

SCHOOL OF NATUROPATHIC MEDICINE

ADMINISTRATORS OF THE SCHOOL OF NATUROPATHIC MEDICINE

Dean, To Be Named

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The School of Naturopathic Medicine consists of the botanical medicine department (which offers a Bachelor of Science with a Major in Herbal Sciences), the homeopathy department, the physical medicine department, the clinical sciences department and the clinical education department. The School of Naturopathic Medicine also offers a Certificate in Naturopathic Midwifery.

MISSION

We educate future naturopathic physicians who care for the health and well-being of their communities and advance our profession.

VISION

The School of Naturopathic Medicine will be a leading academic center for inspired and scholarly learning in the cultivation of naturopathic doctors. It will accomplish this through education, research, professional leadership, community and clinical services that bridge the worlds of science, nature and spirit.

PROGRAMS OFFERED

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BACHELOR OF SCIENCE WITH A MAJOR IN HERBAL SCIENCES

BOTANICAL MEDICINE DEPARTMENT MISSION

We inspire students and colleagues to carry forward the traditions and enrich the knowledge of botanical medicine with integrity.

BOTANICAL MEDICINE DEPARTMENT VISION

We facilitate learning about plants and plant-centered medicine, guiding students to apply this knowledge to growing, harvesting, manufacturing and clinical practice. The inclusive range of knowledge runs from traditional wisdom to contemporary scientific information, emphasizing critical and creative thought and discovery.

A Bachelor of Science degree completion program with a major in herbal sciences is designed to provide a thorough, scientifically rigorous and inspiring exploration of herbalism and its applications. The curriculum of the herbal sciences major does not include the diagnosis and treatment of disease, but rather introduces the student to concepts of disease prevention and health maintenance using medicinal herbs. The curriculum addresses economic, historical and sociopolitical perspectives regarding herbal sciences. Additionally, issues related to herbal product manufacturing and quality assurance/quality control introduce the analytical aspects of herbs and herbal products. This program offers a substantial breadth of perspectives and approaches in the herbal sciences.

The program is based upon scientific inquiry in the herbal sciences. Courses in Anatomy and Physiology, Organic Chemistry, Biochemistry, and Botany occur during the first year of this program. Beginning in the first year and heavily concentrated in the second year are courses exploring various aspects of the herbal sciences. Introduction to Herbal Sciences, Herbal Preparations, and Herbal Medicine History and Traditions lay a foundation in the junior year. In Research Methods for Herbal Sciences, the student learns to interpret scientific literature on medicinal herbs. In Ethnobotany, the door opens to the connection between people and plants in indigenous cultures, old and new. The senior year includes Pharmacology, Pharmacognosy and Medicinal Actions of a core of Materia Medica, deepening the knowledge

base. Northwest Herbs and First Aid for Herbalists lend hands-on experiences. In additional courses, the student becomes familiar with environmental, economic and political issues surrounding the herbal sciences. There are electives available that cover a wide array of topics including diverse field courses.

Additionally, in the senior year, students are required to complete a 44-hour practicum with herbal manufacturers, herb growers, wildcrafters, practitioners or researchers. Upon completion of this program, each student is uniquely qualified to enter the herbal industry, enter a clinically based program or pursue further education in a related field.

ADMISSION

For general information on the admissions process, please refer to the admissions section in this catalog. The information below refers only to the herbal sciences program.

PREREQUISITES

Entering undergraduates must have at least a 2.25 cumulative GPA with a grade of C or better in all basic proficiency and science requirement courses. Prior to enrolling, students must have completed 90 quarter credits (60 semester credits), including a minimum number of credits in the basic proficiency, science and general education categories.

Note: students may apply to the program while completing prerequisite coursework.

BASIC PROFICIENCY AND SCIENCE REQUIREMENTS

English literature or composition	9 quarter credits
General psychology.....	3 quarter credits
Intermediate algebra ¹	1 course
General chemistry (science major level with lab)	8 quarter credits
General biology (with lab)	4 quarter credits
Botany	3 quarter credits

¹Intermediate algebra is not college level, and the credits taken will not transfer in toward degree completion.

GENERAL EDUCATION REQUIREMENTS

Natural science and mathematics	12 quarter credits
Arts and humanities.....	15 quarter credits
Social sciences.....	15 quarter credits
Speech communication or public speaking	3 quarter credits
Electives	18 quarter credits ¹

¹The number of elective credits may vary depending upon the exact number of quarter credits earned in the other prerequisite categories. Total prerequisite credits must equal at least 90 quarter credits.

BASIC SCIENCES CURRICULUM WITHIN HERBAL SCIENCES

Basic science courses within the herbal sciences program include Anatomy and Physiology, Organic Chemistry, Biochemistry, Microbiology, Pharmacology, and Disease Processes. These courses serve as a foundation for an understanding of the human body and provide students with the necessary skills and competency to pursue coursework in their chosen field.

The basic sciences faculty encourages and expects students to advance beyond the simple learning of scientific facts and to integrate systematically the information from basic science disciplines into a unified model of human organization and function. Problem solving, clinical cases and examples are an integral part of the basic science curriculum.

GRADUATION REQUIREMENTS

Upper division BS students enrolled at Bastyr University must complete a minimum of 180 credits (inclusive of credits transferred into Bastyr). To graduate, BS students must have a minimum 2.0 grade point average with a minimum of 45 credits in residence at Bastyr University.

The curriculum table that follows lists the tentative schedule of courses each quarter. Next to each course is the number of credits per course (Crdt.), the lecture hours each week (Lec.) and the lab/clinic hours each week (L/C).

BACHELOR OF SCIENCE WITH A MAJOR IN HERBAL SCIENCES 2009-2010

JUNIOR YEAR (YEAR I)

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C
F	BC3124	Organic Chemistry for Life Sciences (Lec/Lab)	5	4	2
	BC3141	Anatomy & Physiology (Lec/Lab)	3	2	2
	BO3103	Botany 1 (Lec/Lab)	3	2	2
	BO3108	Introduction to Herbal Sciences	3	2	2
		Quarterly Totals	14	10	8
W	BC3142	Anatomy & Physiology (Lec/Lab)	4	3	2
	BC4109	Biochemistry for Life Sciences 1 Lec	4	4	0
	BC4110	Biochemistry for Life Sciences 1 Lab	1	0	2
	BO3114	Herbal Preparations	3	2	2
	BO4102	Research Methods for Herbal Sciences	2	2	0
		Quarterly Totals	14	11	6
Sp	BC3143	Anatomy & Physiology (Lec/Lab)	3	2	2
	BC4112	Biochemistry for Life Sciences 2 Lec	4	4	0
	BC4113	Biochemistry for Life Sciences 2 Lab	1	0	2
	BO3105	Plant Identification (Lec/Lab)	3	2	2
	BO3115	Herbal Medicine History & Traditions	2	2	0
	BO4129	Ethnobotany	2	2	0
		Quarterly Totals	15	12	6

SENIOR YEAR (YEAR II)

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C
F	BC4114	Disease Processes	4	4	0
	BC4120	Microbiology	2	2	0
	BO4107	Materia Medica 1 for Herbal Sciences	5	4	2
	BO4111	First Aid for Herbalists	2	2	0
	BO4119	Pharmacognosy for Herbal Sciences	2	2	0
	BO4122	Test Methods for Botanical Authentication (Lec/Lab)	2	1	2
	BO4801	Herbal Sciences Practicum ¹	1	0	4
		Quarterly Totals	18	15	8
W	BC4115	Pharmacology Overview for Herbal Sciences	3	3	0
	BO4100	Herbs & Food	3	2	2
	BO4108	Materia Medica 2 for Herbal Sciences	5	4	2
	BO4128	QAQC - Quality Assurance/Quality Control	2	1	2
		Quarterly Totals	13	10	6
Sp	BO4103	Botany 2 (Lec/Lab)	3	2	2
	BO4109	Materia Medica 3 for Herbal Sciences	5	4	2
	BO4112	Northwest Herbs	1	0	2
	BO4125	Introduction to Herb/Drug Interaction	2	2	0
	IS4101	Seminar in Natural Health Sciences	2	2	0
		Quarterly Totals	13	10	6

¹Students may register for the practicum in any quarter after first year classes are completed.

Total Requirements: BS with a Major in Herbal Sciences

	Crdt.	Lec.	L/C
Total Core Course Credits and Hours	87	68	40
Total Elective Credits and Hours	3	3	0
Total Requirements	90	71	40

Curriculum and course changes in the 2009-2010 Bastyr University Catalog are applicable to students entering during the 2009-2010 academic year. Please refer to the appropriate catalog if interested in curriculum and courses required for any other entering year.

Current Electives: Cascade Herb Experience, Island Herb Experience, Herbal Medicine in Italy, Organic Gardening, Clinical Pharmacognosy, Flower Essences, Herbs and Ayurvedic Medicine, Herbal Medicine throughout Oregon, Plants in Ceremony, Clinical Formulations and Applications, Food and Medicinal Mushrooms, Medicine Making for All, Plant Identification and Medicinal Field Botany, Foundations of Aromatic Medicine, and Introduction to Gemmotherapy.

SUMMER MASSAGE INTENSIVE

Bastyr University and Bellevue Massage School Center for Healing Arts offer a summer massage training program that allows students to apply coursework completed at Bastyr University toward the Washington state requirements for licensure. This course cannot be audited.

Students interested in further information may meet with their academic advisor in the registrar's office or with their department's program supervisor to discuss the program availability and the course prerequisites.

DOCTOR OF NATUROPATHIC MEDICINE**DEFINITION AND DESCRIPTION OF NATUROPATHIC MEDICINE**

Naturopathic medicine is a distinct profession of primary health care, emphasizing prevention, treatment and the promotion of optimal health through the use of therapeutic methods and modalities which encourage the self-healing process, the *vis medicatrix naturae*.

The U.S. Department of Labor defines the naturopathic physician as one who "diagnoses, treats and cares for patients, using a system of practice that bases its treatment of all physiological functions and abnormal conditions on natural laws governing the body, utilizes physiological, psychological and mechanical methods, such as air, water, heat, earth, phytotherapy (treatment by use of plants), electrotherapy, physiotherapy, minor or orificial surgery, mechanotherapy, naturopathic corrections and manipulation, and all natural methods or modalities, together with natural medicines, natural processed foods, herbs, and natural remedies. Excludes major surgery, therapeutic use of x-ray and radium, and use of drugs, except those assimilable substances containing elements or compounds which are compounds of body tissues and are physiologically compatible to body processes for maintenance of life."

Most naturopathic physicians provide natural medicine primary care through office-based, private practice. Many receive additional training in disciplines or modalities such as midwifery and acupuncture and Oriental medicine.

Naturopathic diagnosis and therapeutics are supported by scientific research drawn from peer-reviewed journals from many disciplines, including naturopathic medicine, conventional medicine, European complementary medicine, clinical nutrition, phytotherapy, pharmacognosy, homeopathy, psychology and spirituality. Information technology and new concepts in clinical outcomes assessment are particularly well-suited to evaluating the effectiveness of naturopathic treatment protocols and are being used in research, both at naturopathic medical schools and in the offices of practicing physicians. Clinical research into natural therapies has become an increasingly important focus for naturopathic physicians.

A NATUROPATHIC MEDICINE GRADUATE OF BASTYR UNIVERSITY'S SCHOOL OF NATUROPATHIC MEDICINE WILL:

- Be an empowered, strong practitioner.
- Be trained to the standards of a primary care physician as accepted by the profession.
- Be a provider of excellent and consistent, quality patient care.
- Practice the principles of naturopathic medicine.
- Be an integrated, active participant in the community.

PRINCIPLES OF NATUROPATHIC MEDICINE

The Healing Power of Nature (*Vis Medicatrix Naturae*)

Identify and Treat the Causes (*Tolle Causam*)

First Do No Harm (*Primum Non Nocere*)

Doctor as Teacher (*Docere*)

Treat the Whole Person

Prevention

Wellness

SCOPE OF PRACTICE

Naturopathic medicine is defined by principles rather than by methods or modalities. Diagnostic and therapeutic methods are diverse. The current scope of practice for a naturopathic physician covers the general practice of naturopathic medicine, as a primary care physician. This scope of practice includes, but is not limited to, the following diagnostic and therapeutic modalities: nutritional science, natural hygiene, botanical medicine, naturopathic physical medicine, homeopathy, counseling, spirituality, minor office procedures and methods of laboratory and clinical diagnosis. The scope of practice is defined by state or provincial statute. The curriculum at Bastyr University matches the requirements listed by the Washington State Department of Health. Students have the responsibility to be informed on licensure and scope of practice in the legal jurisdiction in which they choose to practice.

LEGAL STATUS OF NATUROPATHIC MEDICINE

Naturopathic physicians are licensed as health care providers in Alaska, Arizona, California, Connecticut, Hawaii, Idaho, Kansas, Maine, Montana, New Hampshire, Oregon, Utah, Vermont, Washington, District of Columbia and the U.S. territories of Puerto Rico and the Virgin Islands. Legal provisions allow the practice

of naturopathic medicine in several other states. Efforts to gain licensure elsewhere are currently underway. Thirty-three states and territories in the United States have professional associations for naturopathic medicine. Naturopathic physicians are also recognized in British Columbia, Manitoba, Ontario and Saskatchewan.

NATUROPATHIC MEDICINE LICENSURE REQUIREMENTS

All states and provinces with licensure laws require a resident course of at least four years and 4,100 hours of study from a college or University recognized by the Council on Naturopathic Medical Education (CNME). A copy of the CNME handbook is available in the Bastyr Library. To qualify for a license, the applicant must satisfactorily pass the Naturopathic Physicians Licensing Examinations (NPLEX), which include basic sciences, diagnostic and therapeutic subjects and clinical sciences. Applicants must satisfy all licensing requirements for the state or province to which they have applied.

PROFESSIONAL ORGANIZATIONS

The American Association of Naturopathic Physicians, based in Washington, D.C., represents the interests of the profession of naturopathic medicine in the U.S.

- American Association of Naturopathic Physicians, 4435 Wisconsin Ave NW, Suite 403, Washington, D.C., 20016, www.member.services@Naturopathic.org, 202.237.8150.
- The Canadian Association of Naturopathic Doctors is the professional association in Canada. Contact them at 20 Holly Street, Suite 200, Toronto, Ontario, Canada M4S 3B1, 416.496.8633. E-mail: info@cand.ca. Web: www.cand.ca.

Many states and provinces have professional societies. Contact the appropriate national association for further information.

NATUROPATHIC MEDICINE PROGRAM ADMISSIONS

For general information on the admissions process, please refer to the admissions section in this catalog. The information below refers only to the naturopathic medicine program.

NATUROPATHIC MEDICINE PREREQUISITES

In selecting applicants for admission, the Bastyr University naturopathic medicine program seeks

those qualities of motivation, intellect and character essential to becoming a physician. Applicants are considered on the basis of academic performance, maturity and demonstrated humanitarian qualities. Work and/or volunteer experience in health care coupled with an awareness of the field of natural medicine is strongly recommended. The following coursework is the minimum required preparation for the study of naturopathic medicine. Applicants may apply with coursework still in progress, but prerequisites must be completed prior to matriculation.

Please note: If in doubt about a specific prerequisite, contact an admissions advisor before taking the course.

The admissions office may require a course description to verify content. Descriptions may be read over the phone, e-mailed, faxed or sent by regular mail.

Overall Preparation

Completion of a bachelor's degree is expected. A limited number of exceptions are made for candidates who demonstrate a high level of academic performance and professional achievement. No specific major is advised. In addition to a strong preparation in the sciences, a broad background in the humanities and liberal arts is encouraged. Prerequisite coursework is used to determine a student's preparation for the naturopathic program. No credit is given for prerequisite coursework earning a C- or lower.

Prerequisite Coursework

College-level Algebra 1 course
Chemistry (science-major level).....at least 4 courses

Must include a minimum of either two sequential courses in organic chemistry or one course in organic chemistry and one course in biochemistry. The chemistry sequence should include an introduction to biological molecules. (The standard prerequisite for science-major level organic chemistry is one year of general chemistry.) Appropriate lab work required.

General Biology
(science-major level) 2 semesters or 3 quarters
Must cover concepts in cellular biology and genetics. Appropriate lab work required. Individual courses in the biological sciences may count if the above competencies are met, i.e., anatomy, physiology, microbiology and botany.

Physics at least 1 college-level course
Many institutions do not cover all required concepts in one course; required concepts include mechanics, optics,

electricity and magnetism. Course may be algebra-based, and lab is not required.

Psychology 1 course
Introduction to psychology is recommended.

Note: In addition to the prerequisites listed above, the following coursework is required if a bachelor's degree will *not* be completed by matriculation:

English 2 courses
Composition courses are recommended.
Humanities 2 courses

Strongly Recommended Courses

Though not required for admission, faculty recommend students complete biochemistry, anatomy and physiology, and botany coursework in addition to the prerequisite requirements. These courses will substantially enhance students' ability to master the naturopathic course material.

Other Suggested Courses

Biomedical ethics, philosophy of science, public speaking and English composition.

Credit Requirements

Candidates must have completed at least 90 semester/135 quarter credits upon matriculation. At least 30 semester credits/45 quarter credits must be upper-division (i.e. junior or senior level courses, usually numbered 300-400, at a four-year institution).

Age of Course

Required chemistry and biology courses not taken within seven years of matriculation into the program are subject to review by the admissions committee. Additional coursework may be required.

Credit by Examination

Applicants may submit AP, IB, CLEP and GRE scores for prerequisite consideration for math, psychology and physics. Students who have had prior AP or IB coursework in chemistry and biology may submit AP or IB scores for biology or chemistry exams. Students must submit either the original score received directly from the testing center or a copy of their high school or college transcripts showing the score results. Decisions regarding credit are assessed on a case-by-case basis. The admissions committee reviews test scores within the context of an applicant's academic history. All equivalency decisions made by the admissions committee are final.

REQUIRED ABILITIES/SKILLS FOR NATUROPATHIC MEDICINE PROGRAM ADMISSION

Bastyr University is committed to providing equal opportunities for differently abled persons. The following policy has been adapted from the American Association of Medical Colleges guidelines to ensure that prospective students have the physical and mental capacities to perform the required duties of a naturopathic physician.

A candidate for the naturopathic medicine degree must be able to demonstrate appropriate observational and communication skills, motor function, intellectual-conceptual, integrative and quantitative abilities, and behavioral and social maturity. Technological compensation can be made for some disabilities in certain of these areas, but a candidate should be able to perform in a reasonably independent manner. The use of a trained intermediary means that a candidate's judgment must be mediated by someone else's power of selection and observation.

Observation: The candidate must be able to observe demonstrations and experiments in the basic sciences, including but not limited to microbiologic cultures and microscopic studies of microorganisms and tissues in normal and pathologic states. A candidate must be able to observe a patient accurately at a distance and close at hand. Observation necessitates the functional use of the sense of vision and somatic sensation. These are enhanced by the functional use of the sense of smell.

Communication: A candidate must be able to speak, to hear, and to observe patients in order to elicit information, describe changes in mood, activity, and posture, and perceive nonverbal communications. A candidate must be able to communicate effectively and sensitively with patients. Communication includes not only speech but also reading and writing. The candidate must be able to communicate effectively and efficiently in oral and written form with all members of the health care team.

Motor: Candidates should have sufficient motor function to elicit information from patients by palpation, auscultation, percussion and other diagnostic maneuvers. A candidate should be able to do basic laboratory tests (urinalysis, CBC, etc.), re-position a patient, carry out diagnostic and

therapeutic procedures and read ECGs and x-rays. A candidate should be able to execute motor movements reasonably required to provide general care and emergency treatment to patients. Examples of emergency treatment required of physicians are cardiopulmonary resuscitation, the administration of intravenous medication, application of pressure to stop bleeding, the opening of obstructed airways, the suturing of simple wounds, and the performance of simple obstetrical maneuvers. Such actions require coordination of both gross and fine muscular movements, equilibrium, and functional use of the senses of touch and vision.

Intellectual-Conceptual, Integrative and Quantitative Abilities: These abilities include measurement, calculation, reasoning, analysis and synthesis. Problem solving, a critical skill demanded of physicians, requires all of these intellectual abilities. In addition, the candidate should be able to comprehend three-dimensional relationships and to understand the spatial relationships of structures.

Behavioral and Social Attributes: A candidate must possess the emotional health required for full utilization of her/his intellectual abilities, the exercise of good judgment, the prompt completion of all responsibilities attendant to the diagnosis and care of patients, and the development of mature, sensitive, and effective relationships with patients. Candidates must be able to tolerate physically taxing work loads and to function effectively under stress. They must be able to adapt to changing environments, to display flexibility, and to learn to function in the face of uncertainties inherent in the clinical problems of many patients. Compassion, integrity, concern for others, interpersonal skills, interest and motivation are all personal qualities that are assessed during the admissions and educational processes.

ADMISSIONS CRITERIA

The admissions committee of the naturopathic medicine program determines the processes and procedures that guide the selection of candidates for the naturopathic program. The committee reviews undergraduate and graduate (if applicable) academic records and performance in the required prerequisite courses. The personal statement, references, resumes and in person interviews are also evaluated for evidence of the abilities and skills required of naturopathic physicians. The

interview also explores the candidate's awareness of the practice of naturopathic medicine. Bastyr University's naturopathic medicine program is academically challenging. While no minimum GPA is specified, the mean GPA for entering students in the last five years has exceeded 3.3.

INTERVIEWS

Qualified applicants who submit complete applications and meet the prerequisites may be invited to interview. Applicants are expected to interview at the University's campus in Kenmore, Washington. A limited number of exceptions are made to accommodate special circumstances.

TRANSFER STUDENTS

Bastyr University accepts transfer students from naturopathic, medical, osteopathic and chiropractic schools and other accredited professional programs on a space-available basis. For transfer consideration, credits must be earned from an institution accredited by a regional accrediting agency or from an institution accredited by the CNME. Transfer students are considered for admission in accordance with the following general guidelines:

- Applicants must meet the same entrance requirements as candidates for the first-year class.
- Applicants who wish to transfer credits from prior coursework must demonstrate satisfactory completion of courses that are equivalent in content and quality to courses given at the University. Satisfactory completion equals a grade of achieved competency, a B or above, or a 3.0 or above.
- Applicants must provide an official transcript from the college or program from which the transfer is being requested, demonstrating that they are leaving in good academic standing and should be prepared to submit additional documentation to support a thorough evaluation.
- Transfer applicants must submit a \$75 transfer evaluation fee.

ADVANCED STANDING STATUS BASED ON PRIOR MEDICAL EDUCATION

Applicants who have completed professional programs may be considered for advanced standing status. Those applicants who graduated from accredited chiropractic, medical or osteopathic colleges may be eligible for advanced standing in the Bastyr University naturopathic medicine

program. All advanced standing students must complete at least two-thirds of the program and do all of their clinical work at Bastyr University. They are eligible for a maximum of 103 credits toward advanced standing. In those instances where the maximum number of advanced standing transfer credits is granted, it will take a minimum of three years (11 quarters) to complete the program. Placement depends upon the amount of coursework completed in the original program, similarity of the course content and credits, age of the courses and performance in these courses. Course waivers and/or credit transfers are considered only for those courses in which applicants demonstrate a grade of achieved competence, a B or above, or a 3.0 or above. Advanced standing applicants must complete all of the course and credit requirements in effect at the time of their enrollment in the Bastyr University naturopathic medicine program.

Advanced standing is determined on a case by case basis and depends on the type of degree program completed, the courses taken and the number of years in practice.

Applicants who are eligible for advanced standing must submit a \$75 advanced standing evaluation fee. Applicants transferring from another naturopathic school are not required to pay the advanced standing evaluation fee.

Applicants must submit a catalog of course descriptions for the years they attended their professional program and should be prepared to submit additional documentation to support a thorough evaluation. Participation in an intensive may be required for students entering with advanced standing status. In addition, participation in one or more problem-based practica may be required to gauge and increase skill level. If an advanced standing student is found to be deficient in some areas of study, he/she may be required to complete additional courses. For more information on advanced standing status admission policies and procedures, contact the admissions office.

BASIC SCIENCES CURRICULUM WITHIN NATUROPATHIC MEDICINE

Basic science courses within the naturopathic medicine program emphasize anatomy, physiology and biochemistry as the foundation for further basic sciences and all clinical courses. Further courses include Histology, Pathology, Pharmacology, Immunology, Infectious Diseases, Embryology, Neuroscience and Research Design.

The basic sciences faculty encourages and expects students to advance beyond the simple learning of scientific facts and to integrate systematically the information from basic science disciplines into a unified model of human organization and function. This educational scheme requires students to assume an active role in the learning process and encourages them to adopt this inquisitive behavior for a lifetime. Problem solving, clinical cases and examples are an integral part of the basic science curriculum. This educational process is an expression of Bastyr University's basic philosophy of a holistic approach to human behavior, health and therapeutics. The basic sciences faculty encourages students to become totally absorbed in an integrated approach to learning and understanding. Instructors are readily available to facilitate this process on an individual basis.

The department also offers science courses that satisfy prerequisite requirements, including courses in General Chemistry, Organic Chemistry and Biophysics.

COUNSELING AND HEALTH PSYCHOLOGY CURRICULUM WITHIN NATUROPATHIC MEDICINE AND NATUROPATHIC MIDWIFERY

The counseling and health psychology curriculum serves naturopathic medical students in understanding and effecting change in the emotional, mental, and spiritual dimensions of human functioning.

The naturopathic medicine program includes five core counseling and health psychology courses. These courses are designed to build the following competencies:

- Study of the nature and process of healing.
- Development of therapeutic counselor characteristics and communication skills.
- Development of comfort in the role of counseling physician and a sense of counseling style and skills.
- Ability to select and implement holistic counseling interventions and strategies.
- Ability to assess and stimulate psychological wellness.
- Ability to understand and utilize the body/mind/spirit interaction in the healing process.
- Ability to assess psychological functioning and make clinical judgments regarding the appropriateness of treating individuals in naturopathic practice.

- Ability to make appropriate psychological referrals.

Naturopathic principles and cross-cultural perspectives are woven throughout all counseling and health psychology courses in the naturopathic medicine program.

The following core courses are required of all naturopathic medicine students:

- PS6305: Naturopathic Counseling 1 - 3 credits
- PS6306: Naturopathic Counseling 2 - 3 credits
- PS7200: Psychological Assessment - 2 credits
- PS7203: Addictions and Disorders - 2 credits
- PS7315: Naturopathic Counseling 3 - 2 credits

The following core elective is required for students in the naturopathic midwifery certificate program and is strongly recommended for all naturopathic medicine students:

- PS6303: Sexuality and Sex Therapy - 2 credits

For additional counseling and health psychology courses available as electives to matriculated students, please see the course listings in this catalog or the current quarterly schedule of classes.

DEPARTMENTS WITHIN THE NATUROPATHIC MEDICINE PROGRAM

BOTANICAL MEDICINE

(For Department of Botanical Medicine Mission and Vision, see page 64.)

Botanical medicine is a core modality for naturopathic physicians to use in optimizing the health and well-being of their patients. Medicinal plants have been used as food and medicine by all peoples on all continents. The importance of plants to humans has been recorded in cave paintings 60,000 years old. A contemporary renaissance in herbal medicine weds traditional use and wisdom with modern analytical methodologies for optimal medical applications for today. Empirical knowledge of plant therapeutics is based on Western and holistic thought rather than reductionistic paradigms and is linked with contemporary scientific knowledge.

The core curriculum in botanical medicine for naturopathic medical students covers fundamental plant identification and nomenclature, pharmacognosy, therapeutic actions, extraction principles, dosage considerations, contraindications, toxicology, herb-drug interactions, clinical applications and treatment regimens. Clinical therapeutics draw from traditional uses, naturopathic formulae and use, and from international scientific and clinical research, as well as advances in phytotherapy. Several of the

materia medica courses are linked with a laboratory experience in the botanical medicine lab on campus. Completion of the required curriculum, along with the required clinical experience, prepares the student for effective and safe clinical utilization of preventive and therapeutic botanicals.

A variety of botanical medicine elective and special topic courses are offered to students in the naturopathic medicine program and other programs, along with independent study options.

The Bastyr garden is managed by the botanical medicine department, with support from the University and donations. It is maintained primarily by a staff garden supervisor and work-study students. The botanical medicine department continues to build an herbarium, although the vast University of Washington herbarium is used as one of Bastyr's teaching venues. The department supports a botanical medicine lab to expand class experience and provide a space for students to continue exploring their work and passion for herbs.

HOMEOPATHIC MEDICINE

Homeopathic medicine is a broad therapeutic modality that is integral to naturopathic medicine. Homeopathy is based on the law of similars. This principle states that a substance that is capable of producing symptoms of disease in a healthy person can cure an ill patient presenting a similar pattern of disease symptoms. Homeopathic medicines stimulate a person's inherent defense mechanism. The entire range of mental, emotional and physical symptoms is considered with each patient. A single medicine is then chosen that addresses the complex pattern of the patient, while emphasizing the uniqueness of the individual.

The homeopathic curriculum at Bastyr University includes the basic principles and philosophy of homeopathy, materia medica of commonly used homeopathic medicines, use of the homeopathic repertory, taking a homeopathic case, homeopathic case analysis and practical therapeutics for common medical situations.

All naturopathic students are required to take three courses in homeopathy, HO6300, HO6301, and HO6302 (Homeopathy 1-3). There are three additional elective courses, HO9301, HO9302, and HO9303 (Homeopathy 4-6), which explore, in more depth, the areas of homeopathic philosophy, materia medica, case analysis and management, and homeopathic therapeutics. Naturopathic students, upon successful completion of Homeopathy 1-3,

may register for shifts in the Homeopathy Specialty Clinic at Bastyr Center for Natural Health. Students registered for a homeopathy shift must register concurrently for Homeopathy Grand Rounds.

PHYSICAL MEDICINE

Physical medicine is an integral part of naturopathic medicine. It includes various modalities such as hydrotherapy, osseous and soft tissue manipulation, sports medicine and therapeutic exercise. The course of study and clinical training in physical medicine enable students to develop a solid foundation for entry into the practice of naturopathic medicine. The curriculum offers sufficient hours in manipulation to satisfy the state of Washington's licensing requirement as a naturopathic physician.

The physical medicine curriculum begins by teaching students the art of touch and palpation, introduction to basic Swedish massage techniques and soft tissue manipulation, and then progresses to osseous manipulation.

SUMMER MASSAGE INTENSIVE

Bastyr University and Bellevue Massage School Center for Healing Arts offer students a summer massage training program that allows them to apply coursework taken at Bastyr University toward the Washington state requirements for massage licensure. This course cannot be audited.

Students interested in further information may meet with their academic advisor in the registrar's office or with their department's program supervisor to discuss the program availability and the course prerequisites.

NATUROPATHIC MEDICINE CLINIC ENTRANCE PREREQUISITES

To be eligible to enter the clinic, students must have completed all courses listed for the first and second years of the four-year track or all courses listed for the first, second and third years of the five-year track, Option A. Students must have completed TB screening and have received or signed a waiver for hepatitis B immunization. Students must have a current CPR card. Washington state law also requires all students to submit to a criminal background check before being allowed entry into clinical experiences.

Please be aware that the opportunity to intern at one of the external clinics offered through Bastyr University is contingent on the student's ability

to provide documentation of a vaccination history. The community clinic rotations are outstanding clinical experiences in working with underserved and special patient populations including developing skills working with medical translators. Students who are unable to provide vaccine documentation will not be eligible for this rotation and clinical training may be restricted to the Bastyr student clinic.

CLINIC REQUIREMENTS

Registration in eight consecutive quarters is required to complete the clinic requirements. Students are expected to begin their clinical training during the summer following the completion of their preclinical courses. Students will be registered for six shifts during their first year (four quarters) in clinic. After the completion of six shifts (Patient Care and Physical Medicine), students become primary clinicians. Students must be enrolled in at least one Patient Care shift each quarter throughout their clinical training.

Clinic faculty are currently in the process of developing Objective Skills Clinical Exams (OSCE). These exams are designed to evaluate students' clinical skills and clinical decision making in a standardized manner. Students may be required to participate in an OSCE during each year of their clinical training.

GRADUATION REQUIREMENTS

The curriculum of the naturopathic medicine program requires completion of 310.5 credits for graduation. There are 249.5 core course credits, 14 elective credits and 47 clinic credits. Students must achieve competency (grade of AC) in all 310.5 credits required in the curriculum. Students must complete all required clinical competencies in order to graduate. Students must complete at least two-thirds of their credits in residence at Bastyr University.

ELECTIVES

Students in the naturopathic medicine program are required to complete 14 elective credits (included in the 310.5 credit totals) during their course of study. Up to five of these credits may be satisfied by independent study. It is recommended that elective credits be spread out over the length of the student's program. Courses designated as elective and special topics may fulfill this 14-credit requirement, as well as additional clinic shifts during the

student's clinical training. In general, a maximum of nine elective credits from any one department may be used to satisfy the ND elective requirement. A student may take elective credits from any program/department.

NATUROPATHIC MEDICINE PROGRAM TRACKS

Students who are accepted into the program and decide not to complete the program in four years must choose one of the following approved options:

- Five-Year Track-Option A.
- Five-Year Track-Option B.
- Combined Five-Year Track-Option A and B (for a total of 6 years).

These are the only program track options. Bastyr offers no part-time status.

As long as a student remains on an approved program track, there will be no course scheduling conflicts.

Students choosing a track other than the four-year program must complete, through the registrar's office, the appropriate paperwork. Students must remain on track in order to graduate on time. Students may not register off track or register ahead of track without approval from the dean's office.

For additional information regarding combining naturopathic medicine with acupuncture and Oriental medicine, please contact the admissions office.

The curriculum tables that follow list the tentative schedule of courses each quarter. Next to each course are the number of credits per course (Crdt.), the lecture hours each week (Lec.), the lab/clinic hours each week (L/C) and the total contact hours for the course over the entire quarter (Tot.).

DOCTOR OF NATUROPATHIC MEDICINE PROGRAM 2009-2010

FOUR-YEAR TRACK

YEAR I

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
F	BC5104	Biochemistry 1	4	4	0	44
	BC5107	Human Physiology 1 Lec/Lab	5.5	4	3	77
	BC5110	Histology ¹	5	4	2	66
	BC5122	Gross Human Anatomy 1	4.5	4	1	55
	BC5122L	Gross Human Anatomy 1 Lab	1	0	2	22
	NM5113	Naturopathic Medicine in Historical Context	2	1	2	33
	NM5804	Clinic Entry 1	1	0	2	22
		Quarterly Totals	23	17	12	319

W	BC5105	Biochemistry 2	4	4	0	44
	BC5108	Human Physiology 2 Lec/Lab	5.5	4	3	77
	BC5112	Embryology	3	3	0	33
	BC5123	Gross Human Anatomy 2	4.5	4	1	55
	BC5123L	Gross Human Anatomy 2 Lab	1	0	2	22
	BC5142	Fundamentals of Research Design ¹	2	2	0	22
	NM5114	Fundamentals of Naturopathic Clinical Theory	2	1	2	33
	OM5120	Fundamental Principles of TCM ¹	3	3	0	33
	PM5301	Hydrotherapy/Physiotherapy Lecture 2	2	2	0	22
	PM5305	Hydrotherapy/Physiotherapy Lab ¹	1	0	2	22
		Quarterly Totals	28	23	10	363
Sp	BC5106	Biochemistry 3	4	4	0	44
	BC5109	Human Physiology 3	3	3	0	33
	BC5124	Gross Human Anatomy 3	4.5	4	1	55
	BC5124L	Gross Human Anatomy 3 Lab	1	0	2	22
	BC5129	Neuroscience	5.5	4	3	77
	BO5301	Botanical Medicine 1 Lec/Lab	2	1.5	1 ²	26.5
	NM5115	Naturopathic Medicine in Global Context	2	1	2	33
	PM5310	Myofascial Analysis	1.5	0	3	33
		Quarterly Totals	23.5	17.5	12	323.5

¹BC5110, BC5142, OM5120: Usually also offered in summer

²Two hours every other week times five weeks

FOUR-YEAR TRACK

YEAR II

Qtr. Cat.	No.	Course Title	Crdt.	Lec.	L/C	Tot.
F	BC6200	Human Pathology 1	4	4	0	44
	BC6204	Immunology ¹	4	4	0	44
	BO6301	Botanical Medicine 2	2	2	0	22
	HO6300	Homeopathy 1	2	2	0	22
	NM6210	Clinical Lab Diagnosis 1	3.5	2	3	55
	NM6221	Physical/Clinical Diagnosis 1 Lecture	2	2	0	22
	NM6221L	Physical/Clinical Diagnosis 1 Lab	2	1	2	33
	PS6305	Naturopathic Counseling 1	3	3	0	33
	TR6310	Foods, Dietary Systems & Assessment	3	2	2	44
		Quarterly Totals	25.5	22	7	319
W	BC6201	Human Pathology 2	4	4	0	44
	BC6209	Infectious Diseases ²	5	5	0	55
	BO6302	Botanical Medicine 3 Lec	2	2	0	22
	HO6301	Homeopathy 2	3	3	0	33
	NM6211	Clinical Lab Diagnosis 2	3.5	2	3	55
	NM6222	Physical/Clinical Diagnosis 2 Lecture	2	2	0	22
	NM6222L	Physical/Clinical Diagnosis 2 Lab	2	1	2	33
	PS6306	Naturopathic Counseling 2	3	3	0	33
	TR6311	Macro & Micronutrients	3	3	0	33
		Quarterly Totals	27.5	25	5	330
Sp	BC6202	Human Pathology 3	4	4	0	44
	BC6305	Pharmacology ²	5	5	0	55
	HO6302	Homeopathy 3	3	3	0	33
	NM6100	Successful Charting and Coding	1	1	0	11
	NM6212	Clinical Lab Diagnosis 3	3.5	2	3	55
	NM6224	Physical/Clinical Diagnosis 3 Lecture	2.5	2.5	0	27.5
	NM6224L	Physical/Clinical Diagnosis 3 Lab	2	1	2	33
	NM8801	Preceptorship 1	1	0	4	44
	PM6300	Naturopathic Manipulation 1	2	2	0	22
		Quarterly Totals	24	20.5	9	324.5

¹BC6204: Usually also offered in summer

²BC6209 and BC6305: Offered in winter and spring quarter
Eligible to take NPLEX basic science exams after the successful completion of the second year.

See clinic entrance prerequisites, page 73.

FOUR-YEAR TRACK

YEAR III

Qtr. Cat.	No.	Course Title	Crdt.	Lec.	L/C	Tot.
Su	BO6303	Botanical Medicine Dispensary Lab	1	0	2	22
	NM7325	Naturopathic Case Analysis & Mgmt 1	1.5	0	3	33
	NM7341	Cardiology	3	3	0	33
	NM7416	Minor Office Procedures ¹	3	3	0	33
	NM7417	Medical Procedures ¹	3	3	0	33
		Quarterly Subtotal	11.5	9	5	154
		1-2 Clinic Shifts ²	2-4	0	4-8	44-88
F	BO7300	Botanical Medicine 4 Lec/Lab	2	1.5	1 ³	26.5
	MW7320	Normal Maternity	3	3	0	33
	NM 7302	Gastroenterology ⁴	2	2	0	22
	NM 7307	EENT	2	2	0	22
	NM7313	Gynecology	3	3	0	33
	PM7301	Naturopathic Manipulation 2 ⁵	3	3	0	33
	PM7305	Orthopedics	2	2	0	22
	PS7200	Psychological Assessment	2	2	0	22
	TR7411	Diet & Nutrient Therapy 1	3	3	0	33
		Quarterly Subtotal	22	21.5	1	246.5
		1-2 Clinic Shifts ²	2-4	0	4-8	44-88
W	NM7101	Environmental Medicine	1.5	1.5	0	16.5
	NM7102	Public Health	1.5	1.5	0	16.5
	NM7116	Naturopathic Clinical Theory	1	1	0	11
	NM7142	Critical Evaluation of the Medical Literature	2	2	0	22
	NM7304	Dermatology	2	2	0	22
	NM7306	Oncology	2	2	0	22
	NM7314	Pediatrics 1	2	2	0	22
	PM7302	Naturopathic Manipulation 3 ⁶	3	3	0	33
	PM 7341	Sports Medicine/Therapeutic Exercise	2	2	0	22
	PS7203	Addictions & Disorders	2	2	0	22
	TR7412	Diet & Nutrient Therapy 2	3	3	0	33
		Quarterly Subtotal	22	22	0	242
		1-2 Clinic Shifts ²	2-4	0	4-8	44-88
Sp	BO7301	Botanical Medicine 5 Lec/Lab	2	1.5	1	26.5
	NM7305	Clinical Ecology	2	2	0	22
	NM7311	Neurology	2	2	0	22
	NM7315	Pediatrics 2	2	2	0	22
	NM7320	Family Medicine	2	2	0	22
	NM7330	The Healing Systems	1	1	0	11
	NM6105	Fundamentals of Business Operations	2	2	0	22
	PM7303	Naturopathic Manipulation 4 ⁷	3	3	0	33
	PS7315	Naturopathic Counseling 3	2	2	0	22
		Quarterly Subtotal	18	17.5	1	202.5
		1-2 Clinic Shifts ²	2-4	0	4-8	44-88

¹NM7341, NM7416 and NM7417: May also be offered in

spring

²Students are assigned 6 shifts during their first year (4 quarters)

in clinic.

³Two hours every other week times five weeks

⁴NM7302: Offered fall and spring

⁵PM7301: One section usually offered in summer

⁶PM7302: One section usually offered in fall

⁷PM7303: One section usually offered in winter

FOUR-YEAR TRACK**YEAR IV**

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
Su	{NM6115}	Goal Setting and Self Motivation OR	1	1	0	11
	NM6120	Professional Speaking and Writing	1	1	0	11}
	NM8201	Radiographic Interpretation 1 Lecture ¹	2	2	0	22
		Quarterly Subtotal	3	3	2	33
		3-4 Clinic Shifts	6-8	0	12-16	132-176
F	NM8303	Geriatrics	2	2	0	22
	NM8308	Endocrinology ²	3	3	0	33
	NM8312	Urology	1.5	1.5	0	16.5
	NM8325	Nat. Case Analysis & Mgmt 2: Grand Rounds ³	1	0	2	22
	NM8413	Adv'd Naturopathic Therapeutics 1	2	2	0	22
		Quarterly Subtotal	9.5	8.5	2	115.5
		3-4 Clinic Shifts	6-8	0	12-16	132-176
W	NM8101	Ethics ⁴	1	1	0	11
	NM8214	Diagnostic Imaging ⁵	3	3	0	33
	NM8309	Rheumatology	1.5	1.5	0	16.5
	NM8414	Adv'd Naturopathic Therapeutics 2	2	2	0	22
	NM8802	Preceptorship 2	1	0	4	44
		Quarterly Subtotal	8.5	7.5	4	126.5
		3-4 Clinic Shifts	6-8	0	1	132-176
Sp	NM8102	Jurisprudence	1	1	0	11
	NM8212	Radiographic Interpretation 2 ⁵	3	3	0	33
	NM8314	Pulmonary Medicine	1.5	1.5	0	16.5
	NM8803	Preceptorship 3	1	0	4	44
	NM8844	Interim Patient Care ⁶	2	0	4	44
		Quarterly Subtotal	8.5	5.5	8	148.5
		3-4 Clinic Shifts	6-8	0	12-16	132-176

¹NM8201: Offered summer and fall²NM8308: Offered fall and spring³NM8325: Offered in fall, winter and spring⁴NM8101: Offered fall and winter⁵NM8212 and NM8214: Both offered winter and spring⁶NM8844: Students are required to complete a total of 44 interim clinic hours. (Usually students staff the shifts they are assigned to in the quarter just ended.) Students register for and pay for this shift in their last quarter of attendance.**Summary of Clinic Requirements:
Naturopathic Medicine Program**

Qtr. ¹	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
variable	NM7820-29	Patient Care 1-10	20	0	40	440
variable	NM8801-3	Preceptorship 1-3	3	0	12	132
variable	NM8830-36	Patient Care 11-17	14	0	28	308
Variable	NM8844	Interim Patient Care	2	0	4	44
variable	PM7801-2	Physical Medicine 1-2	4	0	8	88
variable	PM8801-2	Physical Medicine 3-4	4	0	8	88
		Clinic Totals	47	0	100	1100

¹Quarterly shift assignments are based on availability.**Elective Requirements: Naturopathic Medicine Program**

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
variable	variable	Elective and Special Topics	14	14	0	154
		Elective Totals	14	14	0	154

Curriculum and course changes in the 2009-2010 Bastyr University Catalog are applicable to students entering during the 2009-2010 academic year. Please refer to the appropriate catalog if interested in curriculum and courses required for any other entering year.

FIVE-YEAR TRACK-OPTION A**YEAR I**

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
F	BC5104	Biochemistry 1	4	4	0	44
	BC5107	Human Physiology 1 Lec/Lab	5.5	4	3	77
	BC5110	Histology ¹	5	4	2	66
	BC5122	Gross Human Anatomy 1	4.5	4	1	55
	BC5122L	Gross Human Anatomy 1 Lab	1	0	2	22
	NM5113	Naturopathic Medicine in Historical Context	2	1	2	33
	NM5804	Clinic Entry 1	1	0	2	22
		Quarterly Totals	23	17	12	319
W	BC5105	Biochemistry 2	4	4	0	44
	BC5108	Human Physiology 2 Lec/Lab	5.5	4	3	77
	BC5123	Gross Human Anatomy 2	4.5	4	1	55
	BC5123L	Gross Human Anatomy 2 Lab	1	0	2	22
	NM5114	Fundamentals of Naturopathic Clinical Theory	2	1	2	33
	OM5120	Fundamental Principles of TCM ¹	3	3	0	33
		Quarterly Totals	20	16	8	264
Sp	BC5106	Biochemistry 3	4	4	0	44
	BC5109	Human Physiology 3	3	3	0	33
	BC5124	Gross Human Anatomy 3	4.5	4	1	55
	BC5124L	Gross Human Anatomy 3 Lab	1	0	2	22
	BC5142	Fundamentals of Research Design ¹	2	2	0	22
	NM5115	Naturopathic Medicine in Global Context	2	1	2	33
	PM5310	Myofascial Analysis	1.5	0	3	33
		Quarterly Totals	18	14	8	242

¹BC5110, BC5142 and OM5120: Usually also offered in summer**FIVE-YEAR TRACK-OPTION A****YEAR II**

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
F	BC5112	Embryology	3	3	0	33
	BC6200	Human Pathology 1	4	4	0	44
	BC6204	Immunology ¹	4	4	0	44
	NM6210	Clinical Lab Diagnosis 1	3.5	2	3	55
		Quarterly Totals	14.5	13	3	176
W	BC6201	Human Pathology 2	4	4	0	44
	BC6209	Infectious Diseases ²	5	5	0	55
	NM6211	Clinical Lab Diagnosis 2	3.5	2	3	55
	PM5301	Hydrotherapy/ Physiotherapy Lecture	2	2	0	22
	PM5305	Hydrotherapy/Physiotherapy Lab ¹	1	0	2	22
		Quarterly Totals	15.5	13	5	198
Sp	BC5129	Neuroscience	5.5	4	3	77
	BC6202	Human Pathology 3	4	4	0	44
	BO5301	Botanical Medicine 1 Lec/Lab	2	1.5	1 ³	26.5
	NM6212	Clinical Lab Diagnosis 3	3.5	2	3	55
		Quarterly Totals	15	11.5	7	202.5

¹BC6204: Usually also offered in summer²BC6209: Offered in winter and spring³Two hours every other week times five weeks

Eligible to take NPLEX basic science exams after the successful completion of the second year.

**FIVE-YEAR TRACK-OPTION A
YEAR III**

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
F	BO6301	Botanical Medicine 2	2	2	0	22
	HO6300	Homeopathy 1	2	2	0	22
	NM6221	Physical/Clinical Diagnosis 1 Lecture	2	2	0	22
	NM6221L	Physical/Clinical Diagnosis 1 Lab	2	1	2	33
	PS6305	Naturopathic Counseling 1	3	3	0	33
	TR6310	Foods, Dietary Systems & Assessment	3	2	2	44
		Quarterly Totals	14	12	4	176
W	BO6302	Botanical Medicine 3 Lec	2	2	0	22
	HO6301	Homeopathy 2	3	3	0	33
	NM6222	Physical/Clinical Diagnosis 2 Lecture	2	2	0	22
	NM6222L	Physical/Clinical Diagnosis 2 Lab	2	1	2	33
	NM7142	Critical Evaluation of the Medical Literature	2	2	0	22
	PS6306	Naturopathic Counseling 2	3	3	0	33
	TR6311	Macro & Micronutrients	3	3	0	33
		Quarterly Totals	17	16	2	198
Sp	BC6305	Pharmacology ¹	5	5	0	55
	HO6302	Homeopathy 3	3	3	0	33
	NM6100	Successful Charting and Coding	1	1	0	11
	NM6224	Physical/Clinical Diagnosis 3 Lecture	2.5	2.5	0	27.5
	NM6224L	Physical/Clinical Diagnosis 3 Lab	2	1	2	33
	NM8801	Preceptorship 1	1	0	4	44
	PM6300	Naturopathic Manipulation 1 ²	2	2	0	22
		Quarterly Totals	16.5	14.5	6	225.5

See clinic entrance prerequisites, page 73.

¹BC6305: Offered in winter and spring

²PM6300: Also offered in winter

**FIVE-YEAR TRACK-OPTION A
YEAR IV**

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
Su	BO6303	Botanical Medicine Dispensary Lab	1	0	2	22
	NM7325	Naturopathic Case Analysis & Mgmt 1	1.5	0	3	33
	NM7341	Cardiology ¹	3	3	0	33
	NM7416	Minor Office Procedures ¹	3	3	0	33
	NM7417	Medical Procedure ¹	3	3	0	33
		Quarterly Subtotal	11.5	9	5	154
		1-2 Clinic Shifts ²	2-4	0	4-8	44-88
F	BO7300	Botanical Medicine 4 Lec/Lab	2	1.5	1 ³	26.5
	MW7320	Normal Maternity	3	3	0	33
	NM7302	Gastroenterology ⁴	2	2	0	22
	NM7307	EENT	2	2	0	22
	NM7313	Gynecology	3	3	0	33
	PM7301	Naturopathic Manipulation 2 ⁵	3	3	0	33
	PM7305	Orthopedics	2	2	0	22
	PS7200	Psychological Assessment	2	2	0	22
	TR7411	Diet & Nutrient Therapy 1	3	3	0	33
		Quarterly Subtotal	22	21.5	1	246.5
		1-2 Clinic Shifts ²	2-4	0	4-8	44-88

W	NM7101	Environmental Medicine	1.5	1.5	0	16.5
	NM7102	Public Health	1.5	1.5	0	16.5
	NM7116	Naturopathic Clinical Theory	1	1	0	11
	NM7304	Dermatology	2	2	0	22
	NM7306	Oncology	2	2	0	22
	NM7314	Pediatrics 1	2	2	0	22
	PM7302	Naturopathic Manipulation 3 ⁶	3	3	0	33
	PM7341	Sports Medicine/Therapeutic Exercise	2	2	0	22
	PS7203	Addictions & Disorders	2	2	0	22
	TR7412	Diet & Nutrient Therapy 2	3	3	0	33
		Quarterly Subtotal	20	20	0	220
		1-2 Clinic Shifts ²	2-4	0	4-8	44-88

Sp	BO7301	Botanical Medicine 5 Lec/Lab	2	1.5	1	26.5
	NM6105	Fundamentals of Business Operations	2	2	0	22
	NM7305	Clinical Ecology	2	2	0	22
	NM7311	Neurology	2	2	0	22
	NM7315	Pediatrics 2	2	2	0	22
	NM7320	Family Medicine	2	2	0	22
	NM7330	The Healing Systems	1	1	0	11
	PM7303	Naturopathic Manipulation 4 ⁷	3	3	0	33
	PS7315	Naturopathic Counseling 3	2	2	0	22
		Quarterly Subtotal	18	17.5	1	202.5
		1-2 Clinic Shifts ²	2-4	0	4-8	44-88

¹NM7341, NM7416 and NM7417: May also be offered in spring

²Students are assigned 6 shifts during their first year (4 quarters) in clinic.

³Two hours every other week times five weeks

⁴NM7302: Offered fall and spring

⁵PM7301: One section usually offered in summer

⁶PM7302: One section usually offered in fall

⁷PM7303: One section usually offered in winter

**FIVE-YEAR TRACK-OPTION A
YEAR V**

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
Su	NM8201	Radiographic Interpretation 1 Lecture ¹	2	2	0	22
	{NM6115	Goal Setting and Self Motivation	1	1	0	11
		OR				
	NM6120	Professional Speaking and Writing	1	1	0	11}
		Quarterly Subtotal	3	3	0	33
		3-4 Clinic Shifts	6-8	0	12-16	132-176
F	NM8303	Geriatrics	2	2	0	22
	NM8308	Endocrinology ²	3	3	0	33
	NM8312	Urology	1.5	1.5	0	16.5
	NM8325	Nat. Case Analysis & Mgmt 2: Grand Rounds ³	1	0	2	22
	NM8413	Adv'd Naturopathic Therapeutics 1	2	2	0	22
		Quarterly Subtotal	9.5	8.5	2	115.5
		3-4 Clinic Shifts	6-8	0	12-16	132-176
W	NM8101	Ethics ⁴	1	1	0	11
	NM8214	Diagnostic Imaging ⁵	3	3	0	33
	NM8309	Rheumatology	1.5	1.5	0	16.5
	NM8414	Adv'd Naturopathic Therapeutics 2	2	2	0	22
	NM8802	Preceptorship 2	1	0	4	44
		Quarterly Subtotal	8.5	7.5	4	126.5
		3-4 Clinic Shifts	6-8	0	12-16	132-176

Sp	NM8102	Jurisprudence	1	1	0	11
	NM8212	Radiographic Interpretation 2 ⁵	3	3	0	33
	NM8314	Pulmonary Medicine	1.5	1.5	0	16.5
	NM8803	Preceptorship 3	1	0	4	44
	NM8844	Interim Patient Care ⁶	2	0	4	44
		Quarterly Subtotal	8.5	5.5	8	148.5
		3-4 Clinic Shifts	6-8	0	12-16	132-176

¹NM8201: Offered summer and fall

²NM8308: Offered fall and spring

³NM8325: Offered in fall, winter and spring

⁴NM8101: Offered fall and winter

⁵NM8212 and NM8214: Both offered winter and spring

⁶NM8844: Students are required to complete a total of 44 interim clinic hours. (Usually students staff the shifts they are assigned to in the quarter just ended.) Students register for and pay for this shift in their last quarter of attendance.

Summary of Clinic Requirements: Naturopathic Medicine Program

Qtr. ¹	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
variable	NM7820-29	Patient Care 1-10	20	0	40	440
variable	NM8801-3	Preceptorship 1-3	3	0	12	132
variable	NM8830-36	Patient Care 11-17	14	0	28	308
variable	NM8844	Interim Patient Care	2	0	4	44
variable	PM7801-2	Physical Medicine 1-2	4	0	8	88
variable	PM8801-2	Physical Medicine 3-4	4	0	8	88
		Clinic Totals	47	0	100	1100

¹Quarterly shift assignments are based on availability.

Elective Requirements: Naturopathic Medicine Program

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
variable	variable	Elective and Special Topics	14	14	0	154
		Elective Totals	14	14	0	154

Curriculum and course changes in the 2009-2010 Bastyr University Catalog are applicable to students entering during the 2009-2010 academic year. Please refer to the appropriate catalog if interested in curriculum and courses required for any other entering year.

FIVE-YEAR TRACK-OPTION B YEAR I

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
F	BC5104	Biochemistry 1	4	4	0	44
	BC5107	Human Physiology 1 Lec/Lab	5.5	4	3	77
	BC5110	Histology ¹	5	4	2	66
	BC5122	Gross Human Anatomy 1	4.5	4	1	55
	BC5122L	Gross Human Anatomy 1 Lab	1	0	2	22
	NM5113	Naturopathic Medicine in Historical Context	2	1	2	33
	NM5804	Clinic Entry 1	1	0	2	22
		Quarterly Totals	23	17	12	319

W	BC5105	Biochemistry 2	4	4	0	44
	BC5108	Human Physiology 2 Lec/Lab	5.5	4	3	77
	BC5112	Embryology	3	3	0	33
	BC5123	Gross Human Anatomy 2	4.5	4	1	55
	BC5123L	Gross Human Anatomy 2 Lab	1	0	2	22
	BC5142	Fundamentals of Research Design ¹	2	2	0	22
	NM5114	Fundamentals of Naturopathic Clinical Theory	2	1	2	33
	OM5120	Fundamental Principles of TCM ¹	3	3	0	33
	PM5301	Hydrotherapy/ Physiotherapy Lecture	2	2	0	22
	PM5305	Hydrotherapy/Physiotherapy Lab ¹	1	0	2	22
		Quarterly Totals	28	23	10	363
Sp	BC5106	Biochemistry 3	4	4	0	44
	BC5109	Human Physiology 3	3	3	0	33
	BC5124	Gross Human Anatomy 3	4.5	4	1	55
	BC5124L	Gross Human Anatomy 3 Lab	1	0	2	22
	BC5129	Neuroscience	5.5	4	3	77
	BO5301	Botanical Medicine 1 Lec/Lab	2	1.5	1 ²	26.5
	NM5115	Naturopathic Medicine in Global Context	2	1	2	33
	PM5310	Myofascial Analysis	1.5	0	3	33
		Quarterly Totals	23.5	17.5	12	323.5

¹BC5110, BC5142 and OM5120: Usually also offered in summer

²Two hours every other week times five weeks

FIVE-YEAR TRACK-OPTION B YEAR II

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
F	BC6200	Human Pathology 1	4	4	0	44
	BC6204	Immunology ¹	4	4	0	44
	BO6301	Botanical Medicine 2	2	2	0	22
	HO6300	Homeopathy 1	2	2	0	22
	NM6210	Clinical Lab Diagnosis 1	3.5	2	3	55
	NM6221	Physical/Clinical Diagnosis 1 Lecture	2	2	0	22
	NM6221L	Physical/Clinical Diagnosis 1 Lab	2	1	2	33
	PS6305	Naturopathic Counseling 1	3	3	0	33
	TR6310	Foods, Dietary Systems & Assessment	3	2	2	44
		Quarterly Totals	25.5	22	7	319
W	BC6201	Human Pathology 2	4	4	0	44
	BC6209	Infectious Diseases ²	5	5	0	55
	BO6302	Botanical Medicine 3 Lec	2	2	0	22
	HO6301	Homeopathy 2	3	3	0	33
	NM6211	Clinical Lab Diagnosis 2	3.5	2	3	55
	NM6222	Physical/Clinical Diagnosis 2 Lecture	2	2	0	22
	NM6222L	Physical/Clinical Diagnosis 2 Lab	2	1	2	33
	PS6306	Naturopathic Counseling 2	3	3	0	33
	TR6311	Macro & Micronutrients	3	3	0	33
		Quarterly Totals	27.5	25	5	330
Sp	BC6202	Human Pathology 3	4	4	0	44
	BC6305	Pharmacology ²	5	5	0	55
	BO6303	Botanical Medicine Dispensary Lab ¹	1	0	2	22
	HO6302	Homeopathy 3	3	3	0	33
	NM6212	Clinical Lab Diagnosis 3	3.5	2	3	55
	NM6224	Physical/Clinical Diagnosis 3 Lecture	2.5	2.5	0	27.5
	NM6224L	Physical/Clinical Diagnosis 3 Lab	2	1	2	33
	NM6100	Successful Charting and Coding	1	1	0	11
	NM8801	Preceptorship 1	1	0	4	44
	PM6300	Naturopathic Manipulation 1	2	2	0	22
		Quarterly Totals	25	20.5	11	346.5

¹BO6204: Usually also offered in summer

²BC6209 and BC6305: Offered in winter and spring

Eligible to take NPLEX basic science exams after the successful completion of the second year.
See clinic entrance prerequisites, page 73.

**FIVE-YEAR TRACK-OPTION B
YEAR III**

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
F	MW7320	Normal Maternity	3	3	0	33
	PM7301	Naturopathic Manipulation 2 ¹	3	3	0	33
	PM7305	Orthopedics	2	2	0	22
	NM7313	Gynecology	3	3	0	33
	PS7200	Psychology Assessment	2	2	0	22
	TR7411	Diet & Nutrient Therapy 1	3	3	0	33
		Quarterly Subtotal	16	16	0	176
		1-2 Clinic Shifts ²	2-4	0	4-8	44-88
W	NM7101	Environmental Medicine	1.5	1.5	0	16.5
	NM7102	Public Health	1.5	1.5	0	16.5
	NM7116	Naturopathic Clinical Theory	1	1	0	11
	NM7142	Critical Evaluation of the Medical Literature	2	2	0	22
	NM7314	Pediatrics 1	2	2	0	22
	PM7302	Naturopathic Manipulation 3 ³	3	3	0	33
	PS7203	Addictions & Disorders	2	2	0	22
	TR7412	Diet & Nutrient Therapy 2	3	3	0	33
		Quarterly Subtotal	16	16	0	176
		1-2 Clinic Shifts ²	2-4	0	4-8	44-88
Sp	NM7315	Pediatrics 2	2	2	0	22
	NM7320	Family Medicine	2	2	0	22
	NM7330	The Healing Systems	1	1	0	11
	PM7303	Naturopathic Manipulation 4 ⁴	3	3	0	33
	PS7315	Naturopathic Counseling 3	2	2	0	22
		Quarterly Subtotal	10	10	0	110
		1-2 Clinic Shifts ²	2-4	0	4-8	44-88

¹PM7301: One section usually offered in summer
²Students are assigned 6 shifts during their first year (4 quarters) in clinic.
³PM7302: One section usually offered in fall
⁴PM7303: One section usually offered in winter

**FIVE-YEAR TRACK-OPTION B
YEAR IV**

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
Su	NM7325	Naturopathic Case Analysis & Mgmt 1	1.5	0	3	33
	NM7341	Cardiology ¹	3	3	0	33
	NM7416	Minor Office Procedures ¹	3	3	0	33
	NM7417	Medical Procedures ¹	3	3	0	33
		Quarterly Subtotal	10.5	9	3	132
		1-2 Clinic Shifts	2-4	0	4-8	44-88
F	BO7300	Botanical Medicine 4 Lec/Lab	2	1.5	1 ²	26.5
	NM7302	Gastroenterology ³	2	2	0	22
	NM7307	EENT	2	2	0	22
		Quarterly Subtotal	6	5.5	1	70.5
		1-2 Clinic Shifts	2-4	0	4-8	44-88
W	NM7304	Dermatology	2	2	0	22
	NM7306	Oncology	2	2	0	22
	PM7341	Sports Medicine/Therapeutic Exercise	2	2	0	22
		Quarterly Subtotal	6	6	0	66
		1-2 Clinic Shifts	2-4	0	4-8	44-88

Sp	BO7301	Botanical Medicine 5 Lec/Lab	2	1.5	1 ²	26.5
	NM6105	Fundamentals of Business Operations	2	2	0	22
	NM7305	Clinical Ecology	2	2	0	22
	NM7311	Neurology	2	2	0	22
		Quarterly Subtotal	8	7.5	1	92.5
		1-2 Clinic Shifts	2-4	0	4-8	44-88

¹NM7341, NM7416 and NM7417: May also be offered in spring
²Two hours every other week times five weeks
³NM7302: Offered fall and spring

**FIVE-YEAR TRACK-OPTION B
YEAR V**

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
Su	NM8201	Radiographic Interpretation 1 Lecture ¹	2	2	0	22
	{NM6115	Goal Setting and Self Motivation	1	1	0	11
		OR				
	NM6120	Professional Speaking and Writing	1	1	0	11}
		Quarterly Subtotal	3	3	0	33
		3-4 Clinic Shifts	6-8	0	12-16	132-176
F	NM8303	Geriatrics	2	2	0	22
	NM8308	Endocrinology ²	3	3	0	33
	NM8312	Urology	1.5	1.5	0	16.5
	NM8325	Nat. Case Analysis & Mgmt 2: Grand Rounds ³	1	0	2	22
	NM8413	Adv'd Naturopathic Therapeutics 1	2	2	0	22
		Quarterly Subtotal	9.5	8.5	2	115.5
		2-3 Clinic Shifts	4-6	0	6-8	66-88
W	NM8101	Ethics ⁴	1	1	0	11
	NM8214	Diagnostic Imaging ⁵	3	3	0	33
	NM8309	Rheumatology	1.5	1.5	0	16.5
	NM8414	Adv'd Naturopathic Therapeutics 2	2	2	0	22
	NM8802	Preceptorship 2	1	0	4	44
		Quarterly Subtotal	8.5	7.5	4	126.5
		2-3 Clinic Shifts	4-6	0	6-8	66-88
Sp	NM8102	Jurisprudence	1	1	0	11
	NM8212	Radiographic Interpretation 2 ⁵	3	3	0	33
	NM8314	Pulmonary Medicine	1.5	1.5	0	16.5
	NM8803	Preceptorship 3	1	0	4	44
	NM8844	Interim Patient Care ⁶	2	0	4	44
		Quarterly Subtotal	8.5	5.5	8	148.5
		2-3 Clinic Shifts	4-6	0	6-8	66-88

¹NM8206: Offered summer and fall
²NM8308: Offered fall and spring
³NM8325: Offered in fall, winter and spring
⁴NM8101: Offered fall and winter
⁵NM8212 and NM8214: Both offered winter and spring
⁶NM8844: Students are required to complete a total of 44 interim clinic hours. (Usually students staff the shifts they are assigned to in the quarter just ended.) Students generally register and pay for this shift in their last quarter of attendance.

**Summary of Clinic Requirements:
Naturopathic Medicine Program**

Qtr. ¹	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
variable	NM7820-29	Patient Care 1-10	20	0	40	440
variable	NM8801-3	Preceptorship 1-3	3	0	12	132
variable	NM8830-36	Patient Care 11-17	14	0	28	308
variable	NM8844	Interim Patient Care	2	0	4	44
variable	PM7801-2	Physical Medicine 1-2	4	0	8	88
variable	PM8801-2	Physical Medicine 3-4	4	0	8	88
		Clinic Totals	47	0	100	1100

¹Quarterly shift assignments are based on availability.

Elective Requirements: Naturopathic Medicine Program

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
variable	variable	Elective and Special Topics	14	14	0	154
Elective Totals			14	14	0	154

Curriculum and course changes in the 2009-2010 Bastyr University Catalog are applicable to students entering during the 2009-2010 academic year. Please refer to the appropriate catalog if interested in curriculum and courses required for any other entering year.

The following total requirements apply to all naturopathic medicine program tracks.

Total Requirements: Naturopathic Medicine Program

	Crdt.	Lec.	L/C	Tot.
Total Core Course Credits and Hours	249.5	219.5	60	3071.5
Total Elective Credits and Hours	14	14	0	154
Total Clinic Credits and Hours	47	0	100	1100
Total Requirements	310.5	233.5	160	4325.5

CERTIFICATE IN NATUROPATHIC MIDWIFERY

The naturopathic midwifery program provides training leading to a Certificate in Naturopathic Midwifery.

The vision of the naturopathic midwifery program is:

- *To preserve naturopathic childbirth within the scope of naturopathic medical practice and to promote naturopathic midwifery nationwide.*
- *To improve the quality of care provided to childbearing women and their families.*
- *To preserve the normalcy of childbearing and promote natural childbirth.*

Graduates are uniquely qualified among naturopathic physicians and among midwives. As comprehensive naturopathic family physicians, they enjoy an extended scope of practice in the provision of care to the birthing woman and her family. In their role as naturopathic midwives, they augment the midwives' model of care with the naturopathic principles of practice and exceed the midwifery scope of practice by providing ongoing pediatric, gynecological and family care. The depth and breadth of naturopathic medicine is wholly embodied in the naturopathic doctor specializing in maternity care.

Upon completion of our program the graduate will be able to:

- Implement an integrated, comprehensive knowledge and skill base to competently provide independent, evidenced-based, naturopathic midwifery care according to the

midwives Alliance of North America (MANA) core competencies, MANA standards and qualifications for the art and practice of midwifery as well as AANP naturopathic principles and code of ethics, within prescribed legal boundaries.

- Practice interdependently with other members of the health care team.
- Advocate for the client as an integral member of the health care team with distinct rights and responsibilities, facilitating empowerment and promoting health.
- Provide culturally sensitive care integrating knowledge and wisdom about the biophysical, psychosocial, spiritual aspects of childbearing according to MANA statement on values and ethics.
- Participate in formal and informal quality assurance mechanisms and pursue lifelong learning.

This certificate adds to the Bastyr naturopathic medicine program 71.5 additional classroom and lab credits, which includes approximately 1,350 clinical hours. At least one year of clinical training is required. These additional requirements may be done concurrently with, or after finishing, a CNME-accredited program in naturopathic medicine. (If taken after completing a naturopathic medicine degree, the program will take one to two years to complete.)

The program is open to graduates of any naturopathic medical program that is accredited by the Council on Naturopathic Medical Education (CNME). The program is fully accredited by the federally approved Midwifery Education Accreditation Council. The naturopathic midwifery program fulfills the MANA core competencies for midwifery practice and exceeds minimum clinical standards set by both the American College of Nurse Midwives and the North American Registry of Midwives (NARM). Graduates are eligible for licensure as midwives in the state of Washington and may be able to demonstrate eligibility in other states that license midwives. Graduates may also sit for the ACNO (American College of Naturopathic Obstetricians) specialty licensure exam in states that include natural childbirth within the scope of the naturopathic physician. In addition, graduates are eligible to sit for the NARM certified professional midwife (CPM) exam.

Note: New students are no longer being enrolled in the Naturopathic Midwifery program.

DIDACTIC TRAINING

The naturopathic midwifery program is not a freestanding curriculum. It is interwoven with the naturopathic medicine curriculum. It adds approximately one year to the naturopathic medicine program when taken concurrently. Students planning to complete the midwifery program are advised to choose the 5B naturopathic medicine curriculum track in order to allow for the additional clinical and classroom hours required.

NOTE: Students not enrolled in the 5B track will not be placed in high volume, local internship sites.

Many courses in the naturopathic medicine program are prerequisites for the naturopathic midwifery program. Students enrolled in the naturopathic midwifery program may apply nine credits of required midwifery coursework toward the 15 elective credits required in the naturopathic medicine program. Students entering the naturopathic midwifery program have no requirement for midwifery electives; however, students are strongly encouraged to take electives offered by the naturopathic midwifery department and those electives offered by other departments that are applicable to family, maternal, infant and pediatric care.

Students are assessed by classroom faculty and clinical faculty for proficiency in course-specific and clinical competencies as well as the Bastyr global competencies. (See catalog introduction.)

CLINICAL TRAINING

The naturopathic midwifery program requires extensive supervised clinical experience, including the care of women and their babies throughout pregnancy and into the postpartum period. The addition of this program greatly deepens and broadens clinical expertise via at least 1,350 additional hours of supervised patient interactions, physical examinations, charting, lab procedures, etc.

While enrolled in the academic program, students are required to manage 75 prenatal visits (20 must be the initial prenatal visit), 20 newborn visits, 50 postpartum visits, actively participate in at least 25 births and manage 50 births, all under the supervision of an approved preceptor. (Students receive 100 percent supervision during all aspects of clinical training.) In order to enter a birth internship, students must be admitted into the naturopathic midwifery program and have successfully completed all basic science courses and MW7320 Normal Maternity. Prior to managing births or performing any skills independently at births, students must have completed MW7303 Labor Complications.

Of the 50 births managed, 15 must be with one preceptor and 15 must be births at home or in an out-of-hospital setting. To satisfy continuity of care requirements, at least four of these managements must be with women for whom the student has provided primary care during at least four prenatal visits, the birth, a newborn exam and one postpartum exam. In addition, the management of 20 newborn exams must be documented. Students are required to train in at least two different preceptor sites. Each of the 75 birth experiences counts as one-half credit, for a total of 37.5 credits. Advanced clinical standing status may be approved by the naturopathic midwifery department chair.

All clinical experience is gained in internships secured by students with approved physicians or midwives practicing in the U.S. or abroad. Each student is responsible for arranging his/her own internship with guidance from the naturopathic midwifery department. All preceptors must be practicing legally within their state or country and must be approved by the department chair. Approval can take as long as eight weeks for out-of-state sites. Advanced students may be placed in an overseas, high-volume birth site. These sites are hospital-based and require at least a one-month commitment. See the financial aid office for loan information.

Students are required to obtain training in neonatal resuscitation, adult CPR, a TB test, a Washington State Patrol background check, and must complete a criminal history disclosure form before beginning their internships. Information about times and locations of neonatal resuscitation workshops is available through Seattle Children's Hospital. Students must keep resuscitation trainings current throughout the clinical training experience and are responsible for the costs incurred.

Once placed in an internship, students are required to meet with the naturopathic midwifery department chair each quarter to review evaluations and to register births. If students are interning at a distance, they must maintain timely contact with the chair each quarter by whatever means appropriate. Those admitted to the program who are not involved in internships are also expected to schedule and attend a quarterly advising session with the department chair.

GRADUATION REQUIREMENTS

Students enrolled in the naturopathic midwifery program are required to complete the Bastyr University naturopathic medicine program or be a graduate

of a CNME-accredited naturopathic college or program, and are required to complete 32 credits of specialized naturopathic midwifery courses, 2 credits of midwifery independent study, and 37.5 credits of birth practicum. A student shall be issued the Certificate in Naturopathic Midwifery when all the following requirements have been met:

- Receipt of the doctor of naturopathic medicine degree.
- Satisfactory completion of all naturopathic midwifery program courses.
- Compilation of approved clinical practice guidelines.
- Completion of all naturopathic midwifery program clinical requirements.
- Recommendation from the naturopathic midwifery department chair.

Bastyr students who enter the program while enrolled in the naturopathic medicine program have three years from their ND graduation date to complete the naturopathic midwifery program. Those with an ND degree from Bastyr or any other CNME-accredited program have three years to complete the naturopathic midwifery program.

LICENSURE

In most states that license naturopathic physicians to provide intrapartum care, practitioners must have graduated from a maternity care specialty program offered within a CNME-accredited naturopathic medicine program. In addition, they are required to pass the American College of Naturopathic Obstetricians (ACNO) exam. In states using the North American Registry of Midwives (NARM) exam, our graduates are eligible to be licensed or registered as midwives or as certified professional midwives (CPMs).

The curriculum table that follows lists the tentative schedule of courses each quarter. Next to each course are the number of credits per course (Crdt.), the lecture hours each week (Lec.) and the lab/clinic hours each week (L/C).

CERTIFICATE IN NATUROPATHIC MIDWIFERY 2009-2010

YEAR I

Cat. No.	Course Title	Crdt.	Lec.	L/C
MW9100	MW Wisdom: An Introduction ¹	3	3	0

YEAR II

Cat. No.	Course Title	Crdt.	Lec.	L/C
MW9115	Doula Training ¹	3	3	0

YEAR III

Cat. No.	Course Title	Crdt.	Lec.	L/C
MW7302	Prenatal Complications	3	3	0
MW7303	Labor Complications	3	3	0
MW7304	Maternal Postpartum	2	2	0
MW7320	Normal Maternity ²	3	3	0
MW7321	Advanced Normal Maternity	2	1	2
MW8102	Childbirth Education	1	1	0
PS6303	Sexuality & Sex Therapy	2	2	0
TR7311	Maternal & Infant Nutrition	3	3	0

YEAR IV

Cat. No.	Course Title	Crdt.	Lec.	L/C
BC8410	Clinical Pharmacology in Midwifery	1	1	0
MW7310	Neonatology	3	3	0
MW7315	Practitioner's Guide to Lactation Management	2	2	0
MW7901	Independent Study	var ³	0	var
MW8103	Legal & Professional Issues in Midwifery	2	2	0
MW8105	Grief & Loss in Midwifery	2	2	0
MW8800	Childbirth Practicum-Participations	var ⁴	0	var
MW8802	Childbirth Practicum-Managements	var ⁴	0	var
MW8811	Birth Rounds 1	1	0	2
MW8812	Birth Rounds 2	1	0	2
MW8813	Birth Rounds 3	1	0	2

YEAR V

Cat. No.	Course Title	Crdt.	Lec.	L/C
MW8800 & 8802	Childbirth Practicum	var ⁴	0	var

¹Electives are subject to change and may not be offered every year.

²Also required in the naturopathic medicine curriculum

³Students are required to take 2 credits of independent study (MW7901, MW7902 or MW7903). Students are permitted to study more than one topic but must register using a separate course number for each topic.

⁴Upon completion, Childbirth Practicum will total 37.5 credits, 12.5 credits as an active participant and 25 credits as the primary midwife under supervision ("managements").

Total Requirements: Naturopathic Midwifery Program

Totals below do not include credit requirements for the naturopathic medicine program or elective credits.

	Crdt.	Lec.	L/C
Total Core Course Credits and Hours	34	28	8
Total Practicum Credits and Hours	37.5	0	var

Curriculum and course changes in the 2009-2010 Bastyr University Catalog are applicable to students entering the naturopathic midwifery program during the 2009-2010 academic year. Please refer to the appropriate catalog if interested in curriculum and courses required for any other entering year.

NATUROPATHIC MEDICINE/ ACUPUNCTURE AND ORIENTAL MEDICINE DUAL TRACK

Students in the Bastyr University naturopathic medicine program who are academically in good standing have the opportunity to apply to the Master of Science in Acupuncture (MSA) or the

Master of Science in Acupuncture and Oriental Medicine (MSAOM) program in October of their second year of the four-year track. This requires a formal application to the acupuncture and Oriental medicine program through the admissions department, followed by a joint interview by both the AOM and ND schools.

ND students who are considering applying to the School of AOM as their second program are strongly encouraged to be enrolled as four-year track students during their first two years of attendance. In essence, the dual track program requires that students have successfully completed their pre-clinical ND training before they add a second degree program. Students who are accepted into the AOM program must switch their naturopathic program to the five-year track in order to carry a combined program load. Students with advanced medical training, e.g., DC, DO or MD, must successfully complete the first year of study in their original program before acceptance into dual status. Dual program applicants are able to utilize their basic science coursework in the naturopathic program toward their MSA or MSAOM.

Please note that some states require Chinese herbal training for acupuncture licensure. Please see the School of Acupuncture and Oriental Medicine master's program description for complete information on degree and licensing requirements.

DUAL TRACK ELECTIVE CREDITS

Dual track students must complete 10 elective credits. Four of the elective credits must be from Oriental medicine or Chinese medicine and six credits from other disciplines. If a dual track student has waived a required course from either program, core course credit from the *opposite* program cannot be used to cover the waiver. Use of core credits would result in a shortage of overall credits.

The curriculum tables that follow list the tentative schedule of courses each quarter. Next to each course are the number of credits per course (Crdt.), the lecture hours each week (Lec.), the lab/clinic hours each week (L/C) and the total contact hours for the course over the entire quarter (Tot).

DOCTOR OF NATUROPATHIC MEDICINE/MASTER OF SCIENCE IN ACUPUNCTURE (MSA) OR ACUPUNCTURE AND ORIENTAL MEDICINE (MSAOM) 2009-2010

Note: Since a naturopathic medicine student enters the dual program after completion of the 2nd year of the NM program, the curriculum that follows reflects the NM curriculum from the 2007/2008 catalog and the MSA/MSAOM curriculum from the 2009-2010 catalog.

YEAR I

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
F	BC5104	Biochemistry 1	4	4	0	44
	BC5107	Human Physiology 1 Lec/Lab	5.5	4	3	77
	BC5110	Histology ¹	5	4	2	66
	BC5122	Gross Human Anatomy 1	4.5	4	1	55
	BC5122L	Gross Human Anatomy 1 Lab	1	0	2	22
	NM5113	Naturopathic Medicine in Historical Context	2	1	2	33
	NM5804	Clinic Entry 1	1	0	2	22
		Quarterly Totals	23	17	12	319
W	BC5105	Biochemistry 2	4	4	0	44
	BC5108	Human Physiology 2 Lec/Lab	5.5	4	3	77
	BC5112	Embryology	3	3	0	33
	BC5123	Gross Human Anatomy 2	4.5	4	1	55
	BC5123L	Gross Human Anatomy 2 Lab	1	0	2	22
	BC5142	Fundamentals of Research Design ¹	2	2	0	22
	NM5114	Fundamentals of Naturopathic Clinical Theory	2	1	2	33
	PM5301	Hydrotherapy/ Physiotherapy Lecture	2	2	0	22
	PM5305	Hydrotherapy/Physiotherapy Lab	1	0	2	22
		Quarterly Totals	25	20	10	330
Sp	BC5106	Biochemistry 3	4	4	0	44
	BC5109	Human Physiology 3	3	3	0	33
	BC5124	Gross Human Anatomy 3	4.5	4	1	55
	BC5124L	Gross Human Anatomy 3 Lab	1	0	2	22
	BC5129	Neuroscience	5.5	4	3	77
	BO5301	Botanical Medicine 1 Lec/Lab	2	1.5	1 ²	26.5
	NM5115	Naturopathic Medicine in Global Context	2	1	2	33
	PM5310	Myofascial Analysis	1.5	0	3	33
		Quarterly Totals	23.5	17.5	12	323.5

¹BC5110, BC5142: Usually also offered in summer

²Two hours every other week times five weeks

YEAR II

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
F	BC6200	Human Pathology 1	4	4	0	44
	BC6204	Immunology ¹	4	4	0	44
	BO6301	Botanical Medicine 2	2	2	0	22
	HO6300	Homeopathy 1	2	2	0	22
	NM6210	Clinical Lab Diagnosis 1	3.5	2	3	55
	NM6221	Physical/Clinical Diagnosis 1 Lecture	2	2	0	22
	NM6221L	Physical/Clinical Diagnosis 1 Lab	2	1	2	33
	PS6305	Naturopathic Counseling 1	3	3	0	33
	TR6310	Foods, Dietary Systems & Assessment	3	2	2	44
		Quarterly Totals	25.5	22	7	319

W	BC6201	Human Pathology 2	4	4	0	44
	BC6209	Infectious Diseases ²	5	5	0	55
	BO6302	Botanical Medicine 3 Lec	2	2	0	22
	HO6301	Homeopathy 2	3	3	0	33
	NM6211	Clinical Lab Diagnosis 2	3.5	2	3	55
	NM6222	Physical/Clinical Diagnosis 2 Lecture	2	2	0	22
	NM6222L	Physical/Clinical Diagnosis 2 Lab	2	1	2	33
	NM7101	Environmental Medicine	1.5	1.5	0	16.5
	NM7102	Public Health	1.5	1.5	0	16.5
	PS6306	Naturopathic Counseling 2	3	3	0	33
	TR6311	Macro & Micronutrients	3	3	0	33
		Quarterly Totals	30.5	28	5	363
Sp	BC6202	Human Pathology 3	4	4	0	44
	BC6305	Pharmacology ²	5	5	0	55
	HO6302	Homeopathy 3	3	3	0	33
	NM6212	Clinical Lab Diagnosis 3	3.5	2	3	55
	NM6223	Physical/Clinical Diagnosis 3 Lecture	2	2	0	22
	NM6223L	Physical/Clinical Diagnosis 3 Lab	2	1	2	33
	NM6804	Clinic Entry 2	1	1	0	11
	NM8801	Preceptorship 1	1	0	4	44
	PM6300	Naturopathic Manipulation 1	2	2	0	22
		Quarterly Totals	23.5	20	9	319

¹BC6204: Usually also offered in summer. Summer enrollment is recommended for dual track students.

²BC6209 and BC6305: Offered in winter and spring
Eligible to take NPLEX basic science exams after the successful completion of the second year.
See clinic entrance prerequisites, page 73.

NOTE: The didactic courses that follow in italics are the additional courses required for the MSAOM degree. The shifts that follow in italics represent the distribution of shifts for the MSAOM degree. For those students in the MSA program, please follow the shift distribution in regular text.

YEAR III

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
Su	BO6303	Botanical Medicine Dispensary Lab	1	0	2	22
	NM7325	Naturopathic Case Analysis & Mgmt 1	1.5	0	3	33
	NM7341	Cardiology ¹	3	3	0	33
	NM7417	Medical Procedures ¹	3	3	0	33
		Quarterly Subtotal	8.5	6	5	121
		NM Clinic Shift 1	2	0	4	44
		PM Clinic Shift 1	2	0	4	44
F	MW7320	Normal Maternity	3	3	0	33
	NM7313	Gynecology	3	3	0	33
	OM4106	Meridians & Points 1	4	4	0	44
	OM4118	TCM Fundamentals	4	4	0	44
	OM5121	Medical Chinese 1	1	1	0	11
	OM4315	TCM Bodywork: Tui Na	1	0	2	22
	OM4406	Qi Gong	1	0	2	22
	PM7301	Naturopathic Manipulation 2 ²	3	3	0	33
	PM7305	Orthopedics	2	2	0	22
	PS7200	Psychology Assessment	2	2	0	22
	TR7411	Diet & Nutrient Therapy 1	3	3	0	33
		Quarterly Subtotal	27	25	4	319
		<i>NM Clinic Shifts 2-3</i>	4	0	8	88
		<i>NM Clinic Shift 2</i>	2	0	4	44

W	NM7116	Naturopathic Clinical Theory	1	1	0	11
	NM7314	Pediatrics 1	2	2	0	22
	OM4107	Meridians & Points 2	4	4	0	44
	OM4211	TCM Diagnosis 1	3	3	0	33
	OM4221	TCM Pathology 1	3	3	0	33
	OM4411	TCM Techniques 1	2	2	0	22
	OM5442	Tai Chi	1	0	2	22
	PM7302	Naturopathic Manipulation 3 ³	3	3	0	33
	PS7203	Addictions & Disorders	2	2	0	22
		Quarterly Subtotal	21	20	2	242
		<i>NM Clinic Shift 4</i>	2	0	4	44
		<i>PM Clinic Shift 2</i>	2	0	4	44
		<i>NM Clinic Shift 3</i>	2	0	4	44
		<i>PM Clinic Shift 2</i>	2	0	4	44
Sp	NM7315	Pediatrics 2	2	2	0	22
	NM7320	Family Medicine	2	2	0	22
	NM7330	The Healing Systems	1	1	0	11
	OM4108	Meridians & Points 3	4	4	0	44
	OM4212	TCM Diagnosis 2	3	2	2	44
	OM4222	TCM Pathology 2	3	3	0	33
	OM5430	TCM Techniques 2	2	2	0	22
	PM7303	Naturopathic Manipulation 4 ⁴	3	3	0	33
	PS7315	Naturopathic Counseling 3	2	2	0	22
		Quarterly Subtotal	22	21	2	253
		<i>AOM Clinic Observation 1⁵</i>	2	0	4	44
		<i>AOM Clinic Observation 1⁵</i>	2	0	4	44
		<i>NM Clinic Shift 5</i>	2	0	4	44
		<i>NM Clinic Shift 4</i>	2	0	4	44

¹NM7341 and NM7417: May also be offered in spring

²PM7301: One section usually offered in summer

³PM7302: One section usually offered in fall

⁴PM7303: One section usually offered in winter

⁵All Observation shifts occur between winter quarter of year III and winter quarter of year IV of the dual track program.

YEAR IV

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
Su	BO3101	<i>Intro to Botany</i>	3	2	2	44
	CH6421	<i>Chinese Materia Medica 1</i>	4	4	0	44
	NM7416	Minor Office Procedures ¹	3	3	0	33
	OM5122	<i>Medical Chinese 2</i>	1	1	0	11
	TR7412	Diet & Nutrient Therapy 2	3	3	0	33
		Quarterly Subtotal	14	13	2	165
		<i>CHM Dispensary 1²</i>	2	0	4	44
		<i>NM Clinic Shifts 6-7</i>	4	0	8	88
		<i>NM Clinic Shifts 5-6</i>	4	0	8	88
F	BO7300	Botanical Medicine 4 Lec/Lab	2	1.5	1	26.5
	CH6422	<i>Chinese Materia Medica 2</i>	4	4	0	44
	NM7302	Gastroenterology	2	2	0	22
	NM7307	EENT	2	2	0	22
	OM5123	<i>Medical Chinese 3</i>	2	2	0	22
	OM5414	Acupuncture Therapeutics 1	2	2	0	22
	OM5415	Acupuncture Therapeutics 2	2	2	0	22
	OM5436	TCM Techniques 3	2	2	0	22
		Quarterly Subtotal	18	17.5	1	202.5
		<i>AOM Clinic Observation 2</i>	2	0	4	44
		<i>AOM Clinic Observation 2</i>	2	0	4	44
		<i>NM Clinic Shifts 8-9</i>	4	0	8	88
		<i>NM Clinic Shifts 7-8</i>	4	0	8	88

W	CH6423	Chinese Materia Medica 3	4	4	0	44	F	CH6408	Chinese Herbal Therapeutics 1	4	4	0	44
	NM7304	Dermatology	2	2	0	22		NM8303	Geriatrics	2	2	0	22
	NM7306	Oncology	2	2	0	22		NM8308	Endocrinology ²	3	3	0	33
	OM5124	Medical Chinese 4	2	2	0	22		NM8312	Urology	1.5	1.5	0	16.5
	OM5416	Acupuncture Therapeutics 3	2	2	0	22		NM8325	Nat. Case Analysis & Mgmt 2: Grand Rounds ³	1	0	2	22
	OM5417	Acupuncture Therapeutics 4	2	2	0	22		NM8413	Adv'd Naturopathic Therapeutics 1	2	2	0	22
	OM5438	TCM Techniques Lab	1	0	2	22		OM5405	TCM Whole Foods Nutrition	2	2	0	22
	PM7341	Sports Medicine/Therapeutic Exercise	2	2	0	22		OM6110	TCM Medical Classics	2	2	0	22
		Quarterly Subtotal	17	16	2	198		OM6417	Acupuncture Therapeutics 7	2	2	0	22
		AOM Clinic Observation 3	2	0	4	44		PS6100	Motivational Interviewing	2	2	0	22
		AOM Clinic Observation 3	2	0	4	44			Quarterly Subtotal	21.5	20.5	2	247.5
		AOM Preceptor Observation ²	2	0	4	44			AOM Clinic Internships 6-8	6	0	12	132
		AOM Preceptor Observation ²	2	0	4	44			AOM Clinic Internships 7-9	6	0	12	132
		NM Clinic Shift 10	2	0	4	44			CHM Shift 1	2	0	4	44
		NM Clinic Shifts 9-10	4	0	8	88			NM Clinic Shift 14	2	0	4	44
		PM Clinic Shift 3	2	0	4	44			PM Clinic Shift 3 ⁴	2	0	4	44
Sp	BO7301	Botanical Medicine 5 Lec/Lab	2	1.5	1 ³	26.5	W	BC6100	Pharmacology of CHM & Drug Interactions	2	2	0	22
	CH6431	CHM Herbal Formulations 1	4	4	0	44		CH6409	Chinese Herbal Therapeutics 2	4	4	0	44
	NM7109	Practice Management 1	2	2	0	22		NM8101	Ethics ⁵	1	1	0	11
	NM7305	Clinical Ecology	2	2	0	22		NM8213	Diagnostic Imaging ⁶	2	2	0	22
	NM7311	Neurology	2	2	0	22		NM8309	Rheumatology	1.5	1.5	0	16.5
	OM5300	Auricular Therapy	2	2	0	22		NM8414	Adv'd Naturopathic Therapeutics 2	2	2	0	22
	OM5418	Acupuncture Therapeutics 5	2	2	0	22		NM8802	Preceptorship 2	1	0	4	44
	OM5419	Acupuncture Therapeutics 6	2	2	0	22		OM4101	History of Medicine	2	2	0	22
		Quarterly Subtotal	18	17.5	1	202.5		OM6310	Case Review	2	2	0	22
		AOM Clinic Internships 1-2 ⁴	4	0	8	88		OM6315	Clinical Theatre	2	2	0	22
		AOM Clinic Internships 1-2 ⁴	4	0	8	88			Quarterly Subtotal	19.5	18.5	4	247.5
		CHM Dispensary 2 ⁵	2	0	4	44			AOM Clinic Internships 9-10	4	0	8	88
		NM Clinic Shift 11	2	0	4	44			AOM Clinic Internships 10-12	6	0	12	132
		NM Clinic Shifts 11-12	4	0	8	88			CHM Shift 2	2	0	4	44
									NM Clinic Shifts 15-16	4	0	8	88
									NM Clinic Shifts 15-16	4	0	8	88
Sp	CH6410	Chinese Herbal Therapeutics 3	4	4	0	44							
	NM8102	Jurisprudence	1	1	0	11							
	NM8109	Practice Management 2	2	2	0	22							
	NM8212	Radiographic Interpretation 2 ⁶	3	3	0	33							
	NM8314	Pulmonary Medicine	1.5	1.5	0	16.5							
	NM8803	Preceptorship 3	1	0	4	44							
	NM8844	Interim Patient Care ⁷	2	0	4	44							
	OM6105	Jurisprudence/Ethics	1	1	0	11							
	OM5836	Internship Vacation Clinic ⁷	1.5	0	3.3	36							
		Quarterly Subtotal	17	12.5	11.3	261.5							
		AOM Clinic Shifts 11-12	4	0	8	88							
		AOM Clinic Shifts 13-14	4	0	8	88							
		CHM Shifts 3-4	4	0	8	88							
		NM Clinic Shift 17	2	0	4	44							
		NM Clinic Shift 17	2	0	4	44							
		PM Clinic Shift 4	2	0	4	44							
		PM Clinic Shift 4	2	0	4	44							

¹NM7416: May also be offered in spring

²Preceptorship can be taken during observation or intern phase, once Observation 1 is completed.

³Two hours every other week times five weeks

⁴All AOM requirements listed through winter quarter of year 4 must be completed to be eligible to begin AOM internships.

⁵May be taken in any quarter after beginning the Chinese herbal curriculum

YEAR V

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
Su	CH6432	CHM Herbal Formulations 2	4	4	0	44
	NM8206	Radiographic Interpretation 1 Lec ¹	3	3	0	33
	NM8207	Radiographic Interpretation 1 Lab ¹	1	0	2	22
		Quarterly Subtotal	8	7	2	99
		AOM Clinic Internships 3-5	6	0	12	132
		AOM Clinic Internships 3-6	8	0	16	176
		NM Clinic Shifts 12-13	4	0	4	88
		NM Clinic Shift 13	2	0	4	44

¹NM8206 and NM8207: Both offered summer and fall

²NM8308: Offered fall and spring

³NM8325: Offered in fall, winter and spring

⁴Physical Medicine shifts may be distributed differently; two shifts fulfilling ND requirements will be assigned in each of the last four quarters of the program.

⁵NM8101: Offered fall and winter

⁶NM8212 and NM8213: Both offered winter and spring

⁷Students are required to complete a total of 44 NM Interim Patient Care hours and 36 AOM Internship Vacation hours. (Usually students staff the shifts they are assigned to in the quarter

just ended.) Students register for and pay for this shift in their last quarter of attendance.

YEAR VI

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
Su	CH6411	Chinese Herbal Therapeutics 4	4	4	0	44
		Quarterly Subtotal	4	4	0	44
		AOM Clinic Internship 13-14	4	0	8	88
		CHM Shifts 5-6	4	0	8	88
F		AOM Clinic Internships 15-16	4	0	8	88
		CHM Shifts 7-8	4	0	8	88

For students who choose to take advantage of the optional clinic experience in China, up to eight (8) credits (16 lab hours) may be applied toward AOM Clinical Internship requirement. Acupuncture and CHM shifts will be distributed differently if a student goes to China. All students who plan to study in China must take the one-credit required elective OM6820 Clinic Entry for China in summer quarter of year five just preceding their China internship. This course may be counted toward required AOM elective credits.

Elective Requirements: Naturopathic Medicine/ Acupuncture and Oriental Medicine

Qtr.	Cat. No.	Course Title	Crdt.	Lec.	L/C	Tot.
variable	variable	Elective and Special Topics	10	10	0	110
		Elective Totals	10	10	0	110

Note: Four of the ten elective credits must be from either the OM or CH disciplines. The remaining six credits must be from other disciplines such as NM, HO, BO, PS or TR.

Curriculum and course changes in the 2009-2010 Bastyr University Catalog are applicable to students entering during the 2009-2010 academic year. Please refer to the appropriate catalog if interested in curriculum and courses required for any other entering year.

Total Requirements: Naturopathic Medicine/ Acupuncture and Oriental Medicine

	Crdt.	Lec.	L/C	Tot.
Total Core Course Credits and Hours	360	323	74	4364
Total Elective Credits and Hours	10	10	0	110
Total Clinic Credits and Hours	108.5	0	223.3	2456
Total Requirements	478.5	333	297.3	6930

WAIVED ACUPUNCTURE AND ORIENTAL MEDICINE CLASSES FOR DUAL TRACK STUDENTS

The following courses can be found in the curriculum for the acupuncture or acupuncture and Oriental medicine students. However, the content has been met through the prerequisites of or the coursework for the naturopathic medicine program and are therefore waived for dually enrolled students (shown in order, as found in the MSA/MSAOM curriculum tables):

BC3134	AOM Living Anatomy	4
OM4800	Clinic Entry	2
BC3100	Survey of Organic Chemistry	4
BC3135	Anatomy & Physiology 1 Lec/Lab	5
OM3110	Biochemistry	4
BC3136	Anatomy & Physiology 2 Lec/Lab	4

BC4105	Introduction to Western Pathology	3
BC4125	Pharmacology Overview for AOM	4
OM5321	Survey of Western Clinical Sciences 1	3
OM5322	Survey of Western Clinical Sciences 2	3
OM5323	Survey of Western Clinical Sciences 3	2
BC4120	Microbiology (AOM)	2
BC4120L	Microbiology Lab (AOM)	1
OM5302	Public Health Issues in AOM	2
OM6305	Survey of Biophysics/Electroacupuncture	2
PS5205	Patient Communications	3
TR6105	Nutrition & Dietary Systems	3
BC5140	Research Methods in AOM	3
OM6111	Practice Management 1	2
OM6112	Practice Management 2	1
CH6105	Chinese Herb Preparations	1

FACULTY**WITH HIGHEST DEGREES, LICENSES OBTAINED AND DEPARTMENTAL AFFILIATION****Key**

ABS	(Applied Behavioral Science)
AOM	(Acupuncture & Oriental Medicine)
BS	(Basic Sciences)
BTM	(Botanical Medicine)
EXS	(Exercise Science)
HO	(Homeopathy)
HS	(Herbal Sciences)
IS	(Interdisciplinary Studies)
NM	(Naturopathic Medicine)
NMW	(Naturopathic Midwifery)
NTR	(Nutrition)
PM	(Physical Medicine)
PSY	(Psychology)

CORE

Anderson, Paul S., ND, National College of Naturopathic Medicine (NM)
Brammer, Debra, ND, Bastyr University (NM)
Bradley, Ryan, ND, MPH, Bastyr University, University of Washington (NM)
Cullen, Lauren, ND, Bastyr University (NM)
Dazey, Jenn, ND, Bastyr University (BTM, NM)
Dodge, Christian, ND, MA, Stanford University (MA, BS), Bastyr University (NM))
Frederickson, Richard, PhD, University of North Dakota (BS)
Guiltinan, Jane, ND, Bastyr University (NM)
Hibbs, John, ND, Bastyr University (NM)
Jones, Eric, ND, Bastyr University (NM)
Kingsbury, Sheila, ND, RH (AHG), Bastyr University (BTM, HS, NM, NMW)
Koutoubi, Samer MD, University Institute of Medicine and Pharmacy (Romania), PhD, Florida International University (NTR)

- Lichtenstein, Brad, ND, Bastyr University (NM, PM)
 Littleton, Kent, ND, Bastyr University, MS, University of Washington (BS)
 Mann, Richard, ND, Bastyr University (HO)
 Martin, Morgan, ND, LM, Bastyr University (NMW)
 Modell, Harold, PhD, University of Mississippi Medical Center (BS)
 Nalbandian, Jana, ND, Bastyr University, MT (NM)
 Neary, Dean E., Jr, ND, Bastyr University (PM, NM)
 Parkinson, Andrew, ND, Bastyr University (NM)
 Sivam, Gowsala, PhD, University of Maryland (BS)
 Spicer, Diane, MS, University of Wisconsin (BS)
 Standish, Leanna, ND, Bastyr University, PhD, University of Massachusetts, LAc (NM)
 Steward, Rebecca Love, DVM, Washington State University (BS)
 Takakura, Masahiro, ND, LAc, Bastyr University, DC, National College of Chiropractic (PM)
 Thomas, Aleyamma, PhD, University of Manitoba (BS)
 Wallace, James, ND, Bastyr University (NM)
 Wenner, Cynthia, PhD, Washington University, St. Louis, MO (BS)
 Yarnell, Eric, ND, RH, (AHG), Bastyr University (BTM, HS, NM)
 Yin, Phoebe, ND, Bastyr University (NM)
- ADJUNCT**
- Aasan, Candace, ND, Bastyr University (BTM)
 Anderson, Robert, MD, University of Washington (NM)
 Barry, David, ND, DC, Bastyr University (PM)
 Bauer, Kimberly, ND, Bastyr University (NMW)
 Berman, Lisa, Heilpraktiker, Berlin University (BTM)
 Biery, Nancy, PhD, Johns Hopkins University (HS)
 Bohan, Heidi, Ethnobotanist (HS)
 Brignall, Matt, ND, Bastyr University (NTR, NM)
 Brinton, Catherine, ND, Bastyr University (BS, NM)
 Broderick, Evert, BA, University of Nevada (HS)
 Connor, Kevin, ND, Bastyr University (NM)
 Coyote, Beth, LM, Seattle Midwifery School (NMW)
 Cullen, Tamara, ND, Bastyr University (NM)
 Dazey, Jenn, ND, Bastyr University (HS, BTM)
 DiPasquale, Robin, ND, RH (AHG), Bastyr University (HS)
 DiRienzo, Alyssa, ND, National College of Naturopathic Medicine (NM)
 Drum, Ryan, PhD, Iowa State University (HS)
 Edwards, Louise, ND, National College of Naturopathic Medicine (NM)
 Flaster, Trish, MS, University of Colorado (HS)
 Fresonke, Jill, ND, Bastyr University (NM)
 Gbedawo, Hatha, ND, Bastyr University (NM, PM)
 Ghormley, Jill, ND, Bastyr University (NM, PM)
 Gonzalez, Alicia, ND, Bastyr University (NM)
 Goldhamer, Alan, DC, Western States Chiropractic College (NM)
 Grimes, Melanie (HO)
 Harris, Jeff, ND, Bastyr University (NM)
 Hurley, Karen, ND, Bastyr University (BTM)
 Ivons, Maryann, ND, Bastyr University (NM)
 Kababick, James, BS, University of LaVerne (HS)
 Karsten, Paul, PhD, Samra University, MEd, University of Washington, LAc (AOM, NM)
 Kenner, Carrie, BA, University of Washington (NMW)
 Khalsa, Karta Purkh Singh, AHG, CN (HS, BTM)
 Lair, Cynthia BA, CHN, Wichita State University (NTR)
 Lamden, Mark, ND, Bastyr University (NM)
 Lamson, Davis, PhD, University of Illinois, ND, Bastyr University (NM)
 Lee-Engel, Christy, ND, Bastyr University, LAc (NM)
 Lund, Kaleb, PhD, University of Minnesota (HS))
 Machnicki, Noelle, BS, The Evergreen State College (HS)
 Marcus, Judith, LMP, MA, Antioch University (PM)
 Martin, Katherine, ND, Bastyr University (BTM)
 Martzen, Mark, PhD, University of South Dakota School of Medicine (BS)
 Masterson, John, DC, Life West Chiropractic College (PM)
 McCarty, Rachelle, ND, Bastyr University, MPH, University of Washington (NM, BS)
 McDaniel, Tracy, ND, LM, Bastyr University (NMW)
 Mercer, Nancy, ND, Bastyr University (HO, NM)
 Milkis, Steven, ND, Bastyr University (NM)
 Miller, John, DC, Western States Chiropractic College, DACBR, (NM)
 Nagel, Glen, ND, National College of Naturopathic Medicine (HS)
 Perez, Jennifer, BS, Bastyr University (HS, BTM)
 Peters, Brian, ND, Bastyr University (NM)
 Pilarski, Michael, Herbalist/Wildcrafter (HS)
 Pizzorno, Joseph, ND, National College of Naturopathic Medicine (President Emeritus) (NM)
 Plaza, Steven M., ND, Bastyr University (NM)
 Pournadeali, Esfandiar, MD, PhD (NM)
 Pournadeali, Kasra, ND, Bastyr University (NM)
 Powell, Dirk, ND, National College of Naturopathic Medicine (NM)
 Price, Lisa, ND, Bastyr University (BS)
 Ramanujam, Kumuthini, MD (India), Madras Medical College (BS)
 Riccio, Loren, ND, LM, Bastyr University (NMW)
 Rizzi, Trinity Ava, Herbalist (HS)

- Rubinstein, Joshua, ND, Bastyr University (NM)
Sacco, Keith, ND, LMP, Bastyr University (PM)
Schmidt, Dawn, LMP, Seattle Massage School, BS, California State University (PM)
Sodhi, Shailinder, ND, Bastyr University (AV)
Somol, Kris, ND, Bastyr University (NM)
Stahlberg, Rainer, PhD, Leningrad State University (HS)
Stelzer, Crystal, BS, Bastyr University (HS)
Thomas, Sabine, ND, Bastyr University (NM)
Vlasuk, Susan, DC, National College of Chiropractic, Illinois, DACBR (NM)
Walia, Jas, DC, Western States Chiropractic College, Portland, Oregon (PM)
Wall, Virginia, RN, MS, University of Washington (NMW)
Webb, Brandy, ND, Bastyr University (BTM)
Welliver, Nancy, ND, Bastyr University (BTM, HS, NM)
Yasuda, Gregory, ND, Bastyr University (PM)
Zeff, Jared, ND, National College of Naturopathic Medicine (NM)