The Bureaus of Regent reserves the right to waive tuition and fees at any time. Tuition and fees for 1979-80 were not available at press time; however, an instruction is to be sent to enrolled students. Tuition and fees for 1979-78 were:

<table>
<thead>
<tr>
<th>CREDIT HOURS OF ENROLLMENT</th>
<th>RESIDENT</th>
<th>NONRESIDENT (Fees)</th>
</tr>
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<tr>
<td>0.0</td>
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<tr>
<td>1.1-5.0</td>
<td>33.00</td>
<td>105.00</td>
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<td>6.1-10.0</td>
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<td>16.1-20.0</td>
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<td>21.1-25.0</td>
<td>113.33</td>
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<td>26.1-30.0</td>
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<td>433.33</td>
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<tr>
<td>Over 30.0</td>
<td>153.33</td>
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A SURCHARGE of $22.00 will be assessed for each credit hour in excess of 18 credit hours. For residents, the surcharge will be $22.00; for nonresidents, the surcharge will be $55.00.

Tuition Fees
- Resident tuition is assessed for each credit hour per semester. For residents, the surcharge will be $22.00; for nonresidents, the surcharge will be $55.00.
- There will be no surcharge for 12 credit hours or less. For credits beyond 12 credit hours, a surcharge of $22.00 will be assessed for each credit hour in excess of 12 credit hours.
- There will be no surcharge for 12 credit hours or less. For credits beyond 12 credit hours, a surcharge of $55.00 will be assessed for each credit hour in excess of 12 credit hours.
Academic Calendar

May 4-18, 1979 (Tuesday-Friday)

July 1, 1979 (Tuesday)

August 21-33, 1979 (Thursday afternoons-

September 3, 1979 (Monday)

September 4, 1979 (Monday)

September 5, 1979 (Wednesday)

September 7, 1979 (Friday)

September 12-13, 1979 (Monday-Thursday)

September 19, 1979 (Thursday)

September 20, 1979 (Thursday)

Registration for Boulder campus degree students enrolled in winter semester 1979.

Registration for new, transfer, and non-degree-seeking students who have not previously registered.

Labor Day Holiday

Class schedule distribution

Classes begin 9:30 a.m. Drop/Add begins

Registration for Space Available Voluntary Education (SAVE) Program begins.

Senior citizen registration

Last day to drop a course and not be assessed tuition and fees for that course. All drop cards must be deposited at the Office of the Registrar by 5:00 p.m. in order to be eligible for tuition refund.

Last day to drop without the instructor's signature.

Last day to withdraw from the University and receive 50% refund of fall tuition and fees.

Last day to submit Pass/Fail request forms to Office of the Registrar, Department Chair, or designated office.

Last day to request deferred tuition.

There will be a $2.00 charge for tuition validation stickers not obtained by this date.

Undergraduates who have not picked up their schedules by this date will be withdrawn.

*These dates are tentative pending legislative action, which may require an earlier enrollment date.

College of Arts and Sciences

Area Requirements

The College of Arts and Sciences requires that each of its students complete four semesters of work in each of the following areas: Physical, Biological, Social, and Humanities, in order to receive a degree. Since the College does not offer courses in the areas of Mathematics, Astronomy, and Religious Studies, these areas are separate requirements.

PHYSICAL SCIENCES:

- Anatomy
- Chemistry
- Earth Sciences
- Biology
- Environmental Chemistry
- Geology
- Geography
- Geophysics
- Paleontology
- Paleontology and Geology
- Paleontology and Paleobotany
- Paleontology and Geochemistry
- Paleontology and Paleomagnetism
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Controlled Enrollment Card from EOP.

NOTE. SEE THE CONTROLLED ENROLLMENT CARD FOR DISP. OFFICE.

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Astronomy

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Biographical Data

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Biological Science

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<td>INTRO TO MCO BIOL</td>
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<td>WALKER</td>
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<td>EPOB 630 020 PERIPETIC BIOLOGY</td>
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<td>EPOB 950</td>
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**Note:** For all 980 sections, please refer to the Departmental Approval Form.

**Learning Outcomes:**

- **Molecular, Cellular, and Developmental Biology:**
  - Human development and cellular functions.
  - Basic principles of genetics and molecular biology.

- **Cell and Tissue Biology:**
  - Cell structure and function.
  - Tissue organization and differentiation.

- **Developing Mechanisms:**
  - Developmental pathways and gene regulation.

- **Genetic Basis-Cell Mech:**
  - Genetic principles and cell mechanics.

- **Pesticide Chemistry and Biodegradation:**
  - Pesticide chemistry and environmental impact.

- **Pathobiology:**
  - Pathological processes and disease mechanisms.

- **Psychology:**
  - Psychological assessment and intervention.

**Chemistry:**

- **General Chemistry:**
  - Principles of chemical reactions and stoichiometry.

- **Organic Chemistry:**
  - Organic compounds and reactions.

- **Physical Chemistry:**
  - Physical principles and chemical behavior.

**Environmental Science and Policy:**

- **Environmental Science:**
  - Environmental systems and sustainability.

- **Environmental Policy:**
  - Environmental policy and regulations.

**Other Courses:**

- **Mathematics:**
  - Algebra and calculus.

- **Physics:**
  - Classical and modern physics.

**Note:** Please refer to the course catalog for detailed course information and prerequisites.
Chinese

NOTE. SEE DEPARTMENT OF FOREIGN LANGUAGE AND LITERATURE.

Classics

1. GENERAL CLASSICS AND THEIR STUDY IN LATIN REQUIRE

1st Class 101 000 THE STUDY OF WORKS

002 1200-1250 M W F

GDP 01200 340

PA PER PRACTICE

1st Class 102 000 WORLD OF ANCIENT CULTURES

SAME AS HIST 101

011 1100-1150 T H

HMS 01100 1100

SL MÖLLER

1st Class 110 030 GREEK MYTHOLOGY

012 1200-1250 M W F

HMS 01200 1200

RA EVANS

1st Class 111 000 MASTERCRAFTSMAN LIT LIT

013 1100-1150 M W F

HMS 01300 1150

A KRASEP

1st Class 210 000 WOMEN S ATTITUDE

SAME AS POL 210

014 1200-1300 M W F

HMS 01420 1200

213 K. J. KING

1st Class 310 030 MYTHS AND GREEK DANCE

SAME AS DANCE 100, 0CS 200

015 1100-1150 M W F

HMS 01511 1100

VAN WINSING

1st Class 311 030 TEACH AND ROMAN Epic

016 1000-1050 M W

HMS 01610 1000

S HOFMANN

1st Class 312 000 GREEK AND ROMAN Epic

SAME AS CLAS 346, ART 542/543

017 1030-1045 T H

HMS 01710 1030

R A YRR

1st Class 314 000 PHILOSOPHY AND ART ARCHITECT

SAME AS CLAS 327, ART 546/547

018 1215-1230 T H

HMS 01812 1215

TH LEWELLYN

1st Class 321 000 ETHICAL ART AND ARTS

SAME AS CLAS 303, ART 490/491, PHIL 373/374

019 1030-1145 T H

HMS 01910 1030

V A ROSS

1st Class 322 000 REPUBLIC AND RESEARCH

SAME AS CLAS 346, MCG 427/428

020 1000-1050 M W F

HMS 02010 1000

WR KAMERS

1st Class 323 000 GREEK AND ROMAN EPIC

021 1100-1150 M W F

HMS 02111 1100

F AHMANN

1st Class 325 000 ARCHITECTURE AND ENGLISH

SAME AS CLAS 347, ART 543/544

022 1230-1245 T H

HMS 02212 1230

A J. KARAS

1st Class 327 000 PRE-CLASS A ART ARCHITECT

SAME AS ART 427/428, PHIL 373/374, CLAS 317

023 1200-1215 T TH

HMS 02312 1200

TH LEWELLYN

1st Class 331 000 GREEK AND ROMAN EPIC

SAME AS CLAS 347, MCG 421/422

024 0930-1045 M W F

HMS 02409 0930

A E. KAMER

1st Class 346 000 PHILOSOPHY OF PLATO

SAME AS PHIL 398

025 1045-1100 M W

HMS 02510 1045

W A. FRIED

NOTE. FOR ALL THE SECTIONS A DEPARTMENTAL APPROVAL IS REQUIRED.

1st Class 705 1-2 INDEPENDENT STUDY

SAME AS CLAS 120

026 1000-1100 M W

S M 02610 1000

A H. JONES

11
NOTE. FOR CS 453 ASSEMBLY LANG PROG, STUDENTS UPPER DIVISION UNDERGRADS.

Computer Science

NOTE. COURSES OF SPECIAL IMPORTANCE IN COMPUTER APPLICATION ARE MARKED "CS" IN THIS DEPT. C S = CS, PHIL = PHILOSOPHY & LIT

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Dance

NOTE. SEE DEPT. OF THEATRE AND INTERPRETATION

Economics

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NOTE. SEE COURSE LISTINGS FOR DATES AND TIMES OF MEETINGS.

STUDY-LIT. CIVILIZATION STUDIES, STUDENT MUST CONSULT WITH INSTRUCTOR FOR SPECIALLY STRUCTURED COURSE.

STUDENT MUST CONSULT WITH INSTRUCTOR FOR SPECIALLY STRUCTURED COURSE.

NOTE: NO INDEPENDENT PROJECTS. STUDENT MUST PERFORM INDEPENDENT STUDY IN CONJUNCTION WITH INSTRUCTOR IN FRENCH 2A1.

NOTE: NO ADVANCED PLACEMENT FOR THIS COURSE.

NOTE: ALL MINORS SELECT A DEPARTMENTAL MINOR FOR THEIR DEGREE.

NOTE: SEE COURSE LISTINGS FOR COMPARATIVE LITERATURE.

NOTE: 12. INDEPENDENT STUDY.

NOTE: 11. CANDIDATE FOR DOCTOR.
206 GEOL 431 030 CRYSTAL CHEMISTRY
FREQU MONO 12117, M T W THF 11-17
ROGER GEIL 955
1000-1050 M
GEO 206
LAW WALKER

206 GEOL 417 040 OPTICAL CRYSTALS
FREQU M V M T W THF 11-47
ROGER GEIL 955
1000-1050 M
GEO 206
LAW WALKER

206 GEOL 407 030 THERMO PHYSICS
FREQU M W T THF 12-07
ROGER GEIL 955
1130-1230 T
GEO 306

206 GEOL 435 030 GENERAL MINERALOGY
FREQU M W T THF 11-05
ROGER GEIL 955
1000-1050 M
GEO 206
LAW WALKER

206 GEOL 504 030 GEOL HYDROLOGY
FREQU M W 1000-1050 M
GEO 401
WILLIAM ATKINSON

206 GEOL 525 030 MINERAL DEPOSITS
FREQU M W T THF 1000-1050 M
GEO 306
SAM SOLOUNIANS

206 GEOL 570 030 OCULAR MINERALOGY
FREQU M W T THF 1100-1150 M
GEO 306
BRADLEY RUNNELLS

206 GEOL 631 050 SEDIMENT PETROLOGY II
FREQU M W T THF 1000-1050 M
GEO 306
SAM SOLOUNIANS

Gernanic Languages and Literatures

210 GER 101 040 BEGINNING GERMAN I
FREQU M W 1000-1050 W
TRAN 911

210 GER 201 040 INTERMEDIATE GERMAN II
FREQU M W 1000-1050 W
TRAN 911

210 NEB 200 090 INTERMEDIATE SPANISH II
FREQU M W 1000-1050 W
TRAN 911

210 NEB 200 100 BEGINNING SPANISH I
FREQU M W 1000-1050 W
TRAN 911

210 NEB 202 060 BEGINNING SPANISH II
FREQU M W 1000-1050 W
TRAN 911

Course Offerings and Descriptions

206 GEOG 100 030 INTRODUCTION TO GEOGRAPHY
FREQU M 1000-1050 M
GEO 401
TR WALKER

206 GEOG 101 030 INTRODUCTION TO HUMAN GEOGRAPHY
FREQU M 1000-1050 M
GEO 401
TR WALKER

206 GEOG 110 030 INTRODUCTION TO PHYSICAL GEOGRAPHY
FREQU M 1000-1050 M
GEO 401
TR WALKER

206 GEOG 207 020, 030 INTRO-CHEM
SAME AS GEOL 401

206 GEOG 226 030 INTRO-DOCTORS THESES
SAME AS GEOL 401

206 GEOG 312 030 INTRO-DOCTOR'S THESES
SAME AS GEOL 401

206 GEOG 326 030 INTRO-DOCTOR'S THESES
SAME AS GEOL 401

206 GEOG 463 030 INTRO-DOCTOR'S THESES
SAME AS GEOL 401

206 GEOG 504 030 GEOL HYDROLOGY
SAME AS GEOL 401
WILLIAM ATKINSON

206 GEOG 570 030 OCULAR MINERALOGY
SAME AS GEOL 401
BRADLEY RUNNELLS

206 GEOG 631 050 SEDIMENT PETROLOGY II
SAME AS GEOL 401
SAM SOLOUNIANS

Note: All GER 404 Sections Secure and Department Controlled Enrollment Only

Note: For Additional Listings See Comparative Literature Section
225 HIST 940 1-3 ING ST-US WEST EC 1906 900 ARK
225 HIST 941 1-3 ING ST-US WEST 1907 900 ARK
225 HIST 942 1-3 ING ST-US WEST SINCE 1908 900 ARK
225 HIST 943 1-3 ING ST-NAW SINCE 1909 900 ARK
225 HIST 945 1-3 ING ST-US WEST SINCE 1911 900 ARK
225 HIST 946 1-3 ING ST-RUS & EAST EUR 900 ARK
225 HIST 947 1-3 ING ST-AFRICA/MID EAST 900 ARK
225 HIST 948 1-3 ING ST-COMPARATIVE 900 ARK
225 HIST 949 1-3 ING ST-US WEST EC 1969 900 ARK
225 HIST 952 1-3 ING ST-US SINCE 1969 900 ARK
225 HIST 953 1-3 ING ST-NAW SINCE 1971 900 ARK
225 HIST 956 1-3 ING ST-US WEST SINCE 1973 900 ARK
225 HIST 957 1-3 ING ST-US SINCE 1975 900 ARK
225 HIST 958 1-3 ING ST-AFRICA/MID EAST 900 ARK
225 HIST 964 1-3 ING ST-US WEST EC 1969 900 ARK
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225 HIST 968 1-3 ING ST-US WEST SINCE 1973 900 ARK
225 HIST 969 1-3 ING ST-US SINCE 1975 900 ARK
225 HIST 970 1-3 ING ST-AFRICA/MID EAST 900 ARK
225 HIST 971 1-3 ING ST-COMPARATIVE 900 ARK

Honors
NOTE: RANK TO CHANGE PROPORTIONAL INCREASE IN RANKS BASED ON PERFORMANCE. A RANK MAY BE GIVEN TO A STUDENT WHO IS RANKED NUMBER ONE IN THE DEPARTMENT. A STUDENT MUST BE AN INDEPENDENT STUDENT.
NOTE: SEC 801 IS A SPECIAL SECTION WHICH MEETS ON TUESDAY AND THURSDAY FROM 1200-1250.

251 MATH 150 COLLEGE ALGEBRA

PREREQ. MATH 103 OR INSTR CONSENT

NOTE. SEC 801 IS A SPECIAL SECTION WHICH MEETS ON TUESDAY AND THURSDAY FROM 1200-1250.

125 MATH 100-105
calculus for sci & bus

101 0900-0950 M W

102 1000-1050 M W

103 1100-1150 M W

104 1200-1250 M W

105 1300-1350 M W

106 1400-1450 M W

107 1500-1550 M W

108 0900-0950 T TH

109 1000-1050 T TH

110 1100-1150 T TH

111 1200-1250 T TH

112 1300-1350 T TH

113 1400-1450 T TH

114 1500-1550 T TH

115 0900-0950 F

116 1000-1050 F

117 1100-1150 F

118 1200-1250 F

119 1300-1350 F

120 1400-1450 F

121 1500-1550 F

251 MATH 100-105
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calculus for sci & bus

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Music

DEPT CRS
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MUS 190 1000-1050 M TH FRI ELLING 223 L LITTLE
MUS 330 0900-1050 M TH FRI ELLING 223 L LITTLE

ORIENTAL-ASIAN LANGUAGES & LITERATURE

DEPT CRS
304 RUSS 101 050
304 RUSS 101 030
304 RUSS 561 030 PROUST WEBER
304 RUSS 561 030 HEINCE TOUTOUNI
304 RUSS 561 030 MONDORF
304 RUSS 561 030 DAVEY

NOTE: SEE DEPARTMENT OF INTEGRATED STUDIES.

NOTICE: SEE DEPARTMENT OF INTEGRATED STUDIES.

ORIENTAL-ASIAN LANGUAGES & LITERATURE

NOTE: SEE DEPARTMENT OF INTEGRATED STUDIES.

Natural Science

NOTE: SEE DEPARTMENT OF INTEGRATED STUDIES.

Philosophy

NOTE: SEE DEPARTMENT OF INTEGRATED STUDIES.

NOTICE: SEE DEPARTMENT OF INTEGRATED STUDIES.
PHYSICAL EDUCATION AND RECREATION

Studying in Physical Education is highly beneficial for those who enjoy physical activity, want to improve their fitness, or have a passion for health and wellness. The program offers a variety of courses that can cater to individual interests and goals. Whether you're interested in teaching, coaching, or simply learning new skills, there's a course for you. Classes are designed to be inclusive and accessible to students of all ages and fitness levels, and instructors are dedicated to helping students achieve their personal best.

In addition to classroom instruction, students have the opportunity to participate in interscholastic or intramural teams, which can provide a supportive environment for learning and growth. The program also encourages students to become active participants in community sports and recreation facilities.

If you're considering a career in Physical Education, this program can provide the foundation you need to succeed. With a strong focus on both theory and practical skills, you'll be well-prepared to enter the workforce or pursue further education in the field.

Physical Education courses are also beneficial for those looking to improve their overall health and well-being. By learning about the importance of physical activity and making healthy choices, students can develop a lifestyle that promotes long-term health and vitality.

In summary, Physical Education is an excellent choice for those who are interested in improving their physical health, learning new skills, and pursuing a career in the field. With a supportive and engaging curriculum, students can expect a fulfilling and rewarding educational experience.
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Spanish and Portuguese

NOTE: See additional courses listed in COMP LIT DEPT 154.

DEPT NO. DEPT NAME COURSE TITLE TIME, ROOM, INSTRUCTOR
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365 SOC 325 030 SOCIETY & CULTURE
365 SOC 335 030 POPULATION & SOCIETY
365 SOC 345 030 SOCIAL ECONOMY
365 SOC 355 030 SOCIOLOGICAL RESEARCH
365 SOC 365 030 TRANSITIONAL SOCIETY

365 SPAN 375 030 SPANISH FOR SOC SCI
365 SPAN 415 030 EXPLAIN IN MED SCI
365 SPAN 425 030 ENVIRONMENT & HUMAN
365 SPAN 435 030 SENIOR HONORS

REQUISITE FOR DEGREES IN SOC.

365 SPAN 445 030 SOCIOLOGY
365 SPAN 455 030 SOCIOLOGY
365 SPAN 465 030 SOCIOLOGY
365 SPAN 475 030 SOCIOLOGY
365 SPAN 485 030 SOCIOLOGY
365 SPAN 495 030 SOCIOLOGY

SPAN 101 050 BEGINNING SPANISH

DEPT NO. COURSE TITLE
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**Transfer Business**

When semester grades become available, students below the acceptable standard will be notified of (1) probationary status or (2) suspension. College rules governing probation and suspension are as follows:

1. Any student whose overall grade average, or business course average, is less than 2.0 shall be placed on probation immediately. A student may be removed from probation at the end of the semester if the overall grade average is raised to at least 2.0. Such a student must maintain a 2.0 grade average during the next semester.

2. A student shall remain on probation as long as the student maintains normal grade progress each semester as determined by the college and/or college average grade point below a C. Such probationary status may continue a maximum of four regular semesters provided these provisions have been met. Failure to meet these requirements will result in indefinite suspension.

3. Indefinitely suspended students may attend the University of Colorado at Boulder in order to improve their grade average in the area of deficiency, but they may not attend any division of the University for at least two regular (fall and spring) semesters.

4. A student who has been under indefinite suspension for two semesters may apply for readmission to the College of Business and Administration. If readmission is approved, that readmission will be on a probationary status, and the student will be subject to indefinite suspension.

5. Any student who is placed on suspension more than once will be permanently suspended from the College of Business.

6. Any student earning all failing grades or no academic credit for the semester will not be permitted to register without the Dean's approval.

**Official Combined Degree Programs**

- Business Education
- Computer Science
- Finance
- International Business
- Marketing
- Management and Administration

**Graduate School of Business Administration**

- MBA Program
- PhD Program
- Master of Business Administration
- Master of Science in Accounting
- Master of Science in Management
- Master of Science in Finance
- Master of Science in Business Administration
- Master of Science in Human Resource Management
- Master of Science in Marketing
- Master of Science in Technology and Operations Management

**Business Administration**

- M.S. in Business Administration
- M.B.A.
- M.S. in Finance
- M.S. in Management
- M.S. in Marketing
- M.S. in Technology and Operations Management

**Transfer Credit**

Transfer credits from non-accredited institutions will not be accepted. Students from non-accredited institutions must have their transcripts evaluated by the university. Transfer credits from accredited institutions will be evaluated by the university. Transfer work from other institutions is evaluated first by the University of Colorado, then by the college. Transfer credits from non-accredited institutions will not be accepted. Students from non-accredited institutions must have their transcripts evaluated by the university. Transfer credits from accredited institutions will be evaluated by the university.
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Production Management

448 PMS 430 030 PMS 430

Personal Development

448 PMS 440 030 PMS 440

Transportation Management

448 PMS 450 030 PMS 450

Office Administration

448 00 410 030 BUSINESS STATISTICS

Quantitative Methods

448 00 103 030 BUSINESS STATISTICS
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| 802      | 901            | STUDY READINGS  | 1-4 | MWF       | E 145     | IND ST-JR HI/MED | 900 ARK
| 802      | 902            | STUDY READINGS  | 1-4 | MWF       | E 145     | IND ST-JR HI/MED | 900 ARK
| 802      | 903            | STUDY READINGS  | 1-4 | MWF       | E 145     | IND ST-JR HI/MED | 900 ARK
| 802      | 904            | STUDY READINGS  | 1-4 | MWF       | E 145     | IND ST-JR HI/MED | 900 ARK
| 802      | 905            | STUDY READINGS  | 1-4 | MWF       | E 145     | IND ST-JR HI/MED | 900 ARK
| 802      | 906            | STUDY READINGS  | 1-4 | MWF       | E 145     | IND ST-JR HI/MED | 900 ARK
| 802      | 907            | STUDY READINGS  | 1-4 | MWF       | E 145     | IND ST-JR HI/MED | 900 ARK

**Secondary Education**

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| 803      | 505            | CHILD DEVELOPMENT | 1-4 | TTH       | 134       | OPEN HRS | 900 ARK
| 803      | 504            | CHILD DEVELOPMENT | 1-4 | TTH       | 134       | OPEN HRS | 900 ARK
| 803      | 500            | CHILD DEVELOPMENT | 1-4 | TTH       | 134       | OPEN HRS | 900 ARK
| 803      | 501            | CHILD DEVELOPMENT | 1-4 | TTH       | 134       | OPEN HRS | 900 ARK
| 803      | 502            | CHILD DEVELOPMENT | 1-4 | TTH       | 134       | OPEN HRS | 900 ARK

**Administration and Supervision**

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| 807      | 571            | ADMINISTRATIVE SUPERVISION | 1-4 | TTH     | 134       | OPEN HRS | 900 ARK
| 807      | 572            | ADMINISTRATIVE SUPERVISION | 1-4 | TTH     | 134       | OPEN HRS | 900 ARK
| 807      | 573            | ADMINISTRATIVE SUPERVISION | 1-4 | TTH     | 134       | OPEN HRS | 900 ARK
| 807      | 574            | ADMINISTRATIVE SUPERVISION | 1-4 | TTH     | 134       | OPEN HRS | 900 ARK

**Curriculum**

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| 807      | 101            | MULTICULTURAL EDUCATION | 1-4 | TTH     | 134       | OPEN HRS | 900 ARK
| 807      | 102            | MULTICULTURAL EDUCATION | 1-4 | TTH     | 134       | OPEN HRS | 900 ARK
| 807      | 103            | MULTICULTURAL EDUCATION | 1-4 | TTH     | 134       | OPEN HRS | 900 ARK
| 807      | 104            | MULTICULTURAL EDUCATION | 1-4 | TTH     | 134       | OPEN HRS | 900 ARK

Note: All courses are open to graduates only.
### College of Engineering and Applied Science

#### General Information: Rules and Regulations

- **Library Media**
  - Course codes and titles are subject to change. Please refer to the official catalog for the most current information.

- **Psycho-Educational Studies**
  - Courses are available for transfer credit, subject to departmental approval.

- **Research and Evaluation Methodology**
  - This section outlines the procedures for obtaining credit for research and evaluation. Students should consult with their academic advisor for guidance.

#### Course Descriptions

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<td>Applied Physics</td>
<td>700</td>
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#### Additional Resources

- The Student Survival Guide is available for download on the university's website.
- Visit the University's Library for access to a comprehensive database of academic resources.

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36
### Architectural Engineering

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Civil, Environmental, and Architectural Engineering

Departmental Approval Form

800 030 Photo and Architectural Engineering

800 030 Civil Engineering

800 030 Structural Analysis

800 030 Physical Therapy

800 030 Hydraulics

800 030 Fluid Flow Analysis

800 030 Transportation Systems

800 030 Environmental Engineering

800 030 Water Resources Engineering

800 030 Construction Systems

800 030 Surveying

800 030 Geology and Geophysics

Electrical Engineering

Departmental Approval Form

800 030 Electrical Engineering

800 030 Electronics

800 030 Circuit Analysis

800 030 Computer Engineering

800 030 Communication Systems

800 030 Power Systems

800 030 Power Electronics

800 030 Computer Science

800 030 Electrical Power Systems

800 030 Control Systems
NOTE: SEE COURSES FOR AREA REQUIREMENTS.

College of Environmental Design

GENERAL INFORMATION

Statements concerning general policies, rules, and regulations and specific information relevant to course sequence and requirements are contained in the College of Environmental Design section of the 1979-80 UCB Catalog, or the Course Number Database is available in libraries or the bookstore. All students are responsible for familiarizing themselves with this information and should retain a copy in their personal files.

Environmental Design students must identify major code IV 802 and obtain advice from the Faculty in Environmental Design. Faculty offices for advisors are in the Environmental Design Building, C-13. All students enrolled in the College of Environmental Design are required to see an adviser prior to registration for each semester.

STANDARDS OF STUDENTS

Students will be subject to suspension if they do not attain and continue to maintain a cumulative grade point average of 2.0 for the Environmental Design undergraduate division. The cumulative D's in the required core courses would be grounds for repeating both courses.

STANDING REQUIRMENTS

The current semester credit-hour load in the College of Environmental Design is 16 semester hours. Advance approval by the dean is essential for loads of less than 12 hours or more than 18 hours.

SCHEDULE

Classes may not be added after the first week of each semester. Students may drop courses during the first two weeks of a semester by securing the approval of the dean and processing the drop form. After that time, the procedure must include written approval of the instructor concerned and the dean. Under the following conditions, a course must be dropped with a failure.

When the course is dropped after the tenth week of the semester (unless the reason for dropping is clearly beyond the student's control and is so affirmed by the dean's office).
Graduate students who are writing a master's thesis must complete a minimum of 6 semester hours for thesis, and 3 additional hours in residence, but the total number of credit hours to be expected for thesis is 9. The final grade for the thesis will be determined when the thesis is completed. If it is not completed by the end of the term in which the student is registered for it, an "In Progress" should be reported. Candidates for the M.Ed. degree must complete a total of 2 semester hours for the M.Ed. report.

The Graduate School requires that the candidate be registered at the time they complete their comprehensive final examination for the master's degree. If all course-requirements have been completed and if the student has previously registered for the total number of hours, the grade will be reported.

The complete an Independent Study/Thesis Approval Form and deposit it with the other required forms. This form must be approved and signed by the student's advisory committee and submitted to the program's Graduate Coordinator. The form must be completed by the student at the time they take their comprehensive final examination for the master's degree. If all course-requirements have been completed and if the students have previously registered for the total number of hours, the grade will be reported.

Candidate's further requirements, candidates must complete the following lower-division requirements of the School of Journalism. The following lower-division requirements of the School of Journalism may be dropped from journalism courses for nonattendance, candidates who fail to complete the requirements will be reported.

The complete an Independent Study/Thesis Approval Form and deposit it with the other required forms. This form must be approved and signed by the student's advisory committee and submitted to the program's Graduate Coordinator. The form must be completed by the student at the time they take their comprehensive final examination for the master's degree. If all course-requirements have been completed and if the students have previously registered for the total number of hours, the grade will be reported.

Candidates must be registered at the time they complete their comprehensive final examination for the master's degree. If all course-requirements have been completed and if the students have previously registered for the total number of hours, the grade will be reported.
### Music

**Applied Music:** (lessons and classes) listed in the schedule are available to music majors in his respective area. This class is part of the principal applied music registration and may be taken for credit in Music Education courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
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### Study Abroad

- **MUS 102 010** MUSIC THROUGH THE MASTERS: FROM KANDY TO ATHENS

### Music Education

- **MUS 210 020** INTERNSHIP IN MUSIC EDUCATION
- **MUS 310 030** MUSIC IN PUBLIC SCHOOLS
- **MUS 320 020** QUALITY FOR TEACHERS

### Organ and Church Music

- **MUS 222 010** TEACHING CHURCH MUSIC
- **MUS 223 020** CHURCH MUSIC I
- **MUS 224 030** CHURCH MUSIC II
- **MUS 225 040** CHURCH MUSIC III

### Piano

- **MUS 230 050** PIANO LITERATURE
- **MUS 231 060** PIANO LITERATURE I
- **MUS 232 070** PIANO LITERATURE II
- **MUS 233 080** PIANO LITERATURE III

### Voice

- **MUS 240 090** SINGING WORKSHOP

### World Music

- **MUS 250 100** WORLD MUSIC

### Computer Applications

- **MUS 260 110** COMPUTER APPLICATIONS

### Performance

- **MUS 270 120** PERFORMANCE PREPARATION

### Research

- **MUS 280 130** RESEARCH PROBLEMS

### Thesis

- **MUS 290 140** THESIS

### Other Courses

- **MUS 300 150** COUNTRY MUSIC
- **MUS 310 160** MUSIC HISTORY
- **MUS 320 170** MUSIC THEORY
- **MUS 330 180** MUSIC COMPOSITION
- **MUS 340 190** MUSIC ANALYSIS
- **MUS 350 200** MUSIC HISTORY II
- **MUS 360 210** MUSIC ANALYSIS II
- **MUS 370 220** MUSIC COMPOSITION II
- **MUS 380 230** MUSIC ANALYSIS III
- **MUS 390 240** MUSIC COMPOSITION III

### Independent Study

- **MUS 400 010** INDEPENDENT STUDY

### Electives

- **MUS 410 020** ELECTIVE
- **MUS 420 030** ELECTIVE
- **MUS 430 040** ELECTIVE
- **MUS 440 050** ELECTIVE

### Study Abroad

- **MUS 500 060** STUDY ABROAD

### Special Projects

- **MUS 510 070** SPECIAL PROJECTS

### Internships

- **MUS 520 080** INTERNSHIP

### Research

- **MUS 530 090** RESEARCH

### Independent Study

- **MUS 540 100** INDEPENDENT STUDY

### Thesis

- **MUS 550 110** THESIS

### Performance

- **MUS 560 120** PERFORMANCE

### Research

- **MUS 570 130** RESEARCH

### Independent Study

- **MUS 580 140** INDEPENDENT STUDY

### Thesis

- **MUS 590 150** THESIS

### Performance

- **MUS 600 160** PERFORMANCE

### Research

- **MUS 610 170** RESEARCH

### Independent Study

- **MUS 620 180** INDEPENDENT STUDY

### Thesis

- **MUS 630 190** THESIS

### Performance

- **MUS 640 200** PERFORMANCE

### Research

- **MUS 650 210** RESEARCH

### Independent Study

- **MUS 660 220** INDEPENDENT STUDY

### Thesis

- **MUS 670 230** THESIS

### Performance

- **MUS 680 240** PERFORMANCE

### Research

- **MUS 690 250** RESEARCH

### Independent Study

- **MUS 700 260** INDEPENDENT STUDY

### Thesis

- **MUS 710 270** THESIS

### Performance

- **MUS 720 280** PERFORMANCE

### Research

- **MUS 730 290** RESEARCH

### Independent Study

- **MUS 740 300** INDEPENDENT STUDY

### Thesis

- **MUS 750 310** THESIS

### Performance

- **MUS 760 320** PERFORMANCE

### Research

- **MUS 770 330** RESEARCH
###History and Literature

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###B.A. in Music

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###Theses and Recitals

**Note:** For all 900 sections requires a departmental approval form.

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###Special Studies

**Note:** For all 900 sections requires a departmental approval form.

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###Doctor of Musical Arts

**Note:** For D.M.A. only. A candidate only with instructor and advisor consent.

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###Applied Music and Ensembles

**Note:** For professional credit only.

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###Applicable Degrees

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School of Pharmacy

GENERAL INFORMATION

Magnetic cards, rules, and regulations are published in the School of Pharmacy section of the current UCB Catalog. Students are expected to become familiar with these rules and regulations as well as the specific requirements for their particular major.\n
PHARMACY CATALOG

A student's degree program and major is determined by his or her major card. PREREQ indicates any prerequisite required for the course. Code numbers with asterisks (*) indicate courses that are not open to non-pharmacy students and seniors, by audition, except with the permission of the course instructor.

For a detailed breakdown of courses and instructors, please refer to the UCB Catalog.
COURSE OF STUDY

The normal academic load is 16 or 18 hours. Permission to take more than 16 hours or less than 12 hours may be granted only for the summer. A student must be registered for at least 12 hours of credit on the Boulder campus in order to qualify for a semester of residency. The student must maintain a grade point average of at least 2.0. A student with a grade point average of 0.0 is not an acceptable passing grade in a professional course. A student will not be permitted to register for fifth year professional courses unless a student has been completed satisfactory improvement in a grade of C or better. A student may not register for any third of fourth year professional courses unless all prerequisites have been completed with a grade of C or better in these courses.

PASS/FAIL OPTION

The Pass/Fail option is not permitted for the non-professional or professional courses that are required for graduation. After enrollment in the School of Pharmacy, a student may withdraw from up to six semester of non-professional electives may be taken to apply towards the degree under the Pass/Fail option.

WITHDRAWAL

A student leaving the university during a semester or term must write to the School of Pharmacy office to initiate a statement of withdrawal. If a student leaves without obtaining an official approval of withdrawal, a grade of failure will be reported for each enrolled course.

ADDITIONAL PREREQUISITES

In the School of Pharmacy a grade of C is not an acceptable passing grade in a professional course. If a grade of D is received, the course must be repeated until a grade of C or better is received. Professional courses are those listed under Pharmacy-Pharmaceuticals, Clinical Pharmacy, Pharmacy Administration, Pharmaceutical Chemistry, Pharmacology, and Biopharmacy. A student must maintain a cumulative 2.0 grade point average for all courses attempted in the School of Pharmacy to remain in good standing. If the average falls below 2.0, a student will be placed on scholastic probation with a mandatory reduction of academic load and extracurricular activities. The student record must be improved each subsequent semester, and if a 2.0 average is not attained satisfactory improvement demonstrated after two semesters, the status of probation will be changed to suspension.

PHARMACY RESIDENCY

The American Association of Colleges of Pharmacy requires that a minimum residency of three years be completed in the professional years of study for a baccalaureate degree in pharmacy. To qualify for a student of pharmacy residency, a student must complete 12 hours of credit in the School of Pharmacy at the Boulder campus. If a student takes a reduced schedule of less than 12 hours for the semester before the summer session, pharmacy residency will be granted in proportion to the number of hours completed and the duration of the term. Pharmacy residency will also be granted for enrollment at other campuses or through the Division of Continuing Education of the University.

Major Codes

The list of course offerings is subject to change between the publication of this information and the commencement of classes for the fall academic term. Check with the academic unit.

Pharmacy-Pharmaceuticals

NOTE: FOR ALL 000 SECTIONS SECURE A DEPARTMENTAL APPROVAL FORM.

Clinical Pharmacy

NOTE: FOR ALL 000 SECTIONS SECURE A DEPARTMENTAL APPROVAL FORM.

Pharmacy Administration

NOTE: FOR ALL 000 SECTIONS SECURE A DEPARTMENTAL APPROVAL FORM.

Graduate School of Public Affairs

NOTE: PhRm and PhD graduates may be enrolled in the graduate degree programs in public administration leading to the master's degree in the Graduate School of Public Affairs, with a minimum of 15 credits of graduate study in public administration. In all cases, the degree is earned with the consent of the department head.

This list of course offerings is subject to change between the publication of this information and the commencement of classes for the fall academic term. Check with the academic unit.

Public Affairs

NOTE: FOR ALL 000 SECTIONS SECURE A DEPARTMENTAL APPROVAL FORM.

Pharmaceutical Chemistry

NOTE: FOR ALL 000 SECTIONS SECURE A DEPARTMENTAL APPROVAL FORM.

Biopharmacy

NOTE: FOR ALL 000 SECTIONS SECURE A DEPARTMENTAL APPROVAL FORM.

Pharmacology

NOTE: FOR ALL 000 SECTIONS SECURE A DEPARTMENTAL APPROVAL FORM.
NOTE.

INTENSIVE SCHEDULE:

INDIVIDUAL COURSES ARE REQUIRED FALL

ADDITION TO M S 401.

NOTE. SEEK A DEPARTMENTAL APPROVAL FORM.

AD 200 030 PASSENGER PARTS

NOTE. SEE A DEPARTMENTAL APPROVAL FORM.

AD 301 030 NAVAL LEADERSHIP

NOTE. SEE A DEPARTMENTAL APPROVAL FORM.

AD 200 030 NAVAL LEADERSHIP

AD 100 030 AF MASTERS PROGRAM

NOTE. SEEK A DEPARTMENTAL APPROVAL FORM.

Urban Affairs

Criminal Justice

ROTC Programs

Air Force Aerospace Studies

Military Science

Military Science

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**ROTC Programs**

**Naval Science**

- MNS 101-3: NAVAL SHIP SYSTEMS
- MNS 202-2: NAVAL IN SEARCH
- MNS 302-3: NAVAL NARRATION
- MNS 407-3: NAVAL WARFARE
- MNS 507-3: NAVAL WARFARE
- MNS 607-3: NAVAL WARFARE
- MNS 707-3: NAVAL WARFARE