Electives, departmental and nondepartmental, sufficient to bring total credits to at least 128, including 54 upper-division.

Students Preparing for Medical or Dental School:
MATH 120, Intermediate Algebra 3
MATH 180, Trigonometry 3
MATH 121, College Algebra 3
MATH 191, Calculus & Analytical Geometry I 3

Students Preparing for Most Other Prehealth Schools:
MATH 120, Intermediate Algebra 3
MATH 142G, Calculus for Biological and Management Sciences 3

To Meet Academic Requirements for Registered Dietitian

The course work delineated above for prehealth with an emphasis in nutrition coupled with the course work outlined below provides the academic requirements for you to obtain registration as a dietitian. A verification statement is issued upon completion of the didactic program. To get a verification statement (1) you must attain a C or higher (on campus or transfer) in the following classes: All courses with CHEM, BCHE, and BIOL/SP M prefixes and all classes with HNFS prefix; (2) you will need to take a challenge exam related to each course if you desire to transfer in courses comparable to HNFS 448 and HNFS 449; you must attain a C or higher on each exam before transfer credits will be allowed; (3) you must take at least 30 credits at New Mexico State University with 20 as upper-division (300 level or above) credits and 10 credits in HNFS (300 level or above).

Following graduation, a supervised practice experience in a hospital or institution approved by the American Dietetic Association is required. Note: This experience CANNOT be met by attending professional health school. Upon successful completion of the experience, you are eligible to take the registration exam required by the American Dietetic Association to be a Registered Dietitian. The academic requirements delineated above and below meet ADA requirements of an ADA-approved Didactic Program in Dietetics. You must work closely with advisers to assure proper scheduling of necessary courses.

Departmental Requirements
FCS 181, Interpersonal Skills in Intimate Relationships 3
FCSE 348, Teaching in Informal Settings 3
HNFS 263, Food Science I 3
HNFS 363, Quantity Food Production & Service 4
HNFS 325, Food Analysis; HNFS 331, Food Preservation; HNFS 421, Food Chemistry; or HNFS 426, Dairy Products Manufacturing 3
HNFS 430, Food Service Organization & Management 3
HNFS 447, Experimental Foods 3

Nondepartmental Requirements
ACCT 251, Management Accounting; or ACCT 252, Financial Accounting 3
MGT 332, Human Resources Management, or MGT 309, Human Behavior in Organizations, or HRTM 303, Hospitality Human Resource Management 3

MINOR: Clothing, Textiles, and Fashion Merchandising

A minor in Clothing, Textiles, and Fashion Merchandising is available. The minor requires a minimum of 18 hours of which a minimum of 9 hours must be at the 300 or higher level. Specific coursework requirements may apply. See an advisor for course requirements and scheduling.

MINOR: Family and Child Science

A minor in Family and Child Science is available. The minor requires a minimum of 18 hours of which a minimum of 9 hours must be at the 300 or higher level. Specific coursework requirements may apply. See an advisor for course requirements and scheduling.

MINOR: Family and Consumer Sciences Education

A minor in Family and Consumer Sciences Education is available. The minor requires a minimum of 18 hours of which a minimum of 9 hours must be at the 300 or higher level. Specific coursework requirements may apply. See an advisor for course requirements and scheduling.

MINOR: Food Science

A minor in Food Science is available. The minor requires a minimum of 18 hours of which a minimum of 9 hours must be at the 300 or higher level. Specific coursework requirements may apply. See an advisor for course requirements and scheduling.

MINOR: Nutrition

A minor in Nutrition is available. The minor requires a minimum of 18 hours of which a minimum of 9 hours must be at the 300 or higher level. Specific coursework requirements may apply. See an advisor for course requirements and scheduling.

FISHERY and WILDLIFE SCIENCES

Professor Raul Valdez, interim department head
Professors Valdez; ***Associate Professor*** Andersen; Caldwell, Desmond; ***Assistant Professors*** Bender, Boeing, Cowley, Roemer
(505) 646-7051; natres@nmsu.edu

DEGREE: Bachelor of Science in Agriculture
MAJOR: Wildlife Science
OPTION: Wildlife Management Practice
OPTION: Preparation for Graduate Studies
OPTION: Natural Resource Management

DEGREE: Bachelor of Science in Conservation Ecology
MAJOR: Conservation Ecology

MINORS: Conservation Ecology
Wildlife Science

DEGREE: Bachelor of Science in Conservation Ecology

New Mexico State University offers a new interdisciplinary, undergraduate program in Conservation Ecology. Program details and degree requirements are listed under the"Cross-College Degrees" chapter of this catalog.

DEGREE: Bachelor of Science in Agriculture

The department prepares you for careers in a variety of natural resource fields related to management of wild animal populations and the natural systems they share.

Within the wildlife science major you are offered three options. The first is Wildlife Management Practice. Course work in this option provides training in the basic sciences but concentrates on applied skills in wildlife and fisheries management. If you complete this option, you will be ready for entry-level positions with government agencies and private enterprises specializing in natural resource management. The option in Natural Resource Management is broad in scope while providing a strong background in the fundamental sciences. It includes sound training in the theory and practice of traditional management as well as a solid grounding in supporting disciplines like economics, geography, and geology. It is intended for students with broader interests than traditional wildlife science. The third option, Preparation for Graduate Studies in Wildlife Science, offers a broad foundation in basic sciences. It is intended for students wishing to pursue advanced degrees in wildlife science or related disciplines in the natural sciences. This option prepares you for careers in higher education, research, and administration.

If you wish to become a certified fishery biologist, you should include the following courses in your curriculum: WLSC 458, WLSC 465, WLSC 482, and WLSC 432. Requirements for becoming a certified wildlife biologist are met by all options.

To graduate with a major in Wildlife Science, an overall grade point average of 2.00 is required in courses taken in the major field and in all courses taken at NMSU.

The department offers a minor in Wildlife Science for students majoring in other disciplines. The minor includes a minimum of 19 credits, with 13 credits in required courses and 6 in wildlife electives.

Core Requirements (total credits: 89-97)
BIOL 111G and 111L, Natural History of Life and Laboratory 4
BIOL 301, Principles of Ecology 3
BIOL 305, Principles of Genetics 3

BIOL 312, Identification and Classification of Western Plants, ...3
or RGSC 307, Rangeland Grasses, and RGSC 316, Rangeland Plants....5
BIOL 313, Structure and Function of Plants....3
BIOL 322, Zoology....3
CHEM 111, General Chemistry I....4
CHEM 112, General Chemistry II....4
COMM 265G, Principles of Human Communication; or COMM 253G, Public Speaking; or AXED 201G, Effective Leadership and Communication in Agricultural Organizations....3
C S: Any level computer science course 100 or above including, C S 110G, Computer Literacy, or AG E 250G, Life with Microcomputers....3
ECON 251G, Principles of Macroeconomics, or ECON 252G, Principles of Microeconomics....3
ENGL 111G, Rhetoric and Composition....4
ENGL 311G, Advanced Composition....3
ENGL 318G, Advanced Technical and Professional Communication....3
E ST 311G, Statistical Applications....3
MATH 120, Intermediate Algebra, and 142G, Calculus for Biological and Management Sciences; or MATH 191, Calculus and Analytical Geometry I, and MATH 192, Calculus and Analytical Geometry II....6
PHYS: Any physiology course from among the following: ANSC 370, BIOL 311, BIOL 314, BIOL 377, BIOL 381, BIOL 442, BIOL 474, WLSC 432
WLSC 110, Introduction to Natural Resources Management....3
WLSC 230, Natural History of the Vertebrates....4
WLSC 255, Principles of Natural Resource Management....3
WLSC 355, Techniques of Natural Resource Management,....3
or WLSC 356, Field Techniques of Natural Resource Management, ...2
or RGSC 452, Rangeland Analysis....4
WLSC 402, Seminar in Natural Resource Management....2
WLSC 409, Population Ecology....3
WLSC 447, Wildlife Law, Policy and Administration....3
WLSC 445, Systems Ecology in Wildlife Management....3
Historical Perspectives: one general education course....3
Human Thought and Behavior: one general education course....3
Literature or Fine Arts: one general education course....3
Viewing a Wider World: ECON 337G, Natural Resource Economics or ECON 384G, Water Resource Economics....3
Viewing a Wider World: The second course requirement satisfied by 9 credits in biology

OPTION: Wildlife Management Practice (total credits: 23-25)

General Option Requirements (8 credits)
PHYS 110G, Great Ideas in Physics 4
SOIL 252 and 252L, Soils and Laboratory, or GEOL 111, Geology 4
Required Departmental Electives (any combination totaling 9 credits)
WLSC 310, Managing Ecological Systems for Biodiversity 3
WLSC 360, Introduction to Wildlife Behavior 3
*WLSC 432, Environmental Biology of Fishes 4
WLSC 434, Aquatic Contaminants and Toxicology 4
WLSC 437, Wildlife Damage Control 3
WLSC 440, Fish and Wildlife Habitat Management 3
WLSC 448, Problems 1-3
WLSC 450, Special Topics....1-4
*WLSC 458 and 458L, Ecology of Inland Waters and Lab 4
*WLSC 465 Advanced Management of Aquatic Systems 3
WLSC 466, Advanced Management of Wildlife–Mammals 3
WLSC 488, Communicating Wildlife Resource Conservation in Society 3

Requirements in Biodiversity (any two courses totaling 6-8 credits)
BIOL 445, Herpetology 4
BIOL 465, Invertebrate Zoology 4
WLSC 430, Avian Field Ecology, or BIOL 447, Ornithology....4
WLSC 431, Forest and Range Mammals 3
*WLSC 482, Ichthyology 3

Additional Courses
Electives to bring total to 128 credits and college credits to 35 credits....6-16
*Courses required to become a Certified Fisheries Associate or Professional.

OPTION: Natural Resource Management (total credits: 33-35)

General Requirements (27 credits)
BIOL 211G and 211L, Cellular and Organismal Biology and Lab.... 4
ECON 384, Water Resources Economics 3
GEOG 381, Cartography and Geographic Information Systems 3
PHYS 110G, Great Ideas in Physics 4
RGSC 318, Watershed Management 3
SOIL 252 and 252L, Soils and Laboratory, or GEOL 111, Geology 4
WLSC 310, Managing Ecological Systems for Biodiversity, or BIOL 462, Conservation Biology 3

Requirement in Aquatic Systems (one course of at least 3 credits)
WLSC 432, Environmental Biology of Fishes....4
WLSC 434, Aquatic Contaminants and Toxicology 3
WLSC 458 and 458L, Ecology of Inland Waters and Lab 4
WLSC 465, Advanced Management of Aquatic Systems....3

Requirement in Terrestrial Systems (one course of 3 credits)
BIOL 470, Plant Community Ecology 3
BIOL 468, Avian Ecology 3
RGSC 317, Rangeland Communities 3
RGSC 325, Rangeland Restoration Ecology 3
RGSC 440, Rangeland Resource Ecology 3
WLSC 466, Advanced Wildlife Management of Mammals (prerequisite WLSC 431, Forest and Range Mammals) 3

Requirement in Physical Environments (one course of 3 credits)
GEOL 318, Geology of New Mexico 3
GEOG 351, Fundamentals of Biogeography 3
GEOG 353, Geomorphology (prerequisite GEOL 111G, Survey of Geology) 3
GEOG 481, Fundamentals of Geographic Information Systems....3

Additional Courses
Electives to bring total to 128 credits and college credits to 35 credits....0-6

OPTION: Preparation for Graduate Studies in Wildlife Science (total credits: 26-28)

Option Requirements (20 credits)
BIOL 211G and 211L, Cellular and Organismal Biology and Lab 4
BCHE 341, Survey of Biochemistry, or SOIL 252 and 252L, Soils and Lab 4
CHEM 211, Organic Chemistry 4
PHYS 211 and 211L, General Physics I and Lab 4
PHYS 212 and 212L, General Physics II and Lab 4

Requirements in Biodiversity (any two courses totaling 6 credits)
BIOL 445, Herpetology 4
BIOL 465, Invertebrate Zoology 4
WLSC 430, Avian Field Ecology, or BIOL 447, Ornithology 4
WLSC 431, Forest and Range Mammals 3
WLSC 482 Ichthyology 3

Additional Courses
Electives to bring total to 128 credits and college credits to 35 credits....3-13

MINOR: Wildlife Science (19 credits)
WLSC 230, Natural History of the Vertebrates....4
WLSC 255, Principles of Natural Resource Management 3
WLSC 355, Techniques of Natural Resource Management....3
WLSC 445, Systems Ecology and Management....3
Electives in Fishery and Wildlife Science, 3 credits must be upper division....6

PLANT and ENVIRONMENTAL SCIENCES

Professor Greg L. Mullins, department head
Professor John G. Mexal, assistant department head

Professors Bosland, Daugherty, Guldan, Harrington, Lindemann, Mexal, Monger, Mullins, O'Connell, Sammis, Sengupta-Gopalan; ***Associate Professors*** Cramer,