

Degree Programs

UNDECLARED ADVISING

*Center for Advising and Student Achievement
Offices in Room 121, The Institute for Learning and
Teaching*

(970) 491-7095

www.casa.colostate.edu

“Undeclared” is a special designation for students who have a rich and diverse set of interests that span the University curriculum and want to explore majors. Through the Undeclared advising process students are able to learn about various academic opportunities while keeping their options open as they begin their college experience. Professional academic advisers in the Center for Advising and Student Achievement (CASA) are knowledgeable about the academic requirements to assist students in the process of selecting a major. Advisers help students plan their schedules, provide information on career options, and refer students to other resources. Students are encouraged to declare a major by the time they earn 45 credits.

UNDERGRADUATE DEGREES

Undergraduate Majors

Major Requirements

The student wishing to graduate must complete the requirements for a major and the All-University Core Curriculum (see that section of the catalog). A major is a sequence of courses in a subject-matter area or discipline which, when accompanied by appropriate supporting courses, leads to a degree. A minimum of 27 semester credits constitutes a major. Completion of a major is shown on both the student’s diploma and academic record. Students may elect to complete the requirements for two or more majors. To graduate with more than one major, students must complete all the requirements for each major (some majors accept, as fulfilling their own category 4A-C requirements, the fulfillment of the category 4A-C requirements in another declared major the student completes). Common requirements may count in meeting the

curriculum requirements for each major, but each major must have a minimum of 27 unique credits. [The requirements for multiple degrees are described in the section below.]

At least one full term before the graduation term, students must contact the Records and Registration Section of the Registrar’s Office and the department office(s) responsible for administering the major(s) they have declared or intend to declare. If all the completed majors are of the same degree type (e.g., B.A., B.S., B.M., B.F.A.) and the student has fewer than 150 credits, the student will be awarded a single diploma which displays all majors earned.

Students with fewer than 150 credits who have completed multiple majors that are of different degree types will be given the following choices at the time they file their graduation contract:

1. The degree of the first major with other majors listed on the diploma and academic record.
2. The Bachelor of Arts and Sciences (B.A.S.) if one major is a B.A. and another is a B.S.

Students must complete degree requirements for the first major before they can graduate. Students completing degree requirements for the second major only cannot graduate until the first major’s degree requirements have been met.

Concentration Requirements

Some majors have concentrations (or specialization areas). A concentration is a sequence of at least 12 semester credits of designated courses within a major designed to accommodate specific interests of students. Completion of a concentration is shown on a student’s academic record, but not on the diploma.

Options

Some majors have options which are a sequence of courses within a major or concentration of either guided electives or electives selected from areas of interest as approved by the student’s adviser. Options do not appear on diplomas or a student’s academic record.

Second Baccalaureate Degree Requirements

A second baccalaureate degree can be earned either concurrently (i.e., at the same time a student graduates with the first degree) or sequentially (i.e., when a student who previously graduated from Colorado State University or another accredited institution with a baccalaureate degree returns to school to earn a second degree).

Second Degrees Earned Concurrently

Students with multiple majors, who have successfully completed a minimum of 150 credits, a minimum of 27 unique credits for each major, and the AUCC category 4A-C requirements for each major, may request separate baccalaureate degrees. A maximum of two baccalaureate degrees (e.g., B.A. and B.S., or a B.A.S. and B.F.A.) can be earned concurrently.

Degrees Earned Sequentially

Students enrolling at Colorado State University after previously graduating with one or more baccalaureate degrees may earn an additional degree in a different major if they fulfill the following requirements:

1. A minimum of 30 semester credits in residence in addition to the credits earned at the time the student graduate with his/her previous baccalaureate.
2. All curriculum requirements for the major including All-University Core Curriculum requirements (see that section of this catalog).

The earlier baccalaureate degree(s) may be from Colorado State University or from another institution accredited by an accrediting agency recognized by the U.S. Department of Education, the Council for Higher Education Accrediting, or equivalent will fulfill the All-University Core Curriculum (AUCC) requirements with the exception of those AUCC courses (including category 4 courses) that are required in the major.

List of Majors

The following is an alphabetical list of majors offered by Colorado State University and the department/college in which they are housed. For information on requirements for undergraduate degrees, see Graduation Requirements and Procedures and college and department sections of this catalog. This list is subject to change.

[*Title (Degree)* – Department/College]

Agricultural Business (B.S.) – Agricultural and Resource Economics/Agricultural Sciences
Agricultural Economics (B.S.) – Agricultural and Resource Economics/Agricultural Sciences

Agricultural Education (B.S.) – interdepartmental major/
Agricultural Sciences
Animal Science (B.S.) – Animal Sciences/Agricultural Sciences
Anthropology (B.A.) – Anthropology/Liberal Arts
Apparel and Merchandising (B.S.) – Design and Merchandising/Applied Human Sciences
Applied Computing Technology (B.S.) – Computer Science/Natural Sciences
Art (B.A., B.F.A.) – Art/Liberal Arts
Biochemistry (B.S.) – Biochemistry and Molecular Biology/Natural Sciences
Biological Science (B.S.) – Biology/Natural Sciences
Biomedical Science (B.S.) – Biomedical Sciences/
Veterinary Medicine and Biomedical Sciences
Business Administration (B.S.) – interdepartmental major/Business
Chemical and Biological Engineering (B.S.) – Chemical and Biological Engineering/Engineering
Chemistry (B.S.) – Chemistry/Natural Sciences
Civil Engineering (B.S.) – Civil and Environmental Engineering/Engineering
Communication Studies (B.A.) – Communication Studies/
Liberal Arts
Computer Engineering (B.S.) – Electrical and Computer Engineering/Engineering
Computer Science (B.S.) – Computer Science/Natural Sciences
Construction Management (B.S.) – Construction Management/Applied Human Sciences
Economics (B.A.) – Economics/Liberal Arts
Electrical Engineering (B.S.) – Electrical and Computer Engineering/Engineering
Engineering Science (B.S.) – interdepartmental major/
Engineering
English (B.A.) – English/Liberal Arts
Environmental Engineering (B.S.) – Civil and Environmental Engineering/Engineering
Environmental Health (B.S.) – Environmental and Radiological Health Sciences/Veterinary Medicine and Biomedical Sciences
Equine Science (B.S.) – Animal Sciences/Agricultural Sciences
Ethnic Studies (B.A.) – Ethnic Studies/Liberal Arts
Family and Consumer Sciences (B.S.) – interdepartmental major/Applied Human Sciences
Fire and Emergency Services Administration (B.S.) – Education/Applied Human Sciences
Fish, Wildlife, and Conservation Biology (B.S.) – Fish, Wildlife, and Conservation Biology/Natural Resources
Forestry (B.S.) – Forest, Rangeland, and Watershed Stewardship/Natural Resources
Geology (B.S.) – Geosciences/Natural Resources
Health and Exercise Science (B.S.) – Health and Exercise Science/Applied Human Sciences
History (B.A.) – History/Liberal Arts

Horticulture (B.S.) – Horticulture and Landscape Architecture/Agricultural Sciences
Human Development and Family Studies (B.S.) – Human Development and Family Studies/Applied Human Sciences
Interior Design (B.S.) – Design and Merchandising/Applied Human Sciences
Journalism and Technical Communication (B.A.) – Journalism and Technical Communication/Liberal Arts
Landscape Architecture (B.S.) – Horticulture and Landscape Architecture/Agricultural Sciences
Landscape Horticulture (B.S.) – Horticulture and Landscape Architecture/Agricultural Sciences
Languages, Literatures, and Cultures (B.A.) – Foreign Languages and Literatures/Liberal Arts
Liberal Arts (B.A.) – interdepartmental major/Liberal Arts
Mathematics (B.S.) – Mathematics/Natural Sciences
Mechanical Engineering (B.S.) – Mechanical Engineering/ Engineering
Microbiology (B.S.) – Microbiology, Immunology and Pathology/Veterinary Medicine and Biomedical Sciences
Music (B.A., B.M.) – Music, Theatre, and Dance/ Liberal Arts
Natural Resource Recreation and Tourism (B.S.) – Human Dimensions of Natural Resources/Natural Resources
Natural Resources Management (B.S.) – Forest, Rangeland, and Watershed Stewardship/Natural Resources
Natural Sciences (B.S.) – interdepartmental major/Natural Sciences
Nutrition and Food Science (B.S.) – Food Science and Human Nutrition/Applied Human Sciences
Performing Arts (B.A.) – Music, Theatre, and Dance/ Liberal Arts
Philosophy (B.A.) – Philosophy/Liberal Arts
Physics (B.S.) – Physics/Natural Sciences
Political Science (B.A.) – Political Science/Liberal Arts
Psychology (B.S.) – Psychology/Natural Sciences
Rangeland Ecology (B.S.) – Forest, Rangeland, and Watershed Stewardship/Natural Resources
Restaurant and Resort Management (B.S.) – Food Science and Human Nutrition/Applied Human Sciences
Social Work (B.S.W.) – Social Work/Applied Human Sciences
Sociology (B.A.) – Sociology/Liberal Arts
Soil and Crop Sciences (B.S.) – Soil and Crop Sciences/ Agricultural Sciences
Watershed Science (B.S.) – Forest, Rangeland, and Watershed Stewardship/Natural Resources
Zoology (B.S.) – Biology/Natural Sciences

Undergraduate Minors

Minor Requirements

Minor programs of study are optional and are offered by certain departments. A minor consists of a minimum of 21 specified credits of course work outside the major. A minimum of 12 of the 21 credits must be course work at the upper-division level (300-400) and a minimum of 12 credits must be from course work within the department offering the minor. Minors are noted on the student's academic record, but not on the diploma.

List of Minors

This list is subject to change.

[Title – Department/College]

Aerospace Studies – All-University
Agricultural and Resource Economics – Agricultural and Resource Economics/Agricultural Sciences
Anthropology – Anthropology/Liberal Arts
Applied Statistics – Statistics/Natural Sciences
Art History – Art/Liberal Arts
Biochemistry – Biochemistry and Molecular Biology/Natural Sciences
Biomedical Sciences – Biomedical Sciences/Veterinary Medicine and Biomedical Sciences
Botany – Biology/Natural Sciences
Business Administration – interdepartmental/Business
Chemistry – Chemistry/Natural Sciences
Chinese – Foreign Languages and Literatures/Liberal Arts
Computer Science – Computer Science/Natural Sciences
Criminology and Criminal Justice – Sociology/Liberal Arts
Economics – Economics/Liberal Arts
English – English/Liberal Arts
Entomology – Bioagricultural Sciences and Pest Management/Agricultural Sciences
Environmental Engineering – Civil and Environmental Engineering/ Engineering
Ethnic Studies – interdepartmental/Liberal Arts
Fishery Biology – Fish, Wildlife, and Conservation Biology/Natural Resources
Forestry – Forest, Rangeland, and Watershed Stewardship/Natural Resources
French – Foreign Languages and Literatures/Liberal Arts
General Philosophy – Philosophy/Liberal Arts
General Sociology – Sociology/Liberal Arts
Geology – Geosciences/Natural Resources
German – Foreign Languages and Literatures/Liberal Arts
History – History/Liberal Arts
Horticulture – Horticulture and Landscape Architecture/ Agricultural Sciences

Degree Programs

Japanese – Foreign Languages and Literatures/Liberal Arts
Landscape Horticulture – Horticulture and Landscape Architecture/Agricultural Sciences
Mathematics – Mathematics/Natural Sciences
Media Studies – interdepartmental/Liberal Arts
Merchandising – Design and Merchandising/Applied Human Sciences
Microbiology – Microbiology, Immunology, and Pathology/Veterinary Medicine and Biomedical Sciences
Military Science – All-University
Music – Music, Theatre, and Dance/Liberal Arts
Nutrition – Food Science and Human Nutrition/Applied Human Sciences
Physics – Physics/Natural Sciences
Plant Health – Bioagricultural Sciences and Pest Management/Agricultural Sciences
Political Science – Political Science/Liberal Arts
Range Ecology – Forest, Rangeland, and Watershed Stewardship/Natural Resources
Religious Studies – Philosophy/Liberal Arts
Soil Resources and Conservation – Soil and Crop Sciences/Agricultural Sciences
Spanish – Foreign Languages and Literatures/Liberal Arts
Spatial Information Management – Forest, Rangeland, and Watershed Stewardship/Natural Resources
Statistics – Statistics/Natural Sciences
Studio Art – Art/Liberal Arts
Theatre-Acting/Directing – Music, Theatre, and Dance/Liberal Arts
Theatre-Design/Technical Theatre – Music, Theatre, and Dance/Liberal Arts
Watershed Science – Forest, Rangeland, and Watershed Stewardship/Natural Resources
Wilderness Management – Human Dimensions of Natural Resources/Natural Resources
Zoology – Biology/Natural Sciences

Interdisciplinary Studies Programs

Interdisciplinary Studies

An interdisciplinary studies program is a specified series of courses focused upon a particular area of concern providing insight from a variety of disciplinary perspectives. Credits earned in these courses can be used in meeting the requirements for a degree.

Completion of requirements for an interdisciplinary studies program is noted on the student's academic record (transcript) but not on the diploma. The minimum number of credits in an undergraduate interdisciplinary studies program is 20. The programs of study for the interdisciplinary studies

programs are in the University-Wide Instructional Programs section of this catalog.

[*Title* (Level) – Coordinating Body(ies)]

Asian Studies (Undergraduate) – Coordinated by Asian Studies Board and the Office of International Programs.
Biomedical Engineering (Undergraduate) – Coordinated by a Faculty Advisory Board and the Department of Mechanical Engineering.
Biotechnology (Undergraduate) – Coordinated by a Faculty Advisory Board and the Associate Dean for Undergraduate Education, College of Veterinary Medicine and Biomedical Sciences.
Conservation Biology (Undergraduate) – Coordinated by a Faculty Advisory Board and the Office of the Dean, College of Natural Resources.
Diversity in Law (Undergraduate) – Coordinated by an Advisory Board and the Associate Dean, College of Liberal Arts.
Environmental Affairs (Undergraduate) – Coordinated by a Faculty Advisory Board and the Department of Sociology.
Extreme Ultraviolet and Optical Science and Technology (Graduate) – Coordinated by a Faculty Advisory Board and the Department of Electrical and Computer Engineering.
Food Science and Safety (Undergraduate and Graduate) – Coordinated by a Faculty Advisory Board.
Gerontology (Undergraduate) – Coordinated by the Dean's Office, College of Applied Human Sciences.
Information Science and Technology (Undergraduate) – Coordinated by the Center for Information Science and Technology.
Integrated Resource Management (Undergraduate) – Coordinated by the Western Center for Integrated Resource Management.
International Development (Undergraduate and Graduate) – Coordinated by the International Development Board and the Office of International Programs.
Italian Studies (Undergraduate) – (eff FA09, UCC-1/23/09; FC- 3/3/09)
Latin American and Caribbean Studies (Undergraduate) – Coordinated by a Faculty Advisory Board and the Office of International Programs.
Mathematics (Graduate) – Coordinated by the Department of Mathematics.
Merchandising (Graduate) – Coordinated by the Department of Design and Merchandising. The program is offered in online format by the Great Plains Interactive Distance Education Alliance.
Molecular Biology (Undergraduate) – Coordinated by a Faculty Advisory Board and the Department of Biochemistry and Molecular Biology.
Molecular, Cellular and Integrative Neurosciences (Graduate) – Coordinated by the Graduate Faculty of the Molecular, Cellular, and Integrated Neurosciences

Program and the Offices of the Deans, Colleges of Natural Sciences and Veterinary Medicine and Biomedical Sciences.

Organic Agriculture (Undergraduate) – Coordinated by a Faculty Advisory Board and the cooperation of the Departments of Agricultural and Resource Economics, Bioagricultural Sciences and Pest Management, Horticulture and Landscape Architecture, and Soil and Crop Sciences.

Peace and Reconciliation Studies (Undergraduate and Graduate) – Coordinated by a Faculty Advisory Board and administered through the Office of International Programs.

Political Economy (Graduate) – Coordinated by a Faculty Advisory Board.

Religious Studies (Undergraduate) – Coordinated by a Faculty Advisory Board and the Associate Dean, College of Liberal Arts.

Russian, Eastern, and Central European Studies (Undergraduate) – Coordinated by a Faculty Advisory Board and the Office of International Programs.

Systems Engineering (Graduate) – Coordinated by a Faculty Advisory Board and the College of Engineering

Water Resources (Undergraduate) – Coordinated by the Colorado Water Resources Research Institute.

Women's (Undergraduate and Graduate) – Coordinated by a Faculty Advisory Board and the Director of the Office of Women's Programs and Studies.

Biochemistry (M.S., Ph.D.) – Biochemistry and Molecular Biology/Natural Sciences

Bioengineering (M.S., Ph.D.) – intra-University

Biomedical Sciences (M.S., Ph.D.) – Biomedical Sciences/ Veterinary Medicine and Biomedical Sciences

Botany (M.S., Ph.D.) – Biology/Natural Sciences

Business Administration (M.S.) – college-wide, Business

Cell and Molecular Biology (M.S., Ph.D.) – intra-University

Chemical Engineering (M.S., Ph.D.) – Chemical and Biological Engineering/Engineering

Chemistry (M.S., Ph.D.) – Chemistry/Natural Sciences

Civil Engineering (M.S., Ph.D.) – Civil and Environmental Engineering/Engineering

Clinical Sciences (M.S., Ph.D.) – Clinical Sciences/ Veterinary Medicine and Biomedical Sciences

Communication Studies (M.A.) – Communication Studies/ Liberal Arts

Computer Science (M.S., Ph.D.) – Computer Science/ Natural Sciences

Construction Management (M.S.) – Construction Management/Applied Human Sciences

Design and Merchandising (M.S.) – Design and Merchandising/Applied Human Sciences

Earth Sciences (Ph.D.) – joint between Geosciences and Forest, Rangeland, and Watershed Stewardship/Natural Resources

Ecology (M.S., Ph.D.) – intra-University

Economics (M.A., Ph.D.) – Economics/Liberal Arts

Education and Human Resource Studies (Ph.D.) – School of Education/Applied Human Sciences

Electrical Engineering (M.S., Ph.D.) – Electrical and Computer Engineering/Engineering

English (M.A.) – English/Liberal Arts

Environmental Health (M.S., Ph.D.) – Environmental and Radiological Health Sciences/Veterinary Medicine and Biomedical Sciences

Ethnic Studies (M.A.) – Ethnic Studies/Liberal Arts

Fish, Wildlife, and Conservation Biology (M.S., Ph.D.) – Fish, Wildlife, and Conservation Biology/Natural Resources

Food Science and Nutrition (M.S., Ph.D.) – Food Science and Human Nutrition/Applied Human Sciences

Forest Sciences (M.S., Ph.D.) – Forest, Rangeland, and Watershed Stewardship/Natural Resources

Geosciences (M.S.) – Geosciences/Natural Resources

Health and Exercise Science (M.S.) – Health and Exercise Science/Applied Human Sciences

History (M.A.) – History/Liberal Arts

Horticulture (M.S., Ph.D.) – Horticulture and Landscape Architecture/Agricultural Sciences

Human Bioenergetics (Ph.D.) – Health and Exercise Science/Applied Human Sciences

GRADUATE DEGREES

The following is a list of graduate degree programs offered by Colorado State. For information on requirements for graduate degrees, visit the Graduate School web pages at www.colostate.edu/Depts/Grad. An online version of the *Graduate and Professional Bulletin* is available at: <http://graduateschool.colostate.edu/index.asp?url=catalog>.

[Title (Degree) – Department/College]

Agricultural and Resource Economics (M.S., Ph.D.) – Agricultural and Resource Economics/Agricultural Sciences

Animal Sciences (M.S., Ph.D.) – Animal Sciences/ Agricultural Sciences

Anthropology (M.A.) – Anthropology/Liberal Arts

Applied Developmental Science (Ph.D.) – Human Development and Family Studies/Applied Human Sciences

Atmospheric Science (M.S., Ph.D.) – Atmospheric Science/Engineering

Bioagricultural Sciences (M.S., Ph.D.) – Bioagricultural Sciences and Pest Management/Agricultural Sciences

Degree Programs

Human Development and Family Studies (M.S.) – Human Development and Family Studies/Applied Human Sciences

Human Dimensions of Natural Resources (M.S., Ph.D.) – Human Dimensions of Natural Resources/Natural Resources

Languages, Literatures, and Cultures (M.A.) – Foreign Languages and Literatures/Liberal Arts

Mathematics (M.S., M.A.T., Ph.D.) – Mathematics/Natural Sciences

Mechanical Engineering (M.S., Ph.D.) – Mechanical Engineering/Engineering

Microbiology (M.S., Ph.D.) – Microbiology, Immunology, and Pathology/Veterinary Medicine and Biomedical Sciences

Occupational Therapy (M.S.) – Occupational Therapy/Applied Human Sciences

Pathology (Ph.D.) – Microbiology, Immunology, and Pathology/Veterinary Medicine and Biomedical Sciences

Philosophy (M.A.) – Philosophy/Liberal Arts

Physics (M.S., Ph.D.) – Physics/Natural Sciences

Political Science (M.A., Ph.D.) – Political Science/Liberal Arts

Psychology (M.S., Ph.D.) – Psychology/Natural Sciences

Public Communication and Technology (M.S., Ph.D.) – Journalism and Technical Communication/Liberal Arts

Radiological Health Sciences (M.S., Ph.D.) – Environmental and Radiological Health Sciences/Veterinary Medicine and Biomedical Sciences

Rangeland Ecosystem Science (M.S., Ph.D.) – Forest, Rangeland, and Watershed Stewardship/Natural Resources

Sociology (M.A., Ph.D.) – Sociology/Liberal Arts

Soil and Crop Sciences (M.S., Ph.D.) – Soil and Crop Sciences/Agricultural Sciences

Statistics (M.S., Ph.D.) – Statistics/Natural Sciences

Student Affairs in Higher Education (M.S.) – School of Education/Applied Human Sciences

Watershed Science (M.S.) – Forest, Rangeland, and Watershed Stewardship/Natural Resources

Zoology (M.S., Ph.D.) – Biology/Natural Sciences

Professional Degrees

Doctor of Veterinary Medicine (D.V.M.) – interdepartmental/Veterinary Medicine and Biomedical Sciences

Master of Accountancy (M.Acc.) – Accounting/Business

Master of Agriculture (M.Agr.) – Agricultural Sciences

Master of Applied Industrial and Organizational Psychology (M.A.I.O.P.) – Psychology/Natural Sciences

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

Master of Computer Science (M.C.S.) – Computer Science/Natural Sciences

Master of Education (M.Ed.) – Education and Human Resource Studies/Applied Human Sciences

Master of Engineering (M.E.) – Engineering

Master of Fine Arts (M.F.A.) – Art/Liberal Arts; Creative Writing/Liberal Arts

Master of Fish, Wildlife, and Conservation Biology (M.F.W.B.) – Fish, Wildlife, and Conservation Biology/Natural Resources

Master of Landscape Architecture (M.L.A.) – Horticulture and Landscape Architecture/Agricultural Sciences

Master of Management Practice (M.M.P.) – Management/Business

Master of Music (M.M.) – Music/Liberal Arts

Master of Natural Resources Stewardship (M.N.R.S.) – Forest, Rangeland, and Watershed Stewardship/ Natural Resources

Master of Public Health (M.P.H.) – Intra-University

Master of Social Work (M.S.W.) – Social Work/Applied Human Sciences

Colorado State University reserves the right at any time, without notice, to change, modify, or cancel any course, program, procedure, policy, financial requirement, or disciplinary arrangement set forth in this catalog whenever, in its sole discretion, it determines such action to be appropriate. Furthermore, Colorado State will not be responsible for any failure to present or complete any course or program or to perform any other activity, function, or obligation mentioned in this catalog. Since changes may occur at any time, students must check the relevant website (as noted throughout various chapters in this catalog).