

ND FOUR-YEAR CURRICULUM

first year

| COURSE # | FIRST-YEAR FALL | CLINIC | TUTORIAL | LAB | LECTURE | TOTAL HOURS | CREDITS |
|-----------|---------------------------------------|----------|-----------|-----------|------------|-------------|--------------|
| BAS 5110 | Structure and Function I | | | | 156 | 156 | 13.00 |
| BAS 5110T | Structure and Function I Tutorial | | 36 | | | 36 | 3.00 |
| BAS 5110L | Structure and Function I Lab | | | 12 | | 12 | 0.50 |
| BAS 5111 | Clinical Anatomy I | | | | 36 | 36 | 3.00 |
| BAS 5111T | Clinical Anatomy I Tutorial | | 12 | | | 12 | 1.00 |
| BAS 5111L | Clinical Anatomy I Lab | | | 36 | | 36 | 1.50 |
| PHL 5110 | Naturopathic History and Philosophy I | | | | 12 | 12 | 1.00 |
| PHL 5113 | Intro to Medical Systems | | | | 24 | 24 | 2.00 |
| | Electives* | | | | 12 | 12 | 1.00 |
| | First-Year Fall Totals | 0 | 48 | 48 | 240 | 336 | 26.00 |

| COURSE # | FIRST-YEAR WINTER | CLINIC | TUTORIAL | LAB | LECTURE | TOTAL HOURS | CREDITS |
|-----------|--|-----------|-----------|-----------|------------|-------------|--------------|
| BAS 5120 | Structure and Function II | | | | 96 | 96 | 8.00 |
| BAS 5120T | Structure and Function II Tutorial | | 36 | | | 36 | 3.00 |
| BAS 5120L | Structure and Function II Lab | | | 6 | | 6 | 0.25 |
| BAS 5121 | Clinical Anatomy II | | | | 36 | 36 | 3.00 |
| BAS 5121T | Clinical Anatomy II Tutorial | | 12 | | | 12 | 1.00 |
| BAS 5121L | Clinical Anatomy II Lab | | | 36 | | 36 | 1.50 |
| PHL 5120 | Naturopathic History and Philosophy II | | | | 12 | 12 | 1.00 |
| THR 5120 | Intro to Therapeutic Modalities I | | | | 72 | 72 | 6.00 |
| THR 5120T | Intro to Therapeutic Modalities I Tutorial | | 24 | | | 24 | 2.00 |
| THR 5120L | Intro to Therapeutic Modalities I Lab | | | 24 | | 24 | 1.00 |
| CLE 5120 | Clinical Observation I | 20 | | | 5 | 25 | 1.25 |
| | Electives* | | | | 12 | 12 | 1.00 |
| | First-Year Winter Totals | 20 | 72 | 66 | 233 | 391 | 29.00 |

| COURSE # | FIRST-YEAR SPRING | CLINIC | TUTORIAL | LAB | LECTURE | TOTAL HOURS | CREDITS |
|-----------|---|-----------|-----------|-----------|------------|-------------|--------------|
| BAS 5130 | Structure and Function III | | | | 96 | 96 | 8.00 |
| BAS 5130T | Structure and Function III Tutorial | | 36 | | | 36 | 3.00 |
| BAS 5130L | Structure and Function III Lab | | | 6 | | 6 | 0.25 |
| PHL 5130 | Naturopathic Medicine Retreat | | | 18 | | 18 | 0.75 |
| THR 5131 | Intro to Therapeutic Modalities II | | | | 72 | 72 | 6.00 |
| THR 5131T | Intro to Therapeutic Modalities II Tutorial | | 24 | | | 24 | 2.00 |
| THR 5131L | Intro to Therapeutic Modalities II Lab | | | 12 | | 12 | 0.50 |
| BAS 5131 | Microbiology, Public Health and Immunology | | | | 36 | 36 | 3.00 |
| BAS 5131T | Microbiology, Public Health and Immunology Tutorial | | 24 | | | 24 | 2.00 |
| CLE 5130 | Clinical Observation II | 20 | | | 2 | 22 | 1.00 |
| CLE 5131 | Intro to Community Education | | | | 3 | 3 | 0.25 |
| | Electives* | | | | 12 | 12 | 1.00 |
| | First-Year Spring Totals | 20 | 84 | 36 | 221 | 361 | 27.75 |

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|--------------------------|-----------|------------|------------|------------|-------------|--------------|
| FIRST-YEAR TOTALS | 40 | 204 | 150 | 694 | 1088 | 82.75 |
|--------------------------|-----------|------------|------------|------------|-------------|--------------|

second year

| COURSE # | SECOND-YEAR FALL | CLINIC | TUTORIAL | LAB | LECTURE | TOTAL HOURS | CREDITS |
|---------------------------|--|-----------|------------|------------|------------|-------------|--------------|
| CLS 6210 | Musculoskeletal, Orthopedics, Exercise Physiology and Rehab | | | | 108 | 108 | 9.00 |
| CLS 6210T | Musculoskeletal, Orthopedics, Exercise Physiology and Rehab Tutorial | | 72 | | | 72 | 6.00 |
| CLS 6210L | Musculoskeletal, Orthopedics, Exercise Physiology and Rehab Lab | | | 72 | | 72 | 3.00 |
| CLS 6211 | Neurology | | | | 66 | 66 | 5.50 |
| CLS 6211T | Neurology Tutorial | | 18 | | | 18 | 1.50 |
| CLS 6211L | Neurology Lab | | | 6 | | 6 | 0.25 |
| CLE 6212 | Introduction to Clinic | | | | 3 | 3 | 0.25 |
| | Second-Year Fall Totals | 0 | 90 | 78 | 177 | 345 | 25.50 |
| COURSE # | SECOND-YEAR WINTER | CLINIC | TUTORIAL | LAB | LECTURE | TOTAL HOURS | CREDITS |
| CLS 6220 | Cardiology and Pulmonology | | | | 108 | 108 | 9.00 |
| CLS 6220T | Cardiology and Pulmonology Tutorial | | 48 | | | 48 | 4.00 |
| CLS 6220L | Cardiology and Pulmonology Lab | | | 12 | | 12 | 0.50 |
| CLS 6221 | Hematology and Oncology | | | | 84 | 84 | 7.00 |
| CLS 6221T | Hematology and Oncology Tutorial | | 18 | | | 18 | 1.50 |
| CLS 6221L | Hematology and Oncology Lab | | | 6 | | 6 | 0.25 |
| CLE 6222 | Hydrotherapy Rotation | 48 | | | | 48 | 2.00 |
| | Second-Year Winter Totals | 48 | 66 | 18 | 192 | 324 | 24.25 |
| COURSE # | SECOND-YEAR SPRING | CLINIC | TUTORIAL | LAB | LECTURE | TOTAL HOURS | CREDITS |
| CLS 6230 | Gastroenterology and Proctology | | | | 102 | 102 | 8.50 |
| CLS 6230T | Gastroenterology and Proctology Tutorial | | 24 | | | 24 | 2.00 |
| CLS 6230L | Gastroenterology and Proctology Lab | | | 6 | | 6 | 0.25 |
| CLS 6231 | Urology and Nephrology | | | | 66 | 66 | 5.50 |
| CLS 6231T | Urology and Nephrology Tutorial | | 36 | | | 36 | 3.00 |
| CLS 6232 | Metabolism and Endocrinology | | | | 84 | 84 | 7.00 |
| CLS 6232T | Metabolism and Endocrinology Tutorial | | 36 | | | 36 | 3.00 |
| | Second-Year Spring Totals | 0 | 96 | 6 | 252 | 354 | 29.25 |
| SECOND-YEAR TOTALS | | 48 | 252 | 102 | 621 | 1023 | 79.00 |

third year

| COURSE # | THIRD-YEAR FALL | CLINIC | TUTORIAL | LAB | LECTURE | TOTAL HOURS | CREDITS |
|-----------|---|-----------|-----------|-----------|------------|-------------|--------------|
| CLS 7310 | Reproductive Systems (Andrology, Gynecology and Natural Childbirth) | | | | 132 | 132 | 11.00 |
| CLS 7310T | Reproductive Systems Tutorial | | | 12 | | 12 | 0.50 |
| CLS 7310L | Reproductive Systems Lab | | 36 | | | 36 | 3.00 |
| CLS 7311 | Rheumatology and Clinical Immunology | | | | 48 | 48 | 4.00 |
| CLS 7311T | Rheumatology and Clinical Immunology Tutorial | | 24 | | | 24 | 2.00 |
| CLE 7300 | Secondary Rotation | 60 | | | | 60 | 2.50 |
| CLE 7311 | Community Education | | 24 | | | 24 | 2.00 |
| | Third-Year Fall Totals | 60 | 84 | 12 | 180 | 336 | 25.00 |

| COURSE # | THIRD-YEAR WINTER | CLINIC | TUTORIAL | LAB | LECTURE | TOTAL HOURS | CREDITS |
|-----------|--|-----------|-----------|-----------|------------|-------------|--------------|
| CLS 7320 | Eyes, Ears, Nose and Throat (EENT) | | | | 60 | 60 | 5.00 |
| CLS 7320T | EENT Tutorial | | 24 | | | 24 | 2.00 |
| CLS 7320L | EENT Lab | | | 6 | | 6 | 0.25 |
| CLS 7321 | Dermatology and Minor Surgery | | | | 90 | 90 | 7.50 |
| CLS 7321T | Dermatology and Minor Surgery Tutorial | | 24 | | | 24 | 2.00 |
| CLS 7321L | Dermatology and Minor Surgery Lab | | | 24 | | 24 | 1.00 |
| BUS 7320 | Business Seminar I | | | | 12 | 12 | 1.00 |
| CLE 7300 | Secondary Rotation | 60 | | | | 60 | 2.50 |
| | Third-Year Winter Totals | 60 | 48 | 30 | 162 | 300 | 21.25 |

| COURSE # | THIRD-YEAR SPRING | CLINIC | TUTORIAL | LAB | LECTURE | TOTAL HOURS | CREDITS |
|-----------|--|-----------|-----------|-----------|------------|-------------|--------------|
| CLS 7332 | Psychology and Mental Health | | | | 48 | 48 | 4.00 |
| CLS 7332T | Psychology and Mental Health Tutorial | | 36 | | | 36 | 3.00 |
| CLS 7330 | Pediatrics and Geriatrics | | | | 72 | 72 | 6.00 |
| CLS 7330T | Pediatrics and Geriatrics Tutorial | | 24 | | | 24 | 2.00 |
| CLS 7331 | Parenteral Therapy and Environmental Medicine | | | | 42 | 42 | 3.50 |
| CLS 7331T | Parenteral Therapy and Environmental Medicine Tutorial | | 24 | | | 24 | 2.00 |
| CLS 7331L | Parenteral Therapy and Environmental Medicine Lab | | | 12 | | 12 | 0.50 |
| BUS 7330 | Business Seminar II | | | | 12 | 12 | 1.00 |
| CLE 7300 | Secondary Rotation | 60 | | | | 60 | 2.50 |
| | Third-Year Spring Totals | 60 | 84 | 12 | 174 | 330 | 24.50 |

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| | THIRD-YEAR TOTALS | 180 | 216 | 54 | 516 | 966 | 70.75 |
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fourth year

| COURSE # | FOURTH-YEAR SUMMER | CLINIC | TUTORIAL | LAB | LECTURE | TOTAL HOURS | CREDITS |
|----------------------------------|-----------------------------|---------------|-----------------|------------|----------------|--------------------|----------------|
| CLE 8400 | Primary Rotations (3) | 180 | | | | 180 | 7.50 |
| BUS 8400 | Jurisprudence | | | | 12 | 12 | 1.00 |
| CLE 8400T | Case Integration Mentorship | | 18 | | | 18 | 1.50 |
| CLE 8401 | Preceptorship*** | 120 | | | | 120 | 5.00 |
| | Electives* | | | | 36 | 36 | 3.00 |
| Fourth-Year Summer Totals | | 300 | 18 | 0 | 48 | 366 | 18.00 |

| COURSE # | FOURTH-YEAR FALL | CLINIC | TUTORIAL | LAB | LECTURE | TOTAL HOURS | CREDITS |
|--------------------------------|-----------------------------|---------------|-----------------|------------|----------------|--------------------|----------------|
| CLE 8400 | Primary Rotations (3) | 180 | | | | 180 | 7.50 |
| CLE 8411 | Grand Rounds | | | | 18 | 18 | 1.50 |
| CLE 8410T | Case Integration Mentorship | | 18 | | | 18 | 1.50 |
| BUS 8410 | Business Seminar III | | | | 12 | 12 | 1.00 |
| | Electives* | | | | 36 | 36 | 3.00 |
| Fourth-Year Fall Totals | | 180 | 18 | 0 | 66 | 312 | 14.50 |

| COURSE # | FOURTH-YEAR WINTER | CLINIC | TUTORIAL | LAB | LECTURE | TOTAL HOURS | CREDITS |
|----------------------------------|-----------------------------|---------------|-----------------|------------|----------------|--------------------|----------------|
| CLE 8400 | Primary Rotations (3) | 180 | | | | 180 | 7.50 |
| CLE 8421 | Grand Rounds | | | | 18 | 18 | 1.50 |
| CLE 8420T | Case Integration Mentorship | | 18 | | | 18 | 1.50 |
| BUS 8420 | Business Seminar IV | | | | 12 | 12 | 1.00 |
| | Electives* | | | | 48 | 48 | 4.00 |
| Fourth-Year Winter Totals | | 180 | 18 | 0 | 78 | 276 | 15.50 |

| COURSE # | FOURTH-YEAR SPRING | CLINIC | TUTORIAL | LAB | LECTURE | TOTAL HOURS | CREDITS |
|----------------------------------|-----------------------------|---------------|-----------------|------------|----------------|--------------------|----------------|
| CLE 8400 | Primary Rotations (4)** | 240 | | | | 240 | 10.00 |
| CLE 8431 | Grand Rounds | | | | 18 | 18 | 1.50 |
| CLE 8430T | Case Integration Mentorship | | 18 | | | 18 | 1.50 |
| BUS 8430 | Business Seminar V | | 18 | | | 18 | 1.50 |
| CLE 8432 | Preceptorship*** | 96 | | | | 96 | 4.00 |
| | Electives* | | | | 36 | 36 | 3.00 |
| Fourth-Year Spring Totals | | 336 | 36 | 0 | 54 | 426 | 21.50 |

FOURTH-YEAR TOTALS **996** **9** **0** **246** **1380** **69.50**

*May be taken in any year or quarter; 16 elective credits required

**One rotation to be taken in priority term

***These hours are cumulative and may be earned in a term other than term registered

| | CLINIC | TUTORIAL | LAB | LECTURE | TOTAL HOURS | CREDITS |
|-----------------------|---------------|-----------------|------------|----------------|--------------------|----------------|
| PROGRAM TOTALS | 1264 | 762 | 306 | 2077 | 4409 | 302.00 |

ND ELECTIVES 16 Credits Required

electives

At least half (8) of the 16 required elective credits for the ND degree must be taken from courses designated as counting toward the program (listed below). The remainder may come from elective courses offered in other graduate programs at NUNM, as long as the prerequisites are met and the course has been approved by the program dean as counting toward the specific program. Approval from the program dean is required in order for a core course from one program to count as elective credit to the ND Program. *NOTE: only on-campus (not online) classes will count toward ND elective credits. Elective courses (including those required for certificate programs) may not be offered every year. All elective courses are scheduled based on faculty availability and adequate student enrollment.*

| COURSE# | COURSE | TERM | LAB | LECTURE | TOTAL HOURS | CREDITS |
|-----------|---|----------------------|-----|---------|-------------|---------|
| BOT 5101E | Northwest Herbs I | Fall | | 24 | 24 | 2 |
| BOT 5103E | Northwest Herbs II | Spring | | 24 | 24 | 2 |
| BOT 620E | Advanced Topics Botanical Medicine I | Fall | | 36 | 36 | 3 |
| BOT 630E | Advanced Topics Botanical Medicine II | Spring | | 36 | 36 | 3 |
| BOT 700E | Shaw Island Herbal Intensive | Summer | | 24 | 24 | 2 |
| BOT 701E | Cascade Mountain Herbal Intensive | Summer | | 24 | 24 | 2 |
| BOT 704E | Ayurveda Herbs | Winter | | 24 | 24 | 2 |
| BOT 705E | Herbal Garden Processing | Summer | | 6 | 6 | 0.5 |
| BOT 706E | CASEE Center Herb Walk | Summer, Spring | | 6 | 6 | 0.5 |
| BOT 710E | Effective Formulas for Top General Practice Conditions | Fall | | 12 | 12 | 1 |
| BOT 730E | Botanical Cell Biology, Molecular Mechanisms and Research | Spring | | 12 | 12 | 1 |
| BOT 741E | Ethnobotany Intensive | Summer | | 60 | 60 | 5 |
| CLS 536E | Pharmacology for Clinical Practice | Fall | | 12 | 12 | 2 |
| CLS 635E | Transgender Health and Gender Transition | Spring | | 24 | 24 | 2 |
| CLS 643E | The Liver in Health and Disease | Spring | | 24 | 24 | 2 |
| CLS 656E | Simulation Lab | Fall, Winter, Spring | | 6 | 6 | 0.5 |
| CLS 657E | Sleep Health and Disorders | Spring | | 24 | 24 | 2 |
| CLS 658E | Pain: Pathophysiology and Management Options | Spring | | 24 | 24 | 2 |
| HOM 630E | Homeopathy V | Spring | | 36 | 36 | 3 |
| HOM 710E | Homeopathy VI | Fall | | 36 | 36 | 3 |
| HOM 720E | Homeopathy VII | Winter | | 36 | 36 | 3 |
| HOM 730E | Homeopathy VIII | Spring | | 36 | 36 | 3 |
| HOM 740E | Sensation in Homeopathy | Winter | | 24 | 24 | 2 |
| NCB 620E | Natural Childbirth II: Pregnancy | Winter | | 36 | 36 | 3 |
| NCB 630E | Natural Childbirth III: Labor and Delivery | Spring | | 36 | 36 | 3 |
| NCB 710E | Natural Childbirth IV: Postpartum Mgmt. | Fall | | 36 | 36 | 3 |
| NCB 720E | Natural Childbirth V: Neonatology | Winter | | 36 | 36 | 3 |
| NCB 730E | Natural Childbirth VI: Special Topics | Spring | | 24 | 24 | 2 |
| NCB 740E | Natural Childbirth VII: Legal Aspects | Spring | | 12 | 12 | 1 |
| NOS 614E | Advanced Gynecology – Special Topics | Winter | | 24 | 24 | 2 |
| NOS 616E | Advanced Gynecology – Infertility/Endocrinology | Spring | | 30 | 30 | 2 |
| NOS 631E | EKG/PFT Testing | Spring | 12 | | 12 | 0.5 |
| NOS 699E | Advanced Pediatrics | Spring | | 24 | 24 | 2 |
| NOS 733E | Advanced Gastroenterology | Spring | | 24 | 24 | 2 |
| NOS 734E | Diabetes Management | Fall | | 24 | 24 | 2 |
| NOS 735E | Gastroenterology Lab | Winter, Spring | 24 | | 24 | 1 |
| NOS 737E | Rheumatology | Spring | | 24 | 24 | 2 |
| THR 5100E | Bodywork I Massage Foundations | Fall | 24 | | 24 | 1 |
| THR 5101E | Bodywork II Advanced Massage | Winter | 24 | | 24 | 1 |
| THR 5102E | Bodywork III Energy Work | Spring | 24 | | 24 | 1 |

electives

| COURSE # | COURSE | TERM | LAB | LECTURE | TOTAL HOURS | CREDITS |
|-----------|-------------------------------------|----------------------|-----|---------|-------------|---------|
| THR 5104E | Somatic Re-Education I | Fall | 24 | | 24 | 1 |
| THR 5105E | Somatic Re-Education II | Winter | 24 | | 24 | 1 |
| THR 5106E | Somatic Re-Education III | Spring | 24 | | 24 | 1 |
| THR 5129E | Mindful Self-Compassion | Winter | 12 | 12 | 24 | 1.5 |
| PHL 5210E | Personal Development as a Physician | Fall | 12 | 12 | 24 | 1.5 |
| PHM 510E | Colonics | Spring | | 12 | 12 | 1 |
| PHM 600E | Auriculomedicine | Summer, Spring | | 24 | 24 | 2 |
| PHM 699E | Nature Cure | Summer, Fall, Spring | | 24 | 24 | 2 |
| PHM 740E | Advanced Minor Surgery | Fall | | 36 | 36 | 3 |
| PSY 690E | Behavioral Medicine | Spring | | 24 | 24 | 2 |

Research & Graduate Study courses that count as ND electives

| COURSE # | COURSE | LECTURE | TOTAL HOURS | CREDITS |
|-----------|--|---------|-------------|---------|
| GSA 545E | Philosophy of Ayurveda | 24 | 24 | 2 |
| GSGH 703E | Maternal and Child Health | 24 | 24 | 2 |
| GSGH 821E | Tanzania Global Health Experience | 24 | 24 | 2 |
| GSGH 831 | International Travel Skills | 24 | 24 | 2 |
| GSGH 833E | Nicaragua Global Health Experience | 60 | 60 | 5 |
| GSGH 841E | Intro to International Public Health | 24 | 24 | 2 |
| GSGH 842E | Intro to Tropical Disease | 24 | 24 | 2 |
| GSN 505 | Healing Foods | 24 | 24 | 2 |
| GSN 551E | Therapeutic Diets | 24 | 24 | 2 |
| GSN 564E | Nutritional Genetics | 24 | 24 | 2 |
| RES 501 | Journal Club | 12 | 12 | 1 |
| RES 530 | Research Methodology | 36 | 36 | 3 |
| RES 538 | Teaching Strategies and Course Development | 24 | 24 | 2 |
| RES 611E | Grant Writing | 24 | 24 | 2 |
| RES 615E | How to Write and Publish Case Studies | 24 | 24 | 2 |
| RES 623E | Mind as Medicine: Mind-Body Therapies | 24 | 24 | 2 |
| RES 802E | Health Disparities Research | 24 | 24 | 2 |
| RES 806E | Essentials of Integrative Oncology | 24 | 24 | 2 |
| RES 809E | Women's Health: Fertility and Beyond | 24 | 24 | 2 |
| RES 832E | Vaccinations | 24 | 24 | 2 |
| RES 833E | Gut Immunology | 24 | 24 | 2 |

Chinese Medicine courses that count as ND electives

| COURSE # | COURSE | TERM | LAB | LECTURE | TOTAL HOURS | CREDITS |
|----------|----------------------------------|--------|-----|---------|-------------|---------|
| CM 511 | Foundations of CCM I | Fall | | 24 | 24 | 2 |
| CM 521 | Foundations of CCM II | Winter | | 24 | 24 | 2 |
| CM 531 | Foundations of CCM III | Spring | | 24 | 24 | 2 |
| CM 526 | Herbs II | Winter | | 36 | 36 | 3 |
| CM 536 | Herbs III | Spring | | 36 | 36 | 3 |
| CM 562 | Chinese Diagnostic Techniques I | Winter | 12 | 12 | 24 | 1.5 |
| CM 572 | Chinese Diagnostic Techniques II | Spring | 12 | 12 | 24 | 1.5 |
| CM 616 | Herbs IV | Fall | | 24 | 24 | 2 |
| CM 626 | Herbs V | Winter | | 24 | 24 | 2 |
| CM 636 | Herbs VI | Spring | | 24 | 24 | 2 |
| CM 817 | Physiology of Acupuncture | Fall | | 12 | 12 | 1 |
| CM 5100E | Qigong I Retreat for ND | Fall | | 12 | 12 | 1 |
| CM 5101E | Qigong II Retreat for ND | Winter | | 12 | 12 | 1 |
| CM 5102E | Qigong III Retreat for ND | Spring | | 12 | 12 | 1 |
| DDC 500 | ND/CCM Integration | Fall | | 12 | 12 | 1 |
| DDC 501 | Integrative Phototherapy | Winter | | 12 | 12 | 1 |