAD.:

ACS 631	Clinic Internship I	8
		<b>8</b>

### 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
		<b>14</b>

### SPRING – AFTER ND GRADUATION:

ATD 715	Oriental Internal Medicine	2
ACS 723	Clinic Internship III	8
ACS 722	Preceptorship II	2
		<b>12</b>

Total from Oriental Med Dept:

### 67 Credits/1260 hours

+ Oriental Med I (from ND program)

### 71 Credits/1404 hours

Total: 630 Clinical/774 Didactic

In Oriental Medicine

846 hrs. transferred from ND

## JOINT ND/MS NUTRITION

Students who have completed the fifth semester of naturopathic studies with a 3.0 G.P.A. will be recommended 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 Dr. Blonnie Thompson, Director of the 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
		<b>Total Nutrition Credits Granted 18</b>

\*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
		<b>Total Nutrition Credits Required 13</b>

# Fones School of Dental Hygiene

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*Director:* Meg Zayan  
Eleonor Naylor Dana Building  
Telephone: (203) 576-4138

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*Online Coordinator:* Marcia Lorentzen  
E.N.D. Hall, Room 201A  
Telephone: (203) 576-4138  
Email: [marcia@bridgeport.edu](mailto:marcia@bridgeport.edu)

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*Faculty:* Greco, Grosso, Lorentzen, Zayan

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## **Degree Programs**

Dental Hygiene (A.S., B.S.)

## **Description**

The Fones School of Dental Hygiene, established in 1949, was named for Dr. Alfred Civialon Fones, the dentist who was instrumental not only in the University of Bridgeport, but also the world dental hygiene movement. 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.

## **Physical 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.

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 dental hygiene clinical procedures.
2. The student must possess manual dexterity so that she/he may perform 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.
3. The student must have the ability to stand in order to perform manipulative and other procedures.
4. The student must have learning and visual senses, appropriately assisted if needed, acute enough to 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.

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.

## **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 Graduate and Undergraduate Studies 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.

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.

# Fones School of Dental Hygiene

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 accredited 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 (16-19 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 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 [www.bridgeport.edu/scps/dental.htm](http://www.bridgeport.edu/scps/dental.htm) 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

### **ONLINE ORIENTATION**

All students participate in an online orienta-

tion 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
DH 301	Dental Hygiene Practice	3
DH 302	Instructional Strategies	3
DH 304	Dental Hygiene Internship	3-6
DH 305	Dental Hygiene Research	3
DH 306	Contemporary D.H. Practice	4
HS 201	Introduction to Counseling	3
HUM C201	Humanities I	3
FA C101	Fine Arts	3
HUM C202	Humanities II	3
SOSC C201	Social Science core elective	3
MKTG 305	Principles of Marketing	3
<i>or</i>		
PSYC 314	Educational Psychology	3
<i>or</i>		
GERO 351	Social Gerontology	3
CAPS C390	Capstone Seminar	3
	Electives	12

### **FOR MORE INFORMATION**

Office of Distance Education  
126 Park Avenue, Bridgeport, CT 06604  
Phone: 1-800-470-7307  
Email: [ubonline@bridgeport.edu](mailto:ubonline@bridgeport.edu)  
Website: <http://www.bridgeport.edu/scps/dental.htm>

# Nutrition Institute

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*Director:* David M. Brady  
Eleanor Dana Hall, Room 113  
Telephone: (203) 576-4667  
Email: nutrition@bridgeport.edu

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## **Degree Program**

Human Nutrition (M.S.)

## **Mission Statement**

The mission of the human nutrition program is to provide a sound biochemical and physiological study of nutrition which will allow students to understand the complex interrelationships between nutrition and health. The program further aims to explore the role of nutrition as a preventative, adjunctive, and alternative strategy for the prevention and amelioration of specific disorders. The program aims to provide this comprehensive study to individuals with busy schedules who would otherwise not be able to complete a graduate program without interrupting their work schedules. The program is accessible to these individuals through classes which are held Saturday and Sunday, from 9:00 am to 5:00 pm., one weekend each month for eighteen months; or through a distance learning format in which the program is offered online, concurrent with the weekend program.

In support of the mission of the Nutrition Institute, the curriculum and educational experiences within the Nutrition program are designed to:

1. Provide a foundation in basic and clinical nutrition that supports the entry of graduates into doctoral nutrition programs.
2. Encourage original and critical thinking among its students through self expression in classroom settings and through their research.
3. Encourage the maintenance of an awareness of current trends in nutrition through available periodicals.
4. Provide opportunities for students to gain practical experience through internship affiliations with area complementary and alternative health facilities.
5. Promote scientific interchange among local students and students across the

nation through local and national meetings and through the online program.

6. Provide an opportunity for medical, chiropractic, and other healthcare providers to expand their practice through skills and knowledge gained from graduate studies in nutrition.

The Nutrition Institute's Masters' Program is designed and accessible to students with busy schedules. Classes are held on campus Saturday and Sunday, from 9 a.m. to 5 p.m., just one weekend each month for 18 months.

The University of Bridgeport's distance education program also offers this same Masters' Program online, concurrent with the weekend program.

## **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.

## **Admission Criteria and Procedures**

Applicants for admission to the Nutrition Program should hold a baccalaureate degree from an accredited college or university with an above average academic record and course work in Human Anatomy and Physiology and Organic Chemistry or Introductory Biochemistry.

A personal statement, two letters of recommendation, and academic work beyond the baccalaureate degree, are also considered in the evaluation for admission to the program.

## **Registration Requirements**

All students are required to register with the University Registrar. However, if this is now possible, the student may mail registration forms directly to the Nutrition Institute or register in person at the Nutrition Institute on or before the first day of class.

## **Degree Requirements**

Degree candidates must complete the courses listed in the 31-semester hour curriculum, including an independent research project, with a minimum QPR of 3.0 (B average).

## **Pre-Human Nutrition Program**

The University offers the prerequisites, Anatomy and Physiology and Introduction to Biochemistry in an accelerated weekend program. The courses are offered annually, in May and September. Students must achieve a minimum grade of B in each prerequisite course in order to enter the Master's degree program.

## **Basic Nutrition Program**

All students enrolled in the Master's program who have not taken a basic nutrition course will be required to take Nutr 123, Nutrition Seminar which is offered annually, in January and May, after first semester courses.

## **Joint Programs**

Joint programs with the College of Chiropractic and the College of 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, will be recommended by their respective deans for entry into the Master's program at an advanced level.

## **Joint DC/MS Program**

Students from the College of Chiropractic will enter the second semester of the Nutrition Program. They will be required to complete a total of 17 semester hours of required nutrition courses (560C and 560F-560M), and 3 semester hours from an elective course.

## **Joint ND/MS Program**

Students from the College of Naturopathic Medicine will enter the third semester of the Nutrition Program. They will be required



# Nutrition Institute

to complete a total of 13 semester hours of required nutrition courses (560F-560M) and receive 3 credits from the Botanical Medicine course taken in the Naturopathic Program to fulfill the elective course requirement in the Nutrition Program.

## ***Pre-Human Nutrition Curriculum***

Nutr 121	Anatomy and Physiology I, II	6
Nutr 122	Introduction to Biochemistry	4

## ***Basic Nutrition Curriculum***

Nutr 123	Nutrition Seminar	1
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## ***Master of Science Curriculum***

Nutr 560A	Pathophysiologic Basis of Metabolic Disease	4
Nutr 560B	Biochemistry of Nutrition	4
Nutr 560C	Vitamins and Minerals	4
Nutr 560D	Clinical Biochemistry	3
Nutr 560E	Assessment of Nutritional Status	3
Nutr 560F	Nutritional Therapeutics	4
Nutr 560H	Developmental Nutrition	3
Nutr 560J	Research in Nutrition	3
Nutr 560M	Biostatistics	3

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**31**

### Elective Courses

Nutr 560L	Nutrition and Exercise	3
Nutr 560P	Botanical Medicine	3

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**6**

# School of Continuing And Professional Studies

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*Dean:* Michael Giampaoli  
*Associate Dean:* Sharon Klebe  
Wahlstrom Library, Garden Level  
Telephone: (203) 576-4168  
Telephone: (203) 358-0700  
E-mail: [scpsinfo@bridgeport.edu](mailto:scpsinfo@bridgeport.edu)  
website: [www.bridgeport.edu/scps](http://www.bridgeport.edu/scps)

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The School of Continuing and Professional Studies (SCPS) was established in 1999 to serve 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

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*Director:* Eileen Sheridan  
*Academic Advisor:* Yvrose Romulus  
Wahlstrom Library, Garden Level  
Telephone: (203)576-4800  
Email: [idealinfo@bridgeport.edu](mailto:idealinfo@bridgeport.edu)

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Many people, for one reason or another, began but never completed a Bachelor's degree. The IDEAL Program allows for you to finish what you started – build upon what you have accomplished in your life. In the IDEAL Program we offer you personalized, professional, relevant undergraduate education with convenient access to service and information.

Advancing your education is about more than getting a degree or diploma – it's about taking a giant step towards a better future. It means you are on the road to a higher salary, promotions, and the respect you deserve from your employers and co-workers.

IDEAL (Innovative Degree Excellence in Accelerated Learning) was the first accelerated degree program in Connecticut, beginning in 1988 and expanding into four locations throughout the state. Accredited by the New England Association for Schools and Colleges, University of Bridgeport's IDEAL Program gets you on an accelerated track to achieve your educational aspirations.

The IDEAL Program gives adults age 23 or over, with previous college credits, the opportunity to complete a bachelor's degree at a time and place convenient to you. You can choose from evening, weekend and online courses at a variety of locations. The degree completion program offers degrees in:

- BS in Business Administration
- BS in General Studies concentrations in Business or Social Sciences
- BS in Human Services

Everything about the IDEAL Program is geared to the way adults live...and learn.

## OFFICE OF DISTANCE EDUCATION

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*Director:* Kris Bickell  
Wahlstrom Library, Garden Level  
Tel: (203) 576-4851  
E-mail: [kbickell@bridgeport.edu](mailto:kbickell@bridgeport.edu)

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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. Our online instructors are practicing professionals or UB faculty – experienced educators who are your partners in a dynamic and interactive educational environment. 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. The integration of the latest technology and intellectually challenging instruction will contribute to your ability to expand your knowledge and increase your marketability in today's ever-changing workforce.

## Coursework and Instruction

The basic course activities (reading, writing, discussion and research) are similar to traditional course activities, except that the coursework can be accessed anytime from anyplace. The instructor and students communicate and interact with each other using email and online discussion boards. The instructor provides online lecture notes, answers student questions, present online resources, assesses student progress and provides feedback. Once your course begins, you can log on to access your course materials and communicate with your instructor, participate in the class discussion with other students, and research the latest information on the Internet.

## Programs of Study

The distance learning program offers the Master of Science Degree in Human Nutrition, a Bachelor of Science in Dental Hygiene, a Certificate in Marriage Education, and a selection of undergraduate courses through the IDEAL program.

## The Online Campus

The University of Bridgeport's online classroom allows students to take courses entirely online. Students can interact with instructors and other students, and access course materials 24 hours a day from home or office. Perfect for busy individuals, the online classroom is designed to be interactive and stimulating, and can be accessed from anywhere in the world, at a time that is convenient for the student.

## LIBRARY RESOURCES

The University of Bridgeport enables students to access electronic databases, newspapers, journals, and Internet links covering a wide variety of subject areas and formats. Students can search for journal articles, books, and other resources throughout the UB library holdings, the holdings of all Connecticut libraries and numerous databases throughout the world. Students are able to borrow books and receive printed journal articles by mail or fax from UB's reference librarians.

# School of Continuing And Professional Studies

## STUDENT SERVICES

Distance education students can apply for admission, apply for financial aid, register for courses, and access technical support through the Distance Learning website.

## FINANCIAL AID

Students enrolled in a degree program may be considered for several forms of institutional and federal financial aid. Please contact the Office of Distance Education for more information.

## FOR FURTHER INFORMATION, CONTACT:

Office of Distance Education  
126 Park Avenue  
Bridgeport, CT 06604  
Tel: (203) 576-4853  
Fax: (203) 576-4537  
Email: ubonline@bridgeport.edu

## CENTER FOR BUSINESS INFORMATION TECHNOLOGIES (CBIT)

*Director:* Dr. Gad Selig  
5 Riverbend Drive  
Stamford, CT 06907  
(203) 358-0700  
Email: cbit@bridgeport.edu  
Website: www.bridgeport.edu/cbit

The University of Bridgeport and Syracuse University have formed a strategic partnership – an InfoTech Alliance – that establishes the Center for Business Information Technologies in Stamford, CT. CBIT is an information technology training and education center for information system professionals and career change adults. CBIT offers highly demanded IT Certification programs and training courses.

### Information Technology Certification Programs:

- Microsoft Business Application Developer – MS.NET (MCAD)
- IT Project Management Certification (Project + IT; PMI)
- SUN Certified JAVA Programmer (Internet Application Developer)

- Microsoft Windows 2003 Network Engineer (Network +, MCSE, MCSA)
- Network Security Professional: CompTIA Security + & Security Certified Professional
- Oracle 9i Database Administrator
- Website Design and Development (CIW Associate & Master Designer)
- Linux System Administration (RED HAT)
- Hot Topics!

## UNIVERSITY OF BRIDGEPORT—STAMFORD CAMPUS

*Director:* Jean Mann  
5 Riverbend Drive  
Stamford, CT 06907  
Telephone: (203) 358-0700  
Email: ubstamford@bridgeport.edu  
Website: www.bridgeport.edu/stamford

The University of Bridgeport's Stamford Campus offers a broad range of renowned graduate degree programs, an innovative accelerated undergraduate degree program — IDEAL, and the newest addition to the campus, CBIT — the Center for Business Information Technologies, an alliance with Syracuse University to offer cutting edge Information Technology certification programs. The mission of the Stamford Campus is to provide the highest quality professional preparation for job enhancement and career preparation and to serve the training needs of corporations located in the tri-state area.

The Stamford Campus is conveniently 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 degree and certification programs at the Stamford Campus are offered in flexible formats, geared toward the needs of working adults. Most classes meet in the evenings, weekend, or around a daytime school schedule. We encourage you to attend an information session or request program literature.

## Programs of Study at the Stamford Campus

### UNDERGRADUATE:

- IDEAL Degree Completion Program: BS in Business Administration, BS in General Studies – concentration in Business or Social Sciences, and BS in Human Services.

### GRADUATE:

- MBA and Executive MBA: Evening and Weekend
- MS in Computer Science: Weekend
- MS in Counseling/Human Resource Development: Weekend
- MS in Education: Part-time Day, Evening and Weekend
- Internship (Full-time & tuition paid) and Part-time Internship Options
- Teaching Certification (elementary, middle and secondary)
- Sixth-Year: General, Reading and Administration

### PROFESSIONAL CERTIFICATION PROGRAMS IN:

- IT Project Management
- MS.NET Business Application Developer
- Web Site Design and Development
- Internet Application Developer – Sun JAVA
- Oracle 9i Database Administrator
- Network Security Professional
- Microsoft Network Engineer
- Linux Systems Administrator

# School Of Continuing And Professional Studies

## **UNIVERSITY OF BRIDGEPORT— WATERBURY CAMPUS**

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*Director:* Sharon Klebe

84 Progress Lane

Waterbury, CT 06705

Tel: (203) 573-8501

Email: [ubwaterbury@bridgeport.edu](mailto:ubwaterbury@bridgeport.edu)

Website: [www.bridgeport.edu/waterbury](http://www.bridgeport.edu/waterbury)

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The University of Bridgeport's Waterbury Graduate Center offers an opportunity for adults who live and work in communities in the Danbury to Hartford corridor along I-84 to participate in graduate and continuing professional education courses. The center is located in a business park on the Waterbury/Cheshire line, near I-84 and I-91.

The University of Bridgeport's School of Education offers the M.S. degree in Education with elementary, middle, and secondary certification tracks available. In addition, courses leading to the Sixth Year Diploma in Education, with administrative and instructional specializations, are provided in Waterbury. Other professional courses and degree programs in business, technology, and health fields are planned.

The facility in Waterbury includes classrooms, networked computer lab, faculty and administrative offices, student resource room and student lounge. The center's office is open from 10:30 a.m. – 8:00 p.m. on weekdays, and 8:00 a.m. – 3:30 p.m. on Saturdays when classes are in session.

# English Language Institute (ELI)

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*Director:* Meg Cooney  
English Language Institute  
University of Bridgeport  
200 Carlson Hall  
Bridgeport, CT 06604 USA  
Telephone: (203) 576-4860  
Fax: (203) 576-4861  
E-mail: [esl@bridgeport.edu](mailto:esl@bridgeport.edu)  
Website: <http://www.bridgeport.edu/eli/>

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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 4 hours of instruction, including classroom instruction in grammar, composition, reading, listening, small group instruction in 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 and small groups are limited to 5 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 4 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, pronunciation, 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.

Student 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**

Prospective students should include \$35 with their ELI application. This non-refundable application fee includes the cost of processing the application and sending the ELI letter of admission and I-20 form to the applicant's address anywhere in the world. Students may stay for any number of 4-week sessions they choose. Charges are due and payable in full at the beginning of each 4-week session. All charges are subject to change without notice.

The following charges are for each 4-week session at ELI:

Full-time tuition: ..... \$981  
(*Full-time is required for students who hold the F-1 student visa*)

Part-time tuition: ..... \$491

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## English Language Institute (ELI)

Double occupancy residence hall charges: <i>(required for students under 21)</i>	
.....	\$395
Health and accident insurance: .....	\$39
Security fee: .....	\$15
Meals: <i>(estimated)</i> .....	\$350

The following are one-time charges only:

Application fee: .....	\$35
Security deposit: .....	\$50
<i>(refundable at departure)</i>	

In addition, ELI students should plan on spending about \$200 per 4-week session to cover miscellaneous personal expenses such as recreational travel, local transportation, books, laundry, clothing, etc.

Payment of tuition, residence hall, insurance, and security fee charges may be made by personal check, traveler's checks, credit card (American Express, MasterCard, and Visa), or bank wire.

### ***Application Forms and Additional Information***

Prospective students may obtain application forms, credit card charge forms, wire transfer information, 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 socio-economic 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.

# Institute for the Study of Values and Ethics

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*Executive Director:* Robert A. Schaff  
Mandeville Hall  
Tel: (203) 576-4384  
Fax: (203) 576-4388

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The Institute for Study of Values and Ethics provides focused opportunities for research and open discourse on moral issues, with special interest in global issues.

## **Mission Statement**

To promote rigorous investigation of questions of values and ethics the Institute –

- conducts critical analyses of values underlying social institutions and personal relationships.
- fosters intellectual inquiry on ethical issues by bringing renowned scholars to the University in forums of community benefit.
- develops programs on social issues having moral significance.
- makes policy recommendations on issues with ethical or value consequences.

## **Activities**

Each year since its founding the Institute has sponsored internationally known scholars for conferences, forums and seminars on a broad range of topics.

## **Conferences**

Conferences of 2-5 days duration allow in-depth exploration of a topic. Recent conferences include:

**Understanding a World in Turmoil: Has a Clash of Civilizations Begun?** with presentations and discussions led by Richard Rubenstein, Professor of Theology and former President, University of Bridgeport, and Justus van der Kroef, Professor of Political Science, University of Bridgeport.

**Is World Peace Possible?** with Max Stackhouse, Princeton Theological Seminary; Justus van der Kroef, University of Bridgeport Professor of Political Science;

William Graham, Harvard Professor of the History of Religion, Richard Rubenstein, President Emeritus, University of Bridgeport.

**Paradigm Shifts in the Health and Biological Sciences**, with Ian Coulter, UCLA and RAND Corp.; and Richard Strohman, UC-Berkeley, Chairman of Molecular & Cell Biology.

**City Neighborhoods: Looking to the Future**, with Robert L. Woodson, author of *The Triumphs of Joseph*, and Charles Stokes, President, Institute for the Study of American Cities.

**Urban Focus**, US Secretary of Education; E.A. Perez, Director of Neighborhood & Government Relations, Trinity College; and Maria Melendez, City of Bridgeport Assistant Superintendent of Schools.

**Religious Traditions in Modern Society** with Yvonne Haddad, U.Mass., Arthur Dyck, Harvard University; Wei-Ming Tu, Harvard; and Anthony J. Guerra, U. of Bridgeport.

**Urban Educational Issues**, with Edith McMullen, Yale University; Michael Fox, Office of Congressman C. Shays; and Richard Allen, T. Mathai Thomas, and Robert Schaff of the University of Bridgeport.

**Do No Harm**, focused on moral decision-making. Moderated by Stephen Post, Case Western University.

**Issues in Values and Ethics**, a conference on moral precepts in professional disciplines, with Christina Hoff Sommers, Clark University, Caroline Whitbeck, M.I.T., John Wilcox, Manhattan College, Steven Post, Case Western University, and Eric J. Cooper, Director, National Urban Alliance for Education.

## **Seminars**

Visiting scholars have provided unique points of view on a wide range of subjects.

Hans-Martin Rumscheidt – **The Ethics of Dietrich Bonhoeffer**

Wesley Pruden, Editor in Chief of the *Washington Times* – **How the Media is Murdering Itself**

Claire Cassidy, Research Director, Acupuncture Institute – **Human Values in Alternative Medicine**

Elizabeth Maxwell, – **The Treason of German Intellectual Leaders Under the Nazi Regime**

Klaus Rohmann, Katholische Fachhochschule Nordeutschland, and Waldemar Molinski, University of Wuppertal, – **Germany after Unification**

John Kelsay, Florida State University – **Religion and Politics**

Dan Goleman - **Emotional Intelligence**

Sidney Callahan, Mercy College – **Moral Decision Making**

Kevin Ryan, Boston University – **Character Education: Latest Fad or Oldest Mission.**

## **Book Forums**

The Institute sponsors annual reviews and debates of new literature on topics of interest.

## **Steering Committee**

Activities of the Institute for Study of Values and Ethics are determined and controlled by a steering committee of University of Bridgeport faculty. Current members are:

Timothy Eves

Stephen Healey

Stephen Perle

Donna Phillips

Tracy Rigia

Robert Schaff

T. Mathai Thomas



# 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 step-pingstone 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

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*Advisor:* William Greenspan  
(203) 576-4378

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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](http://www.lsac.org).

## Pre-Health Professional Studies

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*Advisor to Pre-Health:* Robert Singletary  
Dana Hall  
(203) 576-4271

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*Advisor to Pre-Health for General Studies Majors:* Edward Geist  
Dana Hall  
(203) 576-4956

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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 – 6 credit hours
  - General Chemistry – 6 credit hours
  - Organic Chemistry – 6 credit hours
  - General Physics – 6 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 majoring in any discipline, e.g. his-

tory, music, or psychology, are also viable candidates provided they satisfy the prerequisites 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.E.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  
*6 semester hours*
- General Chemistry  
*6 semester hours*
- Organic Chemistry  
*6 semester hours*
- General Physics  
*6 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.E.S. degree or 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

## Pre-Professional Programs for Chiropractic

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;\*\*
- 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:

Robert Singletary  
*Chair of Biology*  
Dana Hall  
(203) 576-4271

Edward Geist  
*Advisor to Pre-Chiropractic*  
General Studies Major  
Dana Hall  
(203) 576-4956

# Pre-Professional Programs for Naturopathic Medicine

The University of Bridgeport offers two pre-professional programs for students preparing for Naturopathic College. These programs fulfill the prerequisites for all Naturopathic colleges in the United States and Canada, including the University of Bridgeport College of 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(SocialScience/Humanities)  
*9 semester hours*
- General Biology/Zoology/Anatomy & Physiology (with lab)  
*6 semester hours*
- General Chemistry (with lab)  
*6 semester hours*
- Organic Chemistry (with lab)  
*6 semester hours*
- General Physics (with lab)  
*6 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:

Robert Singletary  
*Chair of Biology*  
Dana Hall  
(203) 576-4271

Edward Geist  
*Advisor to Pre-Naturopathic Medicine*  
General Studies Major  
Dana Hall  
(203) 576-4956

Somesh Kaushik  
*Director of Admissions*  
College of Naturopathic Medicine  
(203) 576-4109