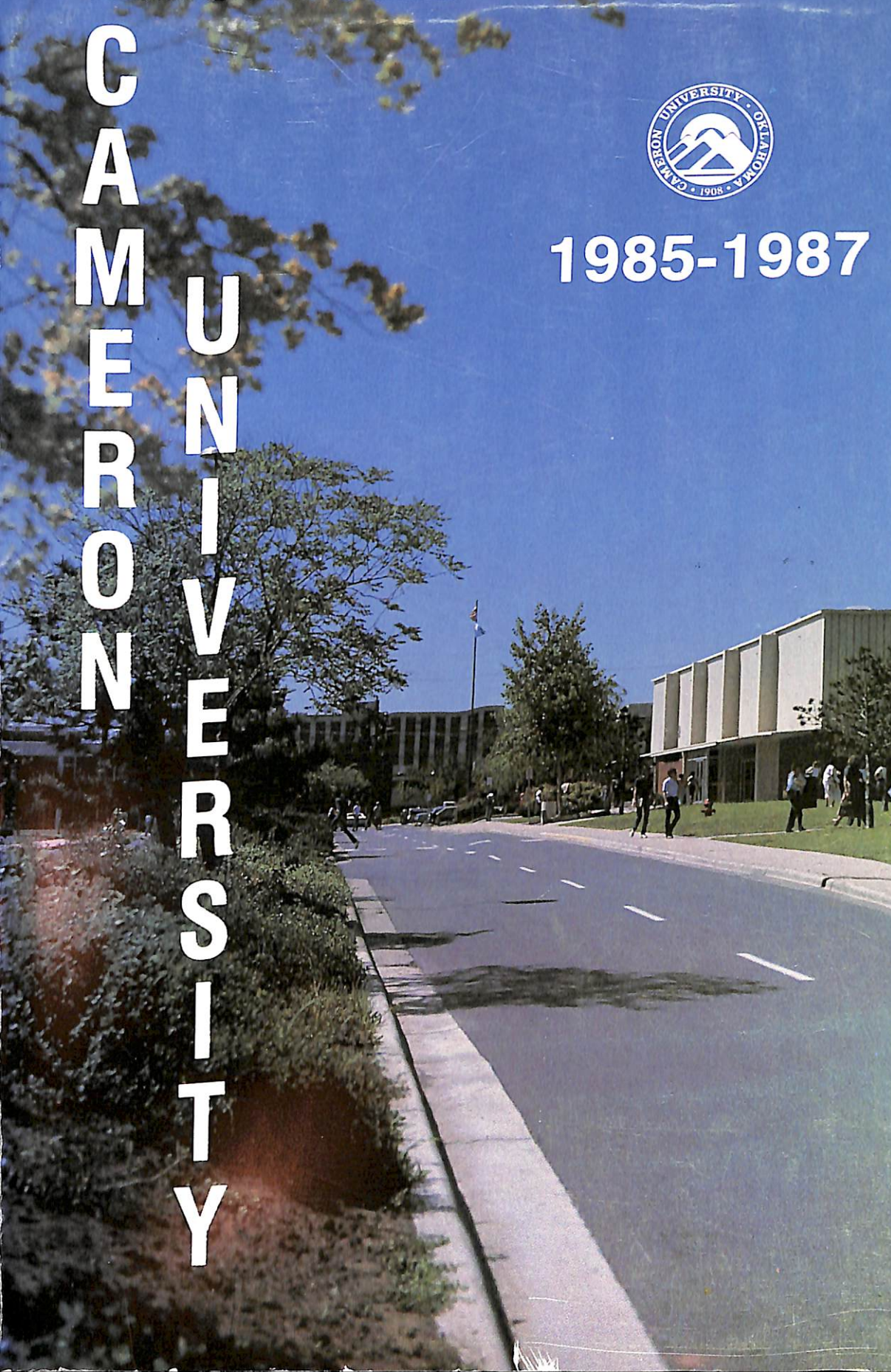
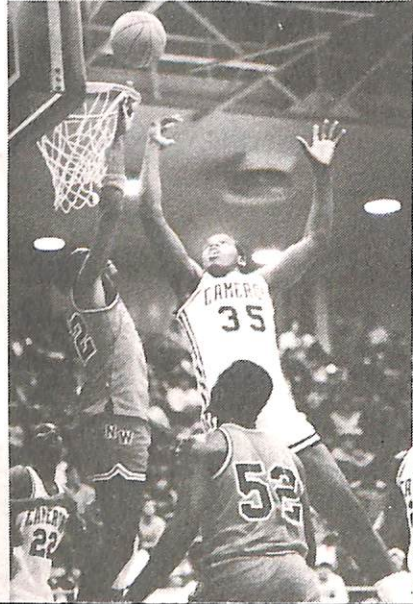




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CAMERON UNIVERSITY

1985 - 1987
CATALOG

2800 West Gore Boulevard
Lawton, Oklahoma 73505
(405) 248-2200

This institution in compliance with Title VI of the Civil Rights Act, Section 504 of the Rehabilitation Act of 1973 and Title IX of the Education Amendments of 1974 does not discriminate on the basis of race, religion, ethnicity, national origin, or sex in any of its policies, practices, or procedures. This includes but is not limited to admissions, employment, financial aid, and student services.

PREFACE

This catalog provides information about the academic programs of Cameron University. The publication also contains information concerning admissions, academic regulations and requirements, services available to students, academic offerings and a list of the administrative officers and faculty of the University. While every effort has been made to make this catalog as complete and accurate as possible, changes may occur at any time in requirements, deadlines, fees, curricula and courses listed in this catalog.

The courses listed in a curriculum are required, but the display of a curriculum does not in any way indicate the length of time required for a student to finish degree requirements. Rather, this display is intended as a guide to indicate the preferred order for completion of degree requirements. Exceptions to certain requirements may be petitioned through proper academic channels.

Since this catalog was prepared well in advance of its effective date, the course descriptions may differ in some instances from actual content taught in some courses. This is due to advancements in the discipline, interests of individual professors or decisions to change the scope of the course. Thus, the descriptions that follow are not provided in the nature of a contractual obligation. Some of the newer courses and changes in courses are included in this catalog pending their approval by the Oklahoma State Regents for Higher Education. For administrative reasons, because of insufficient enrollment or because of limited resources, any given course might not be offered in the announced semester. Consequently, students should consult the appropriate departmental advisor and refer to the class schedule for the offerings in any given academic session.

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ACADEMIC CALENDARS

FALL 1985

Fall Day

August 14-15	Enrollment
August 19	Classes Begin
August 26	Last Date to Enroll or Add a Single Class
September 2	Holiday - Labor Day
October 14	Last Day to Receive Auto "W"
October 17-18	Fall Break
November 27	Last Date to Withdraw from a Single Class
November 28-29	Holiday (Thanksgiving)
December 9-13	Final Exams

August Night

August 14-15	Enrollment
Aug 19 (MW) Aug 20 (TTh)	Classes Begin
Aug 21 (MW) Aug 22 (TTh)	Last Date to Enroll or Add a Single Class
Sept 16 (MW) Sept 12 (TTh)	Last Date to Drop or Withdraw with an Auto "W"
Oct 7 (MW) Oct 3 (TTh)	Last Day to Withdraw from a Single Class
Oct 14 (MW) Oct 10 (TTh)	Session Ends

October Night

Aug 14-15, Oct 1-15	Enrollment
Oct 16 (MW) Oct 15 (TTh)	Classes Begin
Oct 21 (MW) Oct 22 (TTh)	Last Date to Enroll or Add a Single Class
Nov 11 (MW) Nov 12 (TTh)	Last Day to Drop or Withdraw with an Auto "W"
Dec 2 (MW) Dec 5 (TTh)	Last Day to Withdraw from a Single Class
Dec 9 (MW) Dec 12 (TTh)	Session Ends

SPRING 1986

January 2-3	Spring Day
January 6	Regular Enrollment
January 10	Classes Begin
January 13	Last Day to Enroll
February 17	Last Day to Add a Single Class
March 3	Holiday - Washington's Birthday
	Last Date to Withdraw with an Auto "W"
March 24-28	Spring Break
April 21	Last Date to Drop a Single Class
April 29-May 5	Semester Exams
May 5	Graduation

January Night

January 6	Enrollment
Jan 6 (MW) Jan 7 (TTh)	Classes Begin
Jan 8 (MW) Jan 9 (TTh)	Last Date to Enroll or Add a Single Class
Jan 29 (MW) Jan 30 (TTh)	Last Date to Drop or Withdraw with Auto "W"
February 17	Holiday - Washington's Birthday
Feb 19 (MW) Feb 20 (TTh)	Last Day to Withdraw from a Single Class
Feb 26 (MW) Feb 27 (TTh)	Session Ends

March Night

March 3	Enrollment
Mar 3 (MW) Mar 4 (TTh)	Classes Begin
Mar 5 (MW) Mar 6 (TTh)	Last Date to Enroll or Add a Single Class
Apr 2 (MW) Apr 3 (TTh)	Last Date to Drop or Withdraw with Auto "W"
Apr 23 (MW) Apr 24 (TTh)	Last Day to Withdraw from a Single Class
Apr 30 (MW) May 1 (TTh)	Session Ends

SUMMER 1986

Day

June 2	Enrollment
June 3	Classes Begin
June 9	Last Date to Enroll or Add a Single Class
June 30	Last Date to Drop or Withdraw with an Auto "W"
July 4	Holiday (Independence Day)
July 23	Last Day to Withdraw from a Single Class
July 29	Semester Ends

Night

June 2	Enrollment
June 3 (TTh) June 4 (MW)	Classes Begin
June 5 (TTh) June 9 (MW)	Last Date to Enroll or Add a Single Class
June 26 (TTh) June 30 (TTh)	Last Date to Withdraw with an Auto "W"
July 4	Holiday (Independence Day)
July 17 (TTh) July 21 (MW)	Last Day to Withdraw from a Single Class
July 24 (TTh) July 28 (MW)	Semester Ends

FALL 1986

Day

August 20-21	Enrollment
August 25	Classes Begin
September 1	Holiday (Labor Day)
September 2	Last Date to Enroll or Add a Single Class
October 16-17	Fall Break
October 22	Last Date to Receive Auto "W"
	Tentative Registration - Spring 1987
November 27-28	Holiday (Thanksgiving)
December 5	Last Date to Withdraw from a Single Class
December 15-19	Final Exams

August Night 1986

August 25	Enrollment
Aug 25 (MW) Aug 26 (TTh)	Classes Begin
Aug 27 (MW) Aug 28 (TTh)	Last Date to Enroll or Add a Single Class
September 1	Holiday (Labor Day)
Sept 22 (MW) Sept 18 (TTh)	Last Date to Drop or Withdraw with an Auto "W"
Oct 13 (MW) Oct 9 (TTh)	Last Date to Withdraw from a Single Class
Oct 16-17	Fall Break
Oct 20 (MW) Oct 21 (TTh)	Session Ends

October Night 1986

October 22	Enrollment
Oct 22 (MW) Oct 23 (TTh)	Classes Begin
Oct 27 (MW) Oct 28 (TTh)	Last Date to Enroll or Add a Single Class
Nov 17 (MW) Nov 18 (TTh)	Last Date to Drop or Withdraw with an Auto "W"
Nov 27-28	Holiday (Thanksgiving)
Dec 8 (MW) Dec 11 (TTh)	Last Date to Withdraw from a Single Class
Dec 15 (MW) Dec 18 (TTh)	Session Ends

SPRING 1987

Day

January 7-8	Enrollment
January 12	Classes Begin
January 19	Last Date to Enroll or Add a Single Class
March 6	Last Date to Withdraw with an Auto "W"
March 23-27	Spring Vacation
	Tentative Pre-enrollment - summer
	Tentative Pre-enrollment - Fall
April 24	Last Date to Withdraw from a Single Class
May 4-8	Semester Exams
May 8	Graduation (Fall, Spring, Summer)

January Night 1987

January 12	Enrollment
Jan 12 (MW) Jan 13 (TTh)	Classes Begin
Jan 14 (MW) Jan 15 (TTh)	Last Date to Enroll or Add a Single Class
Feb 4 (MW) Feb 5 (TTh)	Last Date to Drop or Withdraw with an Auto "W"
Feb 25 (MW) Feb 26 (TTh)	Last Date to Withdraw from a Single Class
Mar 4 (MW) Mar 5 (TTh)	Session Ends

March Night 1987

March 9	Enrollment
Mar 9 (MW) Mar 10 (TTh)	Classes Begin
Mar 11 (MW) Mar 12 (TTh)	Last Date to Enroll or Add a Single Class
Mar 23-27	Spring Vacation
Apr 8 (MW) Apr 9 (TTh)	Last Date to Drop or Withdraw with an Auto "W"
Apr 29 (MW) Apr 30 (TTh)	Last Date to Withdraw from a Single Class
May 6 (MW) May 7 (TTh)	Session Ends

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FACULTY AND ADMINISTRATIVE STAFF

- ALEXANDER, MARK, (1984)** *Art*, B.A., Florida Technical University; M.F.A., Florida State University.
- ALEXANDER, RALPH, (1984)** *Education and Psychology*, B.A., Texas Christian University; M.Ed., Ph.D., University of Oklahoma.
- ALKIM, EULONDA, (1978)** *Accounting and Finance*, B.S., University of California at Los Angeles, M.B.A., University of Oklahoma, C.P.A., State of Oklahoma.
- ALLEN, MARY K., (1967)** *English*, B.S., Wayland Baptist College; M.Ed., University of Oklahoma; Ed.D., Oklahoma State University.
- ALLISON, TONY, (1972)** *Chairman, Communications*, B.A., Abilene Christian University; M.A., Southwest Texas State University.
- ALYEA, ROBERT D., (1982)** *Director of Placement/Career Development*, B.S., M.Ed., Central State University.
- AMYX, JACK F., (1965)** *Head, Division of Business*, B.S., M.S., Ed.D., Oklahoma State University.
- ARNOLD, ALBERT E. III, (1984)** *Military Science*, Major, B.S., Iowa State University; M.B.A., University of Utah.
- ATWATER, ORIN THOMAS, (1978)** *History and Humanities, and Political Science*, B.A., St. Mary's College of California; Ph.D., University of Notre Dame.
- BAUSCH, M. PEGGY, (1981)** *Theatre Arts*, B.A., M.A., Miami University.
- BEANEY, MARILYN, (1976)** *Languages and Communication*, B.M., Oklahoma Baptist University; M.A., University of Oklahoma.
- BEAVERS, WILMA, (1977)** *Home Economics*, B.S., Oklahoma State University; M.H.Ec.Ed., University of Oklahoma.
- BEHR, MEREDITH A., (1982)** *Biological Sciences*, B.A., Wilson College; M.S., University of Connecticut, Ph.D., University of Illinois.
- BELLOVICS, DONNA, (1983)** *Chairman, Nursing*, A.A., East Los Angeles Jr. College; B.S.N., Marycrest College, Davenport, Iowa; M.A., University of Iowa; Ed.D., Walden University, Naples Florida.
- BENNETT, ALLISON C., (1976)** *Chairman, Agriculture/Director, Center for Advisement and Student Development*, B.S., M.S., Oklahoma State University; Ph.D., Auburn University.
- BLAKE, HARRY D., (1985)** *Music*, B.A., M.A., New Mexico Highland University.
- BLODGETT, RALPH E., (1971)** *Chairman, History and Humanities*, B.A., M.A., Ph.D., University of Colorado.
- BONNINGTON, SONDRRA, (1982)** *Education and Psychology*, B.S., Texas Technological University; M.Ed., Ph.D., Texas Woman's University.
- BORAH, MARIA L., (1983)** *Computer Services Academic Coordinator*, B.S., Cameron University; C.D.P., Institute for Certification for Computer Professionals.
- BOWMAN, JACK W., (1978)** *Head, Division of Fine Arts*, B.M., Ohio Wesleyan University; M.M., D.M.A., The University of Michigan.
- BROOKS, NANCY, (1969)** *Administrative Sciences*, B.B.E., M.B.E., Ph.D., University of Oklahoma.
- BROOKS, RICHARD S., (1976)** *Veterans Affairs, and Assistant Director of Admissions*, B.S., Cameron University.
- BROWN, CHARLES P., (1975)** *Vice President for University Operations*, B.S., University of Oklahoma; M.B.A., New York University.
- BROWN, DOROTHY, (1984)** *Nursing*, B.S.N., Cameron University; M.S.N., University of Texas.
- BRUCE, JON, (1970)** *Education and Psychology*, B.S., Panhandle A&M College; M.Ed., Abilene Christian College; Ed.D., Baylor University.

- BRYAN, JACK, (1967)** *Chairman, Art, B.F.A., University of Oklahoma; M.A., University of Tulsa.*
- BURNETT, ELIZABETH, (1985)** *Nursing, B.S.N., B.S., East Carolina University.*
- BURNETT, JERALD, (1978)** *Technology, B.S., Cameron University.*
- BYRD, ROY, (1965)** *Technology, B.S., East Central State College; Post-Baccalaureate Certificate, University of Illinois; M.S., Oklahoma State University.*
- CALLEN, NICK A., (1985)** *Information Services Librarian, B.S., M.L.S., University of Oklahoma.*
- CARDWELL, SCHERREY P., (1971)** *Chairman, English, B.A., St. John's College; M.A., Ph.D., University of Arkansas.*
- CARTER, BILL, (1985)** *Athletic Director, B.S., University of Iowa at Dubuque; M.Ed., Oklahoma State University.*
- CARTER, BILLY, (1985)** *Women's Basketball Coach, B.A., Oklahoma Baptist University; M.Ed., East Central Oklahoma State University.*
- CHENOWETH, DON W., (1972)** *Political Science, B.A., University of Minnesota; M.A., Indiana University; Ph.D., St. Louis University.*
- CHESTER, JAMES, (1976)** *Administrative Sciences, A.A., Cameron University; B.S., University of Science and Arts of Oklahoma; M.B.A., Western New England College; Ed.D., Oklahoma State University.*
- COCHRANE, ADRIENNE W., (1983)** *Title III Coordinator, B.S., M.Ed., Tuskegee Institute.*
- COGGINS, GARY, (1984)** *Chairman, Military Science, Lieutenant Colonel, B.S., United States Military Academy; M.S., Rice University; M.A., Central Michigan University.*
- COLLINS, DELLA, (1984)** *Assistant to Director of Placement, B.S., Cameron University.*
- COOPER, MICKEY, (1964)** *Biological Sciences, B.S., East Central State College; M.S., Ph.D., Oklahoma State University.*
- COSGROVE, DALE G., (1968)** *Accounting and Finance, B.S.B.A., M.B.A., University of Arkansas; C.P.A., Oklahoma.*
- COSGROVE, JUDY D., (1981)** *Mathematical Sciences, B.A., M.A., University of Arkansas.*
- COTTINGHAM, JAMES, (1972)** *Technology, B.S., Arch. Engineering, University of Oklahoma; M.S., Oklahoma State University; Registered Architect in Oklahoma.*
- COURINGTON, JOHN, (1979)** *Accounting and Finance, B.S., Arizona State University; M.S., Oklahoma State University.*
- CRANE, JOE, (1969)** *Physical Science, B.S., M.S., Ph.D., Oklahoma State University.*
- CRAWFORD, SUZANNE, (1985)** *History and Humanities, B.A., M.A., Ph.D., University of Oklahoma.*
- CROSSON, FRANK, (1984)** *Health and Physical Education, B.S., M.S., Pittsburgh State University.*
- CULBERSON, JOHN, (1985)** *Military Science, Master Sergeant, Principal Drill Instructor.*
- DANESHI, TAHEREH, (1980)** *Mathematical Sciences, B.S., Tehran University; M.S., Oklahoma State University; Ph.D., Texas Christian University.*
- DEETZ, KRISTY, (1985)** *Art, B.F.A., Bowling Green State University; M.F.A., Ohio State University.*
- DAVIS, DON, C., (1980)** *President, B.A., J.D., University of Oklahoma.*
- DIAZ, VICTOR FABRI, (1983)** *Languages and Communication, B.S., Universidad Javeriana, Bogota, Columbia; M.A., Wichita State University.*
- DILLON, CONNIE, (1984)** *Director, Academic and Institutional Media Services, B.S., Oklahoma State University, M.P.A., Ph.D., University of Oklahoma.*

- DOANE, BENNIE, (1975)** *Agriculture*, B.S., Oklahoma State University; M.S., University of Illinois.
- DOHERTY, JAMES J., (1985)** *Accounting and Finance*, B.S.B.A., Boston College.
- DOLE, LYNN, (1984)** *Nursing*, B.S.N., University of Oklahoma; M.S., Iowa State University.
- DORRIS, CHERYL A., (1984)** *Supervisor of Testing*, B.A., M.S., Oklahoma State University.
- DOUGHERTY, CORNELIUS, (1985)** *Health and Physical Education*, B.S., Cameron University.
- DUGGINS, CHARLES F., JR., (1982)** *Biological Sciences*, B.A., Jacksonville University; M.S., Florida Atlantic University; Ph.D., Florida State University.
- DULIN, JUDY D., (1983)** *Nursing*, B.S.N., Murray State University; M.N., University of Washington.
- ELLIS, KENNETH, (1974)** *Education and Psychology*, B.S., East Central State University; M.S., Ed.D., University of Oklahoma.
- ELKINS, CHARLES R., (1962)** *Director of Continuing Education*, B.S., Oklahoma State University; M.Ed., University of Oklahoma.
- EPPERSON, WAYNE E., (1968)** *Biological Sciences*, B.S., M.S., Ph.D., Oklahoma State University.
- EVERS, DONNA, (1982)** *Languages and Communication*, B.A., M.A., University of Oklahoma.
- FARMER, LOYAL, (1963)** *Mathematical Sciences*, B.S., Northeastern State College; M.S., Florida State University; Ed.D., North Texas State University.
- FENNEMA, DAVID H., (1983)** *Chairman, Theatre Arts*, B.S., M.A., University of Wisconsin; Ph.D., Indiana University.
- FINKE, WILLIAM C., (1966)** *Physical Science*, B.S., Southeastern State College; M.T., Southwestern State College; Ph.D., University of Oklahoma.
- FLETCHER, WILLIAM, (1964)** *Music*, B.M., M.M., University of Michigan.
- GEORGE, DICK L., (1985)** *Chairman, Mathematical Sciences*, B.S., Oklahoma State University; Ph.D., Duke University.
- GOODE, DEBORAH E., (1976)** *Computer Services, Coordinator of Administrative Systems*, A.S., B.S., Cameron University.
- GRANT, CHARLES A., (1983)** *Director of Security*, B.A., Cameron University.
- GRONER, STEPHEN K., (1983)** *Computer Services, Analyst/Programmer*, A.S., B.S., Cameron University.
- GUNKEL, DAN, (1982)** *Health and Physical Education*, B.S., M.S., Fort Hays Kansas State University.
- HAGEE, GALE L., (1984)** *Agriculture*, B.S., M.S., Ph.D., University of Missouri-Columbia.
- HAJEK, FRANCIS B., (1968)** *Mathematical Sciences*, B.S., Peru State College; M.S., Kansas State University; M.S., Ed.D., Oklahoma State University.
- HARWOOD, WILLIAM, (1969)** *Physical Science*, B.S., Trinity University; M.A., Ph.D., University of Texas.
- HAWK, IRA L., (1968)** *Chairman, Physical Science*, B.S., M.S., Oklahoma State University; Ph.D., Baylor University.
- HEFLIN, JAMES L., (1985)** *Communications*, B.A., Mississippi College; M.S., Ph.D., University of Southern Mississippi.
- HELLWIG, BONNIE, (1983)** *Computer Services, Operator/Programmer*, B.A., Cameron University.
- HENSON, JAMES C., (1984)** *Military Science*, Sergeant Major, Chief Instructor.
- HICKMAN, JACK L., (1976)** *Sociology*, B.S., M.S., Brigham Young University; Ph.D., Utah State University.

- HICKS, DOROTHY, (1970)** *Technology*, B.S., Southwestern State College; M.Ed., University of Oklahoma.
- HICKS, J. C., (1968)** *Communications*, B.S., B.A., Southwestern State College; M.A., Ph.D., University of Oklahoma.
- HIGGINS, DAVID M., (1985)** *English*, B.A., SUNY at Brockport; M.A., Ph.D., Bowling Green State University.
- HILL, EDNA, (1976)** *Nursing*, R.N., Wesley School of Nursing.
- HISLE, ROGER, D., (1983)** *Military Science*, Staff Sergeant, Administrative NCO.
- HOFMANN, N. SCOTT, (1979)** *Theatre Arts*, B.A., Westminster College; M.A., University of Washington.
- HOLLOWAY, ROBERT, (1977)** *Political Science*, B.S., Cameron University; B.A., University of Science and Arts of Oklahoma; M.A., University of Oklahoma.
- HOLMES, LEIGH, (1975)** *English*, B.S., University of Florida; M.A., University of Missouri; Ph.D., University of Kansas.
- HOPKINS, HOWARD R., (1968)** *Biological Sciences*, B.S., M.S., Penn State University; Ph.D., Oklahoma State University.
- HOPKINS, SCOTT, (1976)** *Chairman, Education and Psychology*, B.S., East Central State University; M.T., Northeastern State University; Ed.D., Oklahoma State University.
- HORMANN, VIRGINIA, (1980)** *Physical Science*, B.S., Cameron University; M.S., Southwestern Oklahoma State University.
- HORNER, JAMES, (1976)** *Accounting and Finance*, B.B.A., West Texas State University; M.S., North Texas State University, Ph.D., University of Texas at Dallas.
- HUCKABAY, GARY, (1974)** *Mathematical Science*, B.S., Southwestern State College; M.A., University of Missouri; Ph.D., Oklahoma State University.
- HUFFINE, EDWIN, (1985)** *Physical Science*, B.S., Cameron University.
- HUNTINGTON, LINN ANN, (1984)** *Languages and Communication*, B.A., M.A., University of Oklahoma.
- IHLER, RON, (1982)** *Health and Physical Education*, B.S., M.S., South Dakota State University.
- JACOBS, ARLENE, (1985)** *Library, Assistant Director Public Services*, B.A., Marquette University; M.S.L.S., University of Wisconsin.
- JAMES, WILLIAM, (1975)** *Education and Psychology*, B.S.Ed., M.T., East Central State University; Ed.D., Oklahoma State University.
- JARVIS, RONALD, (1981)** *Director of Physical Facilities*, A.S., Cameron University; B.S., Southwestern State University; M.S., University of Oklahoma.
- JENSEN, LESTER D., (1964)** *Health and Physical Education*, B.S., East Central State College; M.T., Southwestern State College.
- JETER, JOHN S., (1968)** *Accounting and Finance*, B.S., Harding College; M.B.A., University of Arkansas.
- JOHNSON, STEVEN, (1977)** *Accounting and Finance*, B.S., Northwestern State University of Louisiana; M.S., Ph.D., Louisiana Tech University.
- JONES, CAROLYN, (1974)** *Nursing*, B.S.N., St. Louis University; M.S.N., University of Oklahoma.
- JONES, GAIL, (1969)** *Technology*, A.S., B.S., M.S., Oklahoma State University.
- JONES, JOE LEE, (1976)** *Health and Physical Education*, B.S., Oklahoma Baptist University; M.T., Southwestern Oklahoma State University.
- KENDALL, BONNIE, (1961)** *Business Manager*, B.S., Cameron University.
- KENNEDY, IRA E., (1965)** *Agriculture*, B.S., M.S., Oklahoma State University.
- KERVIN, SHELBY, (1975)** *Political Science*, A.S., B.S., Cameron University; M.A., University of Oklahoma.

- KEYSER, DOROTHY, (1984)** *Theatre Arts*, B.A., University of Texas (El Paso); M.A., Southern Illinois University; M.M., Northern Illinois University.
- KOLL, KURTIS, (1978)** *Physical Science*, B.S., Iowa State University; M.S., Southwestern Oklahoma State University.
- LAIR, MARILYN J., (1968)** *Administrative Sciences*, B.S., Oklahoma College of Liberal Arts; Ph.D., University of Oklahoma.
- LAMBERT, JAMES W., (1976)** *Chairman, Music*, B.M.E., Baylor University; M.M., University of North Carolina; D.M.A., University of Oklahoma.
- LANSDOWN, BETTE B., (1972)** *English*, A.B., Northwestern State College; Ed.M., Phillips University.
- LAVENDER, KEITH, (1968)** *Health and Physical Education*, B.S., M.Ed., East Central State College; M.T., Southwestern State College.
- LEE, WILLIAM, (1971)** *Counselor*, B.S., Langston University; M.T., Southwestern State College.
- LEES, GREGORY, (1984)** *Health and Physical Education*, B.S., M.A., University of Colorado.
- LIONTAS, KATHERINE, (1984)** *Art*, B.S., Southern Connecticut State University; M.F.A., Texas Tech University.
- LONGMORE, MYRON J., (1974)** *Director of Research*, B.S., University of Nebraska; M.S., Penn State University.
- LORING, RUTH, (1985)** *Education and Psychology*, B.A., Baylor University; M.Ed., North Texas State University.
- LUCAS, LEANDREA, (1985)** *Information Services Librarian*, B.S., Mississippi Valley State University, M.L.S., University of Mississippi.
- MCBETH, RITA M., (1984)** *Mathematical Sciences*, B.S.E., Northeast Missouri State University; M.A., Northeast Missouri State University.
- MCCOLLOM, TOM, (1959)** *Music*, B.M., Oklahoma State University; M.M., Yale University; D.M.E., University of Oklahoma.
- MCCRUDER, MARK L., (1985)** *Military Science*, Captain, B.S., United States Military Academy.
- MCKELLIPS, KAREN, (1968)** *Education and Psychology*, B.S., Southwestern State University; M.S., Ed.D., Oklahoma State University.
- MCKELLIPS, TERRAL, (1968)** *Head, Division of Mathematical and Applied Sciences*, B.S., Southwestern State College; M.S., Ed.D., Oklahoma State University.
- MCKEOWN, LOREN F., (1969)** *English*, B.A., M.Ed., University of Oklahoma; Ed.D., Oklahoma State University.
- MCKINLEY, M., LOUISE, (1970)** *Home Economics*, B.S., M.Ed., University of Oklahoma; Ed.D., Oklahoma State University.
- MCMAHAN, MARGIE, (1973)** *Home Economics*, B.S., Oklahoma State University; M.Ed., Ed.D., University of Oklahoma.
- MCPHAUL, CORLIS, (1980)** *Personnel Specialist*, B.S., Cameron University.
- MCSWEENEY, JEAN, (1980)** *Nursing*, R.N., Akron City Hospital School of Nursing, OH; B.S.N., Cameron University; M.S.N., University of Texas.
- MAPLES, VAL D., (1957)** *Health and Physical Education*, B.S., Southwestern State College; M.S., Oklahoma State University.
- MARTIN, SHIRLEY, (1969)** *Music*, B.A., University of Northern Iowa; M.A., Claremont Graduate School.
- MARTINEZ, JOHN, (1973)** *Accounting and Finance*, B.A., University of Texas; M.S., Ph.D., University of Oklahoma.
- MASON, KATIE H., (1984)** *Assistant Business Manager*, B.S.B.A., University of Albuquerque; C.P.A.

- MATHIS, JANICE M., (1975)** *Technology*, B.S., Southwestern Missouri State University; M.S., University of Missouri.
- MELTON, ANGELA, (1983)** *Computer Services*, PME Analyst/Programmer, A.S., B.A., Cameron University.
- MERAZ, EMMETT, (1959)** *Mathematical Sciences*, B.S., Southeastern State College; M.E., University of Oklahoma.
- MERRITT, MARTHELLE, (1967)** *Home Economics*, B.S., M.Ed., Ed.D., University of Oklahoma.
- MEYERS, FRANK S., (1981)** *Political Science*, B.S., Cameron University; M.A.P.A., Ph.D., University of Oklahoma.
- MILLER, DAVID H., (1970)** *Head, Division of Social Sciences*, B.A., M.A., University of Utah; Ph.D., University of New Mexico.
- MILLER, SYLVIA A., (1978)** *Administrative Sciences*, B.A., Southeastern Louisiana University; M.A., University of New Mexico; M.B.A., University of Oklahoma.
- MOINIAN, FERIDOON, (1983)** *Mathematical Sciences*, B.A., Institute of Advanced Accounting, Tehran; M.S., University of Oklahoma.
- MOOTS, JOHN, (1973)** *Music*, B.M.E., M.M.E., Wichita State University.
- MORRIS, JAMES KENT, (1968)** *Mathematical Sciences*, B.S., Southwestern State College; M.T., Central State College; Ed.D., North Texas State University.
- MORSE, JANE M., (1984)** *Education and Psychology*, B.A., University of Tulas; M.S., Queens College of the City University of New York; Ed.D., Rutgers University.
- MOSELEY, DON, (1985)** *Health and Physical Education*, B.S., University of Oklahoma; M.S., University of Arizona.
- MUSSELEWHITE, LYNN RAY, (1971)** *History and Humanities*, B.A., Abilene Christian College; M.A., Ph.D., Texas Tech University.
- NABER, BRIAN, (1984)** *Health and Physical Education*, B.S., M.A., University of Northern Colorado.
- NALLEY, ELIZABETH ANN, (1969)** *Physical Science*, B.S., Northeastern Oklahoma State University; M.S., Oklahoma State University; Ph.D., Texas Woman's University.
- NEASON, ANNA BETH, (1984)** *Agriculture*, B.S., M.S., Texas A & M University; Ph.D., Iowa State University.
- NETHERLAND, EDWIN LANE, (1972)** *Biological Sciences*, B.S., Huntington College; M.S., Ed.D., Oklahoma State University.
- NEWELL, SHERRY ANNE, (1975)** *English*, B.A., B.S., Baker University; M.A., University of Kansas.
- NORMAN, MARK R., (1985)** *Communications*, B.A., Northwestern Oklahoma State University; M.S., Oklahoma State University.
- O'LEARY, CHARLES J., (1985)** *Sociology*, B.A., M.A., Ph.D., University of Missouri.
- ORR, JACK, (1966)** *Biological Sciences*, B.A., Harding College; M.Nat.Sci., University of Oklahoma.
- PARKER, DEWEY, (1970)** *Education and Psychology*, B.A., Central State University; M.Ed., Ed.D., University of Oklahoma.
- PAZOURECK, REBECCA L., (1978)** *Home Economics*, B.A., James Madison University; Dietetic Internship., Virginia Commonwealth University; M.S., University of Oklahoma.
- PHILLIPS, DONALD S., (1979)** *Chairman, Technology*, B.S., M.S., Ed.D., Oklahoma State University.
- PHILLIPS, JAMES EDDIE, (1967)** *Mathematical Sciences*, B.S., M.E., University of Oklahoma; M.A., Louisiana State University.
- PHILLIPS, ROBERT S., (1974)** *Director of Library Services*, B.A., Bethany Nazarene College; M.L.S., University of Oklahoma.

- PICKTHORN, BARBARA, (1977)** *Library, Assistant Director of Technical Services*, B.A., M.L.S., North Texas State University.
- PICKTHORN, DAVID, (1975)** *Music*, B.M., North Texas State University; M.S., Kansas State University; D.M.A., North Texas State University.
- PRICE, RONALD, (1984)** *Communications*, B.A., M.A., Abilene Christian University.
- PRICHARD, CHARLES H., (1971)** *Education & Psychology*, B.A., M.T., Central State University; Ed.D., Oklahoma State University.
- RABURN, JOSEPHINE, (1967)** *Head, Division of Language Arts*, B.S., M.L.S., Ph.D., University of Oklahoma.
- RADCLIFFE, STANLEY, (1968)** *Music*, B.A., M.S., Colorado State College.
- RAMSEY, WILLIAM, (1981)** *Accounting and Finance*, B.G.S., University of Nebraska at Omaha; B.S., Cameron University, J.D., University of Oklahoma.
- REEDER, BETTY, (1984)** *Administrative Sciences*, B.S., M.S., University of Arizona.
- RICHEY, ROBERT, (1970)** *Director of Financial Aids*, B.S., M.T., Southwestern State College.
- RIECK, CHARLES E., (1982)** *Agriculture*, B.S., M.S., Oklahoma State University, Ph.D., University of Nebraska.
- ROBINSON, HAROLD, (1983)** *Assistant Director, Physical Facilities*.
- ROGERS, DEBORAH L., (1983)** *Administrative Assistant to Business Manager*, B.B.A., Howard University.
- RUBIN, MARY, (1973)** *Education and Psychology*, B.S.Ed., Arizona State University; M.Ed., University of Arizona.
- RUSSELL, TOM, (1974)** *Technology*, A.S., B.S., Cameron University; C.D.P., Institute for Certification for Computer Professionals.
- SCHEIBLE, DAN, (1984)** *Health and Physical Education*, B.S., M.A., Northwest Missouri State University.
- SCOTT, BARBARA, (1979)** *Art*, B.A., Queens College, (Charlotte, N.C.); M.L.S., Ph.D., University of Oklahoma.
- SEAMANS, ELDON L., (1968)** *Sociology*, B.A., Maryville College; M.Div., McCormick Theological Seminary.
- SEYMOUR, C. JACK, (1965)** *Director of Admissions and Records*, B.A., Kearney State College; M.T., Central State College.
- SEYMOUR, WANDA SUE, (1974)** *Chairman, Administrative Sciences*, B.S., M.S., Ed.D., Oklahoma State University.
- SHAHAN, BILL G., (1967)** *Chairman, Health and Physical Education*, B.S., M.T., Central State University.
- SHANAHAN, LAWRENCE B., (1972)** *English*, B.S., M.A., Marquette University; Ph.D., University of Wisconsin.
- SHANAHAN, MARY S., (1972)** *English*, B.S., M.S., Ph.D., University of Wisconsin.
- SHEETS, BOBBY, (1980)** *Accounting and Finance*, B.S., M.B.A., Southwestern State University; C.P.A., State of Oklahoma.
- SIMPSON, PHILLIP M., (1971)** *Chairman, Political Science*, B.A., M.A., North Texas State University; Ph.D., University of Arizona.
- SIRCY, OTICE C., (1968)** *English*, B.A., University of Texas; M.A., North Texas State University.
- SIRCY, VIRGINIA, (1968)** *Music*, B.M., North Texas State University; M.M., Michigan State University; D.M.A., North Texas State University.

- SKRDLE, NANCY, (1969)** *Serials Librarian*, B.S., Oklahoma College for Women; M.L.S., University of Oklahoma.
- SLABAUGH, WILBUR, (1985)** *Military Science*, Staff Sergeant, Supply Sergeant.
- SMITH, ARTHUR, (1969)** *Music*, B.M., M.M., Cincinnati Conservatory of Music; D.M.E., University of Oklahoma.
- SMITH, CHARLES WAYNE, (1970)** *Vice President for Academic Affairs (Social Science)*, B.S., William Carey College; M.A., Ph.D., University of Southern Mississippi.
- SMITH, GEORGE F., (1969)** *Music*, B.M.E., M.M.E., University of Oklahoma; Ed.D., North Texas State University.
- SNIDER, THEODORE, (1968)** *Physical Science*, B.S., M.S., Kansas State College of Pittsburgh; Ph.D., Oklahoma State University.
- SOLSTAD, KENNETH, (1972)** *English*, B.A., Yale University; M.A., Ph.D., University of California at Berkeley.
- SPEARS, DAVID R., (1977)** *Chairman, Accounting and Finance*, B.S., M.S., Texas Christian University; Ph.D., University of Texas at Arlington.
- SPEARS, JOHN, (1976)** *Health and Physical Education*, B.S., M.T., Southwestern Oklahoma State University.
- SPESSARD, MILTON L., (1964)** *Information Services Librarian*, B.B.A., M.L.S., University of Oklahoma.
- SPRADLEY, TERRY P., (1966)**, *Technology*, B.A., Oklahoma City University; M.S., Ed.D., Oklahoma State University.
- STANLEY, GEORGE E., (1970)** *Chairman, Languages and Communication*, B.A., M.A., Texas Tech University; D.Litt., University of Port Elizabeth (South Africa).
- STANTON, JIMMY H., (1968)** *Physical Science*, B.S., Delta State College; Ph.D., University of Mississippi.
- STEGALL, R. CARROLL, (1981)** *Music*, B.A., Wake Forest University; M.M., Manhattan School of Music; Ph.D., University of Iowa.
- STEGMAIER, MARK J., (1975)** *History and Humanities*, B.A., University of Santa Clara; M.A., Ph.D., University of California at Santa Barbara.
- STERLING, JOHN, (1971)** *Comptroller*, B.S., East Central State College, CPA.
- STEVENS, MARION D., (1966)** *History and Humanities*, B.A., Northeastern State College; M.A., Eastern New Mexico State University.
- STEVENS, WANDA, (1981)** *Administrative Sciences*, B.A., M.A., Eastern New Mexico State University.
- STEWART, ROBERT, (1985)** *Health & Physical Education*, B.S., Fort Hays State University; M.S., Slippery Rock University.
- SUPINA, PHILIP, (1983)** *Political Science*, B.A., University of Arizona; M.A., John Hopkins University; Ph.D., Boston University; J.D., Gonzaga University.
- SUTHERLIN, TOM, (1972)** *Technology*, A.S., B.S., M.S., Oklahoma State University; Senior Engineering Technician.
- SWOPE, H. JOANN, (1970)** *English*, B.S., M.A., Central Missouri State; Ph.D., Kansas State University.
- TABATABAI, MOHAMMAD, (1984)** *Mathematical Sciences*, B.S., National University of Iran; M.S. (Economics), Florida State University; M.S. (Statistics), Florida State University; Ph.D., Memphis State University.
- TARAPATA, JOHN P., (1982)** *Administrative Sciences*, B.S., M.Ed., Penn State University; M.B.A., North Texas State University.
- THOMAS, CHARLES, (1971)** *Music*, B.M., Southern Methodist University; M.M., University of Oklahoma.

- TYLER, JACK D., (1967)** *Biological Sciences*, B.S., Southwestern State College; M.S., Oklahoma State University, Ph.D., University of Oklahoma.
- TYSON, LAWANDA, (1971)** *Education and Psychology*, B.S., East Texas Baptist College; M.Ed., Ph.D., East Texas University.
- VAN SCHUYVER, BILLYE, (1981)** *Head, Division of Educational and Behavioral Arts and Sciences*, B.L.S., University of Oklahoma; M.A.T., Oklahoma City University; Ph.D., University of Oklahoma.
- VOWELL, BOBBY GENE, (1964)** *Head, Division of Natural Sciences and Health*, B.S., Oklahoma State University; M.S., University of Oklahoma; Ed.D., Oklahoma State University.
- WADE, LISA M., (1982)** *Coordinator of High School and University Relations*, B.A., Maryville College.
- WAGNER, HARRY, (1969)** *Mathematical Sciences*, B.S., Naval Postgraduate School; M.S., Kansas State Teachers College; Ed.D., University of Arkansas.
- WARREN, L. BENSON, (1974)** *Art*, B.S., M.A., M.F.A., Stephen F. Austin State University.
- WENSORSKI, JOHN, (1985)** *History and Humanities*, B.A., Cameron University; M.A., Oklahoma State University.
- WHISENHUNT, J. DEE, (1984)** *Coordinator of Advisement*, B.B.A., West Texas State University; M.B.A., Oklahoma City University.
- WHITE, DONNA B., (1974)** *Education and Psychology*, B.A., Texas Woman's University; M.S., East Texas State University.
- WHITELEY, LOUIS GUY, (1972)** *Financial Aids*, B.S., Central State College.
- WHITELEY, RALPH W., (1969)** *Languages and Communication, Director, Writing Lab*, Central State College; M.A., Western Colorado State College.
- WILLIAMS, SUSAN, (1984)** *Assistant Director of Educational Outreach*, B.A., Cameron University.
- WILSON, WAYNE, (1978)** *Administrative Sciences*, B.A., M.B.A., Inter-American University, Ph.D., University of Oklahoma.
- WILSON, VICKI, (1972)** *Health and Physical Education*, B.S., San Francisco State; M.S., University of Oklahoma.
- WOODARD, FRANCIS M., (1982)** *Chairman, Sociology*, B.S., M.S., Ph.D., Brigham Young University.
- WORTHINGTON, RITA, (1982)** *Nursing*, B.S.N., Cameron University.
- YOUNG, CARLA, (1984)** *Mathematical Sciences*, B.A., Erskine College; M.A.T., Georgia State University.
- ZELBST, CINDY, (1982)** *Coordinator of Special Services*, B.S., Oklahoma State University.
- ZIEGLER, ROBERT, (1968)** *Chairman, Biological Sciences*, B.S., M.S., Fort Hays State College.
- ZISMAN, ALLEN L., (1979)** *Personnel Director*, B.S., Central State College; M.E., University of Oklahoma.

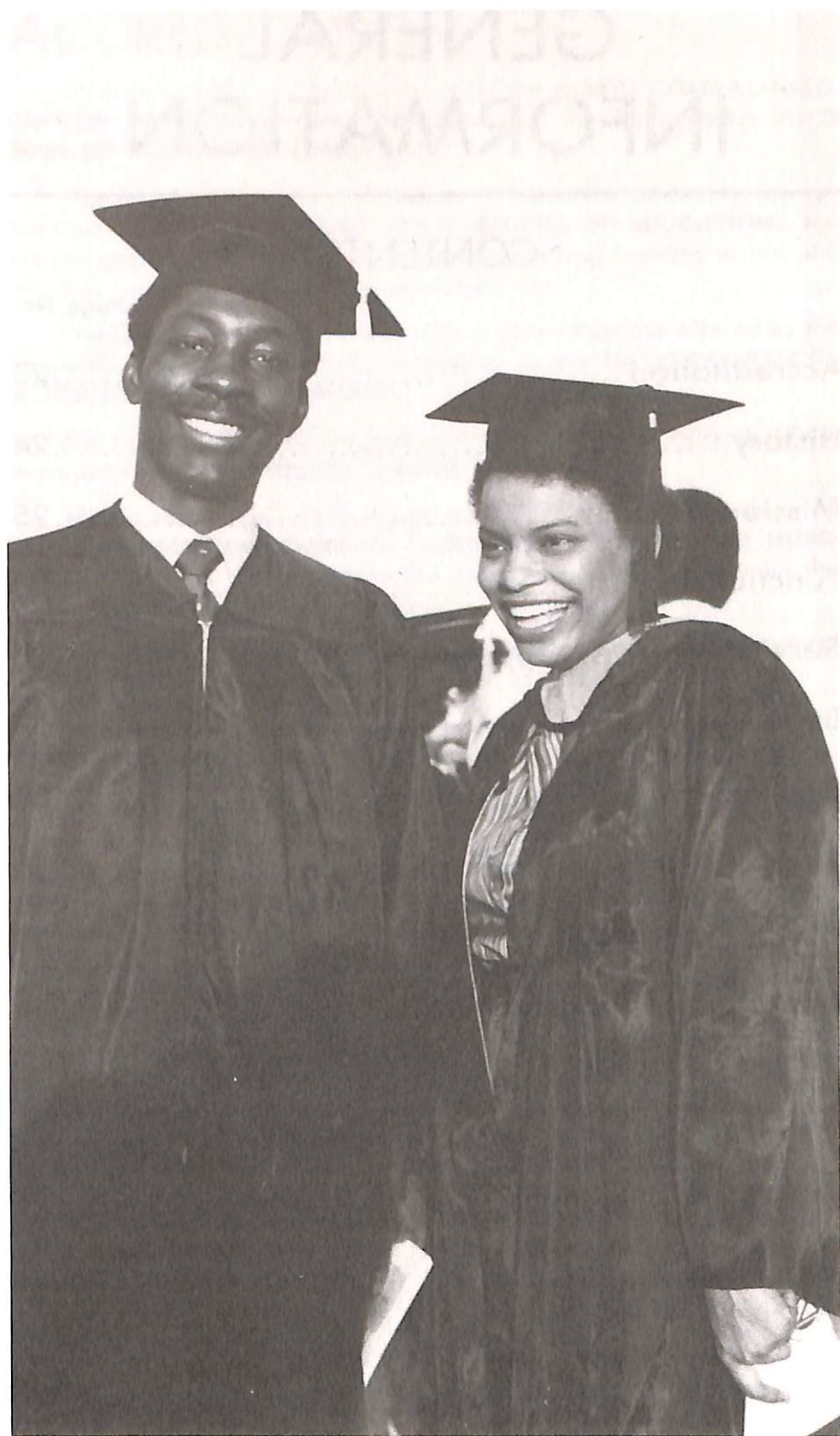
EMERITUS FACULTY

- ANDRUS, CHARLES, (1967)** *Social Science*, A.B., Park College; M.Div., Louisville Presbyterian Theological Seminary. 1978.
- BEAVERS, BLANCHE, (1942)** *Business*, B.S., Oklahoma College for Women; M.C.E., University of Oklahoma; Graduate Study, Universities of Texas, Texas Tech and Mississippi. 1975.

- BREWER, BURNEY, H., (1959)** *Social Science*, B.S., Central State University; M.Ed., University of Oklahoma. 1982.
- CLAIBORNE, RAY, (1967)** *Social Science*, B.S., Central State University; M.Ed., University of Oklahoma. 1970.
- ELLIOTT, HELEN, (1940)** *History and Government*, B.A., McPherson College; M.A., University of Kansas; Graduate Study, University of Oklahoma and University of Southern California. 1970.
- FARRAR, ARTHUR, (1968)** *Business*, B.S., Southwestern State University; M.S., Colorado College of Education; Ed.D., University of Oklahoma. 1978.
- GRAY, THOMAS A., (1966)** *Language Arts*, B.A., Milligan College; M.T., Southwestern State University. 1975.
- HINES, JESSIE MAY, (1946)** *Language Arts*, B.A., Central State University; M.A., Oklahoma State University. 1972.
- LYNN, CLARK, JR., (1966)** *Language Arts*, B.S., U.S. Military Academy; M.Ed., University of Oklahoma. 1978.
- McCOY, DOYLE, (1969)** *Biology*, B.S., East Central State University; M.S., University of Oklahoma; Ph.D., Oklahoma State University. 1982.
- McKEE, FREEMAN, (1971)** *Institutional Research*, B.S., Panhandle A & M College; M.S., Ed.D., Oklahoma State University. 1979.
- McKINZEY, JO MEECE, (1965)** *Language Arts*, B.A., Southwestern State University; M.A., Western State College of Colorado. 1976.
- OWEN, DON, (1969)** *President*, B.S., Central State University; Ed.M., Ed.D., University of Oklahoma. 1980.
- PAINE, GORDON, (1948)** *Registrar*, B.A., M.S., University of Oklahoma. 1970.
- PROPHET, DONALD P., (1947)** *Agriculture*, B.S., M.S., Oklahoma State University. 1982.
- PUGH, NEVA, (1969)** *Education and Psychology*, B.S., Southwestern State University; M.Ed., Ed.D., Oklahoma University. 1973.
- SEALS, THELMA JOLLY, (1959)** *Physical Science*, B.S., Oklahoma State University; M.Ed., University of Oklahoma; M.S., Oklahoma State University. 1978.
- TERRY, TAYLOR BROOKS, (1965)** *Language Arts*, B.A., Southern Methodist University; M.A., University of Texas at El Paso. 1982.
- TOBIAS, DOROTHY, (1943)** *Physical Science*, B.S., M.S., Oklahoma State University. 1971.
- TODD, FLAKE, (1969)** *Business Manager*, B.A., Central State University; M.E., University of Oklahoma. 1980.

ADJUNCT FACULTY MEDICAL TECHNOLOGY

- Silva, Teresa** — Presbyterian Hospital, Oklahoma City, OK.
- Dix, Robert** — Comanche County Memorial Hospital, Lawton, OK.
- Lewis, Slada** — Comanche County Memorial Hospital, Lawton, OK.
- Jackson, Gary** — Comanche County Memorial Hospital, Lawton, OK.



GENERAL INFORMATION

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ACCREDITATION

Cameron University is accredited by the **NORTH CENTRAL ASSOCIATION OF COLLEGES AND SCHOOLS** and the **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION**.

The Teacher Education programs at Cameron University are accredited by the **OKLAHOMA STATE BOARD OF EDUCATION**. Approved graduates are recommended for teaching licenses in the elementary and secondary schools of Oklahoma.

The Bachelor of Arts and Bachelor of Music Degrees offered by the Department of Music are fully accredited by the **NATIONAL ASSOCIATION OF SCHOOLS OF MUSIC**.

The Associate Degree Program of the Department of Nursing is fully accredited by the **NATIONAL LEAGUE FOR NURSING**.

The Cameron University Department of Nursing is also approved by the **OKLAHOMA BOARD OF NURSE REGISTRATION AND NURSING EDUCATION**. Graduates of this program are eligible to take the NCLEX for registered nurse licensure.

Each hospital utilized for nursing clinical experience is accredited by the Joint Commission on Accreditation of Hospitals.

The Design Drafting curriculum is certified by the **AMERICAN INSTITUTE FOR DESIGN AND DRAFTING** at the Design Drafter level.

HISTORY

The history of Cameron University corresponds to the history of the territory which it serves; early-day residents of southwestern Oklahoma vigorously demanded and supported plans for educational opportunities for their children. Since high schools during the pioneer period of the area were few in number and were often located in remote areas, many students desiring higher education were denied the opportunity because of limited facilities and limiting economic factors. The history of Cameron reflects the fulfillment of this pioneer desire for education for young people.

On May 20, 1908, the State Legislature of Oklahoma created six district agricultural schools of a secondary grade for instruction in agriculture and mechanics and allied branches in each Supreme Court Judicial District. The law stated that for each school established no less than eighty acres of land would be provided without cost to the State. These schools were to be under the administration of the State Commission of Agriculture and Industrial Education.

Realizing the need for such a school in the area, and desiring a school of this type in Lawton, a group of businessmen, working with the Chamber of Commerce, purchased 160 acres of land two miles west of the City and presented it to the State as an inducement to the State's locating the school at Lawton.

Cameron State School of Agriculture, named for E. D. Cameron, then State Superintendent of Schools, was located temporarily in the basement of a Lawton business building. In November, 1909, the school opened with a faculty of six members and a student body of one hundred and eight students. In March, 1911, the institution moved into a three-story brick building on the present site of Cameron.

Junior College work was added by an act of the Legislature passed on March 24, 1927, at which time the name of Cameron State Agriculture College was adopted. During the period from 1927 to 1940, both high school courses and college work were offered, with the first Junior College graduation occurring in 1929. In 1940, all high school work was discontinued, and Cameron assumed status as a two-year Junior College. Operating under the Oklahoma State System of Higher Education since 1941, the college has continued to implement its pioneer heritage.

In September, 1966, the Oklahoma State Regents for Higher Education changed the functions of Cameron by adding baccalaureate degree programs. A mission analysis and an extensive feasibility study were made by the faculty and staff of the college and the Regents' staff. The resulting statement of functions was approved by the Regents on June 27, 1967, and called for the provision of educational services of a senior college for this region with special emphasis on the needs of military personnel at Fort Sill.

The transition began shortly thereafter with the first baccalaureate degree being awarded in May, 1970. In April, 1971, the name of the institution was changed from Cameron State Agricultural College to Cameron College.

Three years later, in May, 1974, the Oklahoma Legislature redesignated Cameron College as Cameron University. The change of name was made without changing any of the major functions that had been assigned in June, 1967.

MISSION

Cameron University is a multi-purpose state-supported university whose mission is to offer appropriate educational programs to the approximately 250,000 persons living in its service area of the eleven counties of southwestern Oklahoma. One of Oklahoma's seven regional universities, Cameron is the only institution in this service area to offer **both** associate degree programs and baccalaureate degree programs. The university recognizes that the educational process includes the development of the intellectual, cultural, social, physical, moral and occupational capacities of persons who participate in its programs and activities. The objectives of the university are to assist its students and other persons living in its service area in acquiring the skills, knowledge, values and attitudes that will enable them to lead more creative, productive and self-fulfilling lives. In pursuit of these objectives, the university has established three areas of commitment and service.

1. Education for Effective Living

This area of the student's education is designed to provide common experiences which are needed by all citizens. It encourages the student to think clearly, creatively and critically about those problems confronting the individual and his society; it stimulates the student to seek more knowledge, develop more tolerance and acquire greater awareness of the world community; it assists the student in making contributions to the groups of which society is composed; and it fosters within the student the desire to continue the pursuit of knowledge whereby a better understanding of self and society is afforded. The university seeks to facilitate this aspect of the student's education through required general education courses in communications, mathematics, natural sciences, American history and political science, humanities, behavioral science, economics and physical education activities. In addition, students may pursue degree programs for the purpose of enhancing effective living.

2. Education for Specialized Fields of Endeavor

The purpose of specialized education is to develop the technical and professional competencies of individuals in order that they meet the demands and requirements of modern professions. The university is committed to specialized education in three realms:

a. Arts and Science Baccalaureate Programs

Arts and Sciences education provides for a comprehensive background and concentrated investigation in one or more disciplines. The Arts and Sciences curricula prepare the student for entrance into professions, for further professional training or for graduate study. The university seeks to facilitate this aspect of the student's education by offering curricula leading to the degrees of Bachelor of Arts, Bachelor of Science or Bachelor of Science in Nursing.

b. Occupational Associate Degree Programs

The university recognizes that occupational preparation in a post-secondary education program having less than a baccalaureate objective is an essential part of meeting the mission of the university and the needs of individuals and of society. The university seeks to facilitate this aspect of the student's education by offering curricula culminating in Associate Degrees in Science, Nursing or Technology.

c. Teacher Education

The purpose of the teacher education program is to assist in the development of effective members of the teaching profession. The university seeks to facilitate this aspect of the student's education by offering both course work and practical experiences in professional teacher education curricula and in specialized programs in Elementary Education, Secondary Education and Elementary-Secondary Education. Students who have successfully completed these programs may be recommended to the State Department of Education for Oklahoma state teaching credentials at the elementary, secondary, or elementary-secondary level.

3. Education Through Community Service

The university serves individuals, businesses, industries and professions in the service area by making available, on campus and in the community, facilities and personnel who organize, promote and participate in both credit and non-credit conferences, institutes, workshops and vocational and extension courses. In addition, individual university personnel serve as resource persons for the community. The university also provides facilities and personnel for lectures, musical and dramatic productions, art exhibits and intercollegiate athletics. The university supports research projects appropriate to the university and outside agencies by providing released time, research facilities and personnel support.

FUNCTIONS

On June 23, 1983, the Oklahoma State Regents for Higher Education officially adopted the following statement of functions for Cameron University:

1. To provide the educational programs of a senior college for the people living in the eleven counties of Southwest Oklahoma.
2. To provide a program of general education for all students designed to provide common experiences which are needed by all citizens if they are to live productively.
3. To provide programs of instruction in the liberal arts and sciences culminating in the awarding of Bachelor of Arts, Bachelor of Science or Bachelor of Specialty degrees.
4. To provide programs, involving both course work and practical experiences, designed to assist in the development of effective elementary, secondary or elementary-secondary teachers.
5. To provide pre-professional course work and advisement for students planning to complete professional programs at other colleges and universities.
6. To provide post-secondary programs having less than a baccalaureate objective in technical and occupational education culminating in the awarding of Associate Degrees in Science, Nursing, or Technology.
7. To provide community services including programs of continuing education, both for credit and non-credit, cultural productions and special events designed to improve the intellectual, cultural, physical, moral, economic and occupational capacities of the people of Southwest Oklahoma.

8. To provide programs of instruction for military personnel, including those persons stationed at Fort Sill and other military installations in the region and those who desire to pursue Reserve Officers' Training programs.
9. To provide facilities, encouragement and financial support for faculty, student and constituent research projects.

SERVICEMEMBERS OPPORTUNITY COLLEGE (SOC)

Cameron University has been designated as a Servicemembers Opportunity College. Sponsored by the American Association of State Colleges and Universities, the Servicemembers Opportunity College Project (SOC) represents a commitment to education for the military. This network of institutions with similar admissions, transfer and residence requirements and policies allows servicemembers to move from random educational activities into program-completion efforts. It allows maximum coordination of opportunities among institutions.

EXPENSES

FEES

All students are charged a general fee which includes charges for registration, library and classroom and laboratory instruction. Special fees are charged for other services which are made available to students. The rates for both general and special fees are set by the Oklahoma State Regents for Higher Education and are subject to periodic review and revision.

GENERAL FEES:

Oklahoma Residents	
Lower Division	\$20.45 per semester hour
Upper Division	21.80 per semester hour
Non-resident of Oklahoma	
Lower Division	53.15 per semester hour
Upper Division	57.90 per semester hour
Extension Courses Fees	20.00 per semester hour
Audit, Without Credit	Same charge as regular fee

SPECIAL FEES:

Private Lessons in applied music and speech	18.00 per semester hour
Semi-private lessons in applied music and speech	7.50 per semester hour

Private lessons in applied music and speech if not otherwise enrolled	36.00 per semester hour
Art, Data Processing and Physical Education	Cost of materials and/or services used
Science Laboratory courses	Cost of breakage
Advanced Standing Examination	5.00 per credit hour
American College Testing Program	National Testing Agency rate
Late Enrollment fee	1.00 per day (Maximum \$5.00)
Re-enrollment after withdrawal	5.00
Course Change (for each course added or dropped)	1.00
Transcript (per copy after first one)	1.00
Automobile Parking Permit:	
Full year Aug 1 to Jul 31	10.00
Spring and Summer Term Jan 1 to July 31	5.00
Summer Term June 1 to July 31	2.50
Graduation Fee:	
Associate Degree	6.00
Bachelors Degree	10.00
Yearbook Picture (all full-time students)	1.00 per year
Insufficient Check	5.00

REFUNDS

Fall and Spring Semester

- Withdrawal prior to the beginning of the semester, 100% refund.
- Withdrawal during first week of the semester, 80% refund.
- Withdrawal during second week of the semester, 50% refund.
- Withdrawal during third week of the semester, 25% refund.
- Thereafter, no refunds.

Summer Session, Evening Classes

- Withdrawal prior to the beginning of the session, 100% refund.
- Withdrawal after the session begins see current schedule.

Workshops and Intern Sessions

- Withdrawal prior to beginning of workshop, 100% refund.
- Withdrawal after the course begins, no refunds.

ROOM AND BOARD CHARGES

Full-time Cameron University students (those enrolled in twelve or more semester hours during the fall or spring semester or six or more semester hours in a summer term) are required to live in university housing facilities, to the extent that such facilities are available, as follows:

1. Those single students who do not reside in the residence of their parents or legal guardian.
2. Those single students employed by the university who are paid from state funds.
3. Those single students who are the recipients of athletic scholarships.

All students residing on campus must sign a Housing and Food Services Contract. This lease type agreement represents the contractual responsibilities of both the individual and the university. Rates are based on a per person charge.

Current room and board costs for living in university housing may be obtained by writing to: Shepler Center, Cameron University, Lawton, Oklahoma 73505.

Room and board are payable in advance, but arrangements may be made to pay them in four installments rather than paying the whole semester's amount at one time.

Students living in the residence halls are required to take their meals in the university dining hall. The university reserves the right to change at any time the charge for board if any food prices necessitate or permit a change. A meal ticket may be used only by the person purchasing the ticket.

A deposit of twenty dollars (\$20.00) is required for a room reservation. This deposit is to guarantee completion of the contract and is held in reserve during the academic year. It will be applied toward any charge for damage caused by the resident to building or furnishings. If the student has satisfied the contract and has no outstanding damage charges, the deposit will be returned at the end of the academic year or 30 days after the beginning of the Spring semester, unless the student wishes to leave it as a deposit for the following year. Refund of deposit will be made on cancellations prior to the opening of a semester. Specific details regarding this deposit may be obtained from the Business Office.

For additional information concerning housing, write to: Shepler Center, Cameron University, Lawton, Oklahoma 73505.

Refunds of Rent and Board:

Refunds of room and board payments may be made for the following reasons:

1. A cancellation in writing to the Business Office on or before the first day of registration.
2. Nonadmission to the university.
3. Withdrawal or dismissal from the university.
4. Marriage during the term.

Details pertaining to the refunds of room and board payments are contained in the housing contract or may be obtained from the Business Office.

FINANCIAL AIDS

The primary purpose of student financial aid at Cameron University is to provide assistance to students who, without such aid, would be unable to attend college. Cameron has assistance programs in the form of scholarships, grants, loans, and student jobs.

Students intending to apply for financial assistance should contact the Office of Financial Aids well in advance of the time to enter CU. More information on the various kinds of financial aids available can be obtained from the Director of Financial Aids, Cameron University, 2800 West Gore Boulevard, Lawton, OK 73505.

SCHOLARSHIPS

Each year, a limited number of university scholarships are awarded to beginning freshmen and Cameron students. The scholarships are made available by Cameron University and outside organizations through Cameron. Scholarships are awarded on a competitive basis and based upon scholastic ability, financial need, demonstrated high potential in individual studies, athletics or fine arts.

Applicants should contact the Director or Chairperson of the Department in the area in which the scholarship is desired for application forms, scholarship amounts, and deadline dates.

PRESIDENTIAL LEADERS/UNIVERSITY SCHOLARS (PLUS)

A limited number of PLUS Scholarships are awarded to entering freshman students who have demonstrated a high degree of leadership and scholarship ability. The PLUS Scholarship provides for the equivalent of \$1,000 in aid during the Freshman year. Sophomore, Junior and Senior PLUS students receive fee waiver and room scholarships. Members of PLUS investigate and develop their leadership skills through interaction with successful leaders of financial, academic and governmental institutions. An appropriate GPA and participation in designated leadership programs must be met to continue membership within the PLUS program. Application forms may be obtained from the Student Service Office, Cameron University. Deadline date for consideration is March 1. (Required Form. PLUS application form).

BUREAU OF INDIAN AFFAIRS (BIA) SCHOLARSHIPS/GRANTS

The BIA provides annual scholarship grants to Indian students to attend college. In order to qualify students should first make application through their home office for instructions and availability of grants. Most BIA offices will then require students to make application through the university for a need analysis. It is recommended that students desiring assistance contact their home office prior to March 1 for information and deadline dates.

REHABILITATION SCHOLARSHIPS

The Department of Human Services, through the Vocational Rehabilitation Division, offers payment of tuition and other services to students who have certain physical handicaps, provided the vocational objective selected by the student has been approved by a representative of the division. Application for Vocational Rehabilitation should be made to the Vocational Rehabilitation Office, Cameron University, P.O. Box 16338, Lawton, OK 73505.

PRIVATE ORGANIZATION SCHOLARSHIPS

Students should explore the availability of scholarships offered by their home town civic, service and fraternal organizations. The deadline dates and application forms are established by each organization.

ARMY ROTC SCHOLARSHIP PROGRAM

In 1964, Congressional legislation authorized college scholarships for selected students enrolled in the ROTC program. The scholarships are awarded on a competitive basis to help outstanding young people pay for their college education while completing requirements for a commission in the United States Army. Scholarships are available for two, three and four year periods and include the following:

- a. Payment for all tuition, textbooks, fees and other education expenses for the duration of the scholarship.
- b. Payment of \$100 per month subsistence allowances for the duration of the scholarship.

Further information on the scholarship program may be obtained from the Professor of Military Science at Cameron University.

STUDENT EMPLOYMENT

Cameron University offers employment to a limited number of students each year in the laboratories, offices, residence halls and maintenance department. While it is impossible to give employment to all students who apply, it is the policy of the university to assist as many students as possible, enabling them to contribute toward the cost of their college education.

Students seeking on-campus positions should request employment application blanks from the Financial Aids Office. Vacancy listings of on-campus and off-campus part time jobs are available through the Job Location Program (JLP) located in NB 2014.

GRANTS

Federal and state funds are available through Cameron University in the form of educational grants to help students of exceptional financial need pursue a course of undergraduate study. The student must be enrolled or have been accepted for enrollment on at least a half-time basis and must show evidence of academic or creative promise and the ability to maintain good standing.

The grants vary from \$100 to \$1,100 depending on (1) economic need, and (2) amount of assistance provided from non-federal grants, scholarships, loans and student employment.

Application should be made through the Director of Financial Aids, Cameron University, Lawton, Oklahoma 73505.

LOANS

Cameron University is a participant in the National Direct Student Loan and Guaranteed Student Loan programs. If financial need is shown and all federal requirements are met, an applicant could borrow up to \$1,250 per semester.

Applicants must be enrolled or be accepted for enrollment on at least a half-time basis and must show evidence of academic promise and ability to maintain satisfactory academic progress. The repayment

and interest requirements will depend upon the type of loan you applied for and current federal guidelines.

For detailed information about each loan and the required application form, please contact the Office of Financial Aids, Cameron University, Lawton, OK 73505.

VETERANS BENEFITS

Cameron University is certified by the Oklahoma State Accrediting Agency to the Veterans Administration (VA) as an approved training institution for certain veterans, eligible dependents or survivors and active servicemembers who qualify for federally-enacted education benefits administered by the VA.

Cameron University's Veterans Affairs Office (VAO) provides assistance and information on application for benefits, available programs, admission and enrollment, general advisement and counseling and special tutorial services. A primary function of VAO is the certification of student enrollment and attendance to the VA. Eligible students are encouraged to use VAO services in matters pertaining to school and related VA benefits.

Initiation and continuation of VA education benefits are accomplished by eligible students through the VAO. The following information offers general guidelines for current and prospective students. Details and answers to specific questions are provided by the VAO, with assistance as required from the VA Regional Office in Muskogee, OK.

1. VA processing of application and issuance of the **first** benefits check require 4 to 8 weeks from the first day of school.
2. The starting date for the payment period of the **first** benefits check is the date when the first term of attendance begins.
3. Advance payment may be made for the **first** term of attendance and must be requested 30 to 120 days before that term begins.
4. Student will obtain official degree plans as directed by the VAO.
5. VA will pay benefits for **only** those courses required for degree completion, as shown on official degree plans.
6. Students must provide evidence of planned course attendance to VAO, in the form of acceptable PAID class schedules.
7. Certification by the VAO to VA is made for each 16-week semester, 8-week session, or mini-session.
8. VA-eligible students must satisfy the university's regular standards for academic progress and they must comply with class attendance requirements as defined by individual instructors.
9. Course load and number of dependents determine the dollar amount of benefits payments. To ensure awareness of course load requirements for fulltime, three-quarter time, one-half time and less-than-half-time eligibility and payments, students should obtain detailed information from VAO at the time of application and at each enrollment.

CAUTION: Mixtures of 16-week courses, 8-week courses and courses of irregular length (workshops, mini-courses, etc.) require special attention and advice.

The above information is applicable to all students attending Cameron University under Chapter 34 (regular "G.I. Bill"), Chapter 31 (Disabled Veterans), Chapter 32 (post-Vietnam "VEAP"), Chapter 35 (Dependents), and other similar programs administered by the VA.

DEGREE PROGRAMS AVAILABLE

Degree programs include a general education requirement, major, minor (or major-minor) and electives. The general education component is intended to provide the common experience and knowledge that characterize the academically educated person. Development of expertise in a specific discipline occurs in courses taken in the chosen major; a minor broadens the student's education. Electives afford the opportunity for both exploration and continued study in areas of particular interest.

General Education Requirements. Each person who receives a degree from Cameron University is required to fulfill prescribed GENERAL EDUCATION REQUIREMENTS. The purpose of this is to acquaint the student with the major areas of knowledge and experience which are generally recognized as the common possession of educated persons.

Degree Programs. Cameron University offers four-year curricula in leading to a Bachelors Degree and two-year curricula leading to an Associate Degree.

Bachelor of Accounting Degree

Bachelor of Arts Degree Majors

Art	Political Science
Communications	Romance Languages
English	Sociology
History	Theatre Arts
Mathematics	
Music	

Bachelor of Business Administration Degree

Bachelor of Fine Arts Majors

Studio Art
Theatre Arts

Bachelor of Music Degree Concentrations

Instrumental Music Education
Vocal Music Education
Performance
Composition
Sacred Music

Bachelor of Science Degree Majors

Accounting	Electronics Technology
Agricultural Education	Elementary Education
Agriculture	General Education
Biology	Health and Physical Education
Business Administration	Home Economics
Chemistry	Medical Technology
Computer Science	Natural Science
Criminal Justice Technology	Physics
Data Processing Technology	Psychology
Design Drafting Technology	Technology

Associate Degrees

- Associate in Science with a major in General Education
- Associate Degree in Nursing
- Associate Degree in Applied Science in:
 - Criminal Justice
 - Data Processing
 - Design Drafting
 - Electronics

Summary of Majors Offered

Department	Division	Major	Degree
Accounting and Finance	Business	Accounting	B.S.*
Administrative Sciences	Business	Business Administration	B.S.*
Agriculture	Natural Sciences and Health	Agricultural Education Agriculture	B.S. B.S.
Art	Fine Arts	Art Studio Art	B.A. B.F.A.
Biological Sciences	Natural Sciences and Health	Biology Medical Technology	B.S. B.S.
Communications	Fine Arts	Communications	B.A.
Education and Psychology	Educational and Behavioral Arts and Sciences	Elementary Education Psychology	B.S. B.S.
English	Language Arts	English	B.A.
Health and Physical Education	Educational and Behavioral Arts and Sciences	Health and Physical Education	B.S.
History and Humanities	Social Sciences	History	B.A.
Home Economics	Educational and Behavioral Arts and Sciences	Home Economics	B.S.
Languages and Communication	Language Arts	Romance Languages Communications (Journ. - Pub. Relations)	B.A. B.A.
Mathematical Sciences	Mathematical and Applied Sciences	Mathematics Computer Science	B.A. B.S.
Military Science	Mathematical and Applied Sciences	None	—
Music	Fine Arts	Music Music	B.A. B.M.
Nursing	Natural Sciences and Health	Nursing	A.A.S.
Physical Science	Natural Sciences and Health	Chemistry Natural Science Physics	B.S. B.S. B.S.
Political Science	Social Sciences	Criminal Justice Political Science	A.A.S.&B.S. B.A.

Sociology	Social Sciences	Sociology	B.A.
Technology	Mathematical and Applied Sciences	Data Processing Technology Design Drafting Technology Electronics Technology	A.A.S.&B.S. A.A.S.&B.S. A.A.S.&B.S.
Theatre Arts	Fine Arts	Theatre Arts Theatre Arts	B.S. B.A. B.F.A.
Admissions	University	General Education	A.S.&B.S.

*Specialty degree

MINOR PROGRAM SUMMARY

Minors. A minor for Bachelor of Arts and Bachelor of Science degree programs consists of a minimum of 18 course hours in an approved subject area. Students may not major and minor in a subject having the same prefix unless the university offers an approved major-minor in the subject. The following constitute the approved areas in which students may earn subject minors.

Accounting	Economics	Management
Agriculture	Electronics	Mathematics
Agricultural Mechanics	English	Military Science
Agronomy	Environmental Studies	Music
American Studies	Ethnic Studies	Nursing
Animal Science	Foreign Languages	Philosophy
Applied Human and Community Services	French	Physics
Art	General Humanities	Political Science
Art History	Geography	Professional Writing
Athletic Coaching	German	Psychology
Biology	Health and Physical Education	Recreational Arts
Chemistry	History	Sociology
Computer Science	Horticulture	Spanish
Criminal Justice	Home Economics	Speech
Data Processing	Journalism	Communications
Design Drafting	Language Arts	Statistics
Driver and Safety Education	Library Science	Theatre Arts

A transfer student may use work at other institutions toward meeting requirements of the above listed minors. The transfer student who desires to minor in a field not listed above may be approved to do so providing Cameron University offers at least 8 hours in the subject area.

NON DEGREE PROGRAMS

Teaching License Programs. Cameron University offers a program whereby a student may complete the requirements in professional education leading to an Oklahoma elementary, secondary, or elementary-secondary teaching license. Students seeking teaching licenses must consult the Director of Teacher Education concerning approved programs. Details regarding the teaching license programs are found in the teacher education section of this catalog, and in the Teacher Certification Catalog.

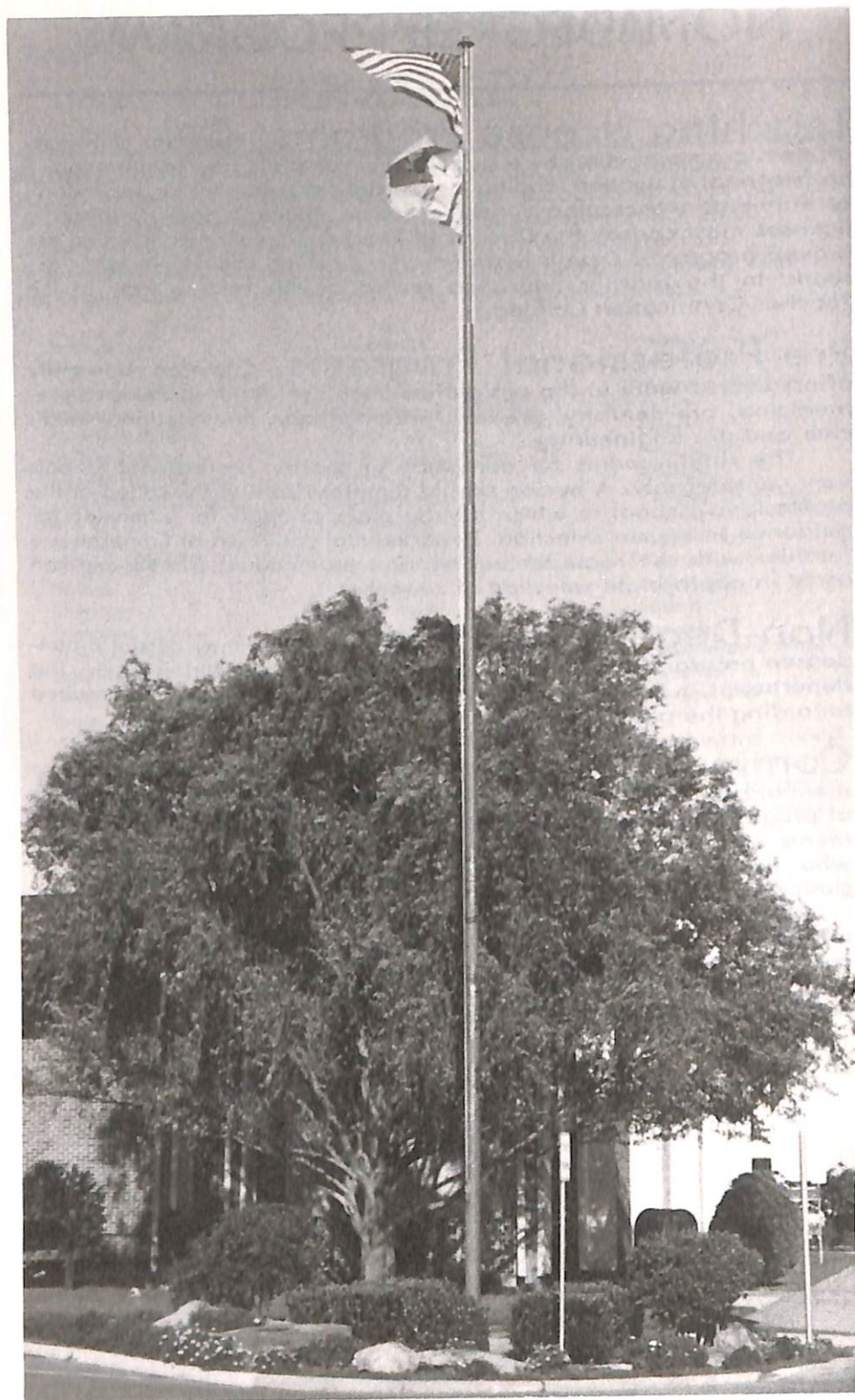
Pre-Professional Programs. Cameron University offers course work at the pre-professional level for such fields as pre-medicine, pre-dentistry, pre-law, pre-pharmacy, pre-veterinary medicine and pre-engineering.

The requirements for admission of specific professional schools vary considerably. A person should therefore consult the catalog of the professional school to which he/she plans to apply for admission for guidance in course selection. Departmental chairmen at Cameron are familiar with the requirements of most professional schools and can assist in appropriate selection of courses.

Non-Degree Programs. A person may pursue a non-degree program relating to a vocation, avocation or further study. The department in which course work is to be taken should be consulted regarding the plan of study.

Continuing Education Programs. The Department of Educational Outreach of Cameron University includes a number of programs designed to enlighten, educate or enrich the lives of residents of the service area. The programs seek to involve individuals who have not been associated with the university as traditional students.

The Educational Outreach Program at Cameron University is committed to meet the continuing educational and professional development needs of the citizens of Southwest Oklahoma. Credit and non-credit activities in the form of workshops, short courses, seminars and lectures are open to adult learners.



ADMISSION

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APPLICATION FOR ADMISSION

Each individual seeking admission to Cameron University must submit a completed "Application for Admission" form. Applicants with no prior college work applying for admission as degree-seeking students must submit official high school transcripts and American College Test (ACT) scores. Degree-seeking applicants with prior college work must submit an official college transcript for all college work attempted and those applicants with less than 15 semester hours of prior college work must submit ACT scores.

Application for Admission forms may be obtained from the Office of Admissions and Records.

See Sample Below

I plan to enter Cameron Year 19 <input type="checkbox"/> Day or <input type="checkbox"/> Night or <input type="checkbox"/> Both Fall <input type="checkbox"/> Spring <input type="checkbox"/> Summer		Cameron University APPLICATION FOR ADMISSION OFFICE OF ADMISSIONS & RECORDS Lawton, Oklahoma 73505				<table border="1"> <tr><td>Admission State</td><td>Date Returned</td></tr> <tr><td>Transcript</td><td></td></tr> <tr><td>ACT Scores</td><td></td></tr> <tr><td>Eng</td><td>Math</td></tr> <tr><td>S Sc</td><td>Sci</td></tr> <tr><td>Comp</td><td></td></tr> </table>		Admission State	Date Returned	Transcript		ACT Scores		Eng	Math	S Sc	Sci	Comp	
Admission State	Date Returned																		
Transcript																			
ACT Scores																			
Eng	Math																		
S Sc	Sci																		
Comp																			
SOCIAL SECURITY NO.	LAST NAME	FIRST NAME	M	MI	PREVIOUS NAME(S)														
STUDENT MAILING ADDRESS	Street		City	State	Zip	AC	Phone												
Which group best describes you?	RESIDENCE STATUS (Check one)		COLLEGE CLASSIFICATION	MARITAL STATUS	SEX	Have You Taken ACT Test?	Will you seek release of directory information?												
1 <input type="checkbox"/> Black 2 <input type="checkbox"/> American Indian/Alaskan Native 3 <input type="checkbox"/> Asian or Pacific Islander 4 <input type="checkbox"/> Hispanic 5 <input type="checkbox"/> White 6 <input type="checkbox"/> Alien	1 <input type="checkbox"/> Oklahoma-Country 2 <input type="checkbox"/> Military-Rate 3 <input type="checkbox"/> Military-Dependent 4 <input type="checkbox"/> Out of State-What State 5 <input type="checkbox"/> Foreign-What Country		1 <input type="checkbox"/> Fresh 2 <input type="checkbox"/> Soph 3 <input type="checkbox"/> Jr 4 <input type="checkbox"/> Sr 5 <input type="checkbox"/> Sp 6 <input type="checkbox"/> H.S.	1 <input type="checkbox"/> Unmarried 2 <input type="checkbox"/> Married	1 <input type="checkbox"/> Male 2 <input type="checkbox"/> Female	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No See Back for Definition												
What is your educational goal while attending Cameron (Check one)	If you plan to enter a pre-professional program (Check one)		Physical Impairments (Check all that apply)		BIRTH DATA														
1 <input type="checkbox"/> Bachelor Degree at CU Major: _____ Code-(From Back)	3 <input type="checkbox"/> Degree at another University Major: _____ 4 <input type="checkbox"/> Self or Job Improvement 5 <input type="checkbox"/> No Specific Objective Now 6 <input type="checkbox"/> Complete Non-degree Program or other		10 <input type="checkbox"/> Dental 50 <input type="checkbox"/> Pharmacy 20 <input type="checkbox"/> Law 60 <input type="checkbox"/> Veterinary 30 <input type="checkbox"/> Medicine 40 <input type="checkbox"/> Optometry 80 <input type="checkbox"/> Other		1 <input type="checkbox"/> None 5 <input type="checkbox"/> Visual 2 <input type="checkbox"/> Hard of Hearing 6 <input type="checkbox"/> Crippled 3 <input type="checkbox"/> Deaf 7 <input type="checkbox"/> Other-Specify		Date _____ Mo Day Yr City _____ State _____												
If you did not complete high school (Check one)	NAME OF HIGH SCHOOL		Graduation Date	Address of High School			Office Use Only ACT												
<input type="checkbox"/> Yes Date _____ Mo Yr			Mo Year	City State Zip															
List all colleges and universities attended with dates of attendance or additional space is needed use back side																			
Name	Address		Date of Attendance	Date of Graduation	Degree	FICE													
(Failure to list institutions previously attended may result in loss of credit or dismissal)																			
Have you ever been dismissed or suspended from any college or university?	Have you ever been placed on probation?		Have you attended Cameron before?		If yes, what year did you last attend?														
Where?	Under what name were you last enrolled?																		
I hereby affirm that all information supplied on these forms is complete and accurate. It is my understanding that I shall not be considered for admission to Cameron University until I submit all credentials specified. I understand that withholding requested information, except where it is voluntary for me to furnish, the information or giving false information, will make me ineligible for admission and enrollment.																			
Date	Signature																		

INFORMATION & INSTRUCTIONS FOR COMPLETING ADMISSIONS FORM

INFORMATION

Cameron University Admissions Requirements:

1. An official transcript from your high school, GED, and/or college work.
2. ACT Scores
3. Applications for Admissions

INSTRUCTIONS

All boxes on the application are self-explanatory except as noted below:

RESIDENCE STATUS: Check one. (Active duty military member or dependent is entitled to in-state tuition rate. Check as appropriate.)

COLLEGE CLASSIFICATION: Check one.

- Fresh -Freshman 0-27 semester hours completed
 Soph -Sophomore 28-59 semester hours completed
 Jr -Junior 60-89 semester hours completed
 Sr -Senior 90+ semester hours completed
 Spl -Students who are not candidates for a degree at Cameron University
 H.S. High School Seniors enrolling concurrently at Cameron

WILL YOU ALLOW RELEASE OF DIRECTORY INFORMATION: Directory information consists of: Name, Address, Telephone Number, Current Enrollment Status, Athletic Program Information, Previous Institution most recently attended, Degrees and Awards Received, Dates of Attendance, Dates of Graduation, Date of Birth, Place of Birth, and other similar information as permitted in the Family Education Rights and Privacy Act.

EDUCATIONAL GOAL WHILE ATTENDING CAMERON: If you choose 1 (Bachelor's Degree) or 2 (Associate Degree), please select the major and the three-digit code from below and record on the application. (See list of codes below.)

Bachelor's Degree Codes:

305 Accounting	120 English	386 Physics
400 Agriculture	360 General Education	162 Political Science
405 Agriculture Education	370 Health & PE	165 Psychology
110 Art	130 History	185 Romance Languages
310 Biology	390 Home Economics	180 Sociology
320 Business Administration	150 Mathematics	170 Speech & Drama
340 Chemistry	570 Medical Technology	410 Technology
415 Computer Science	160 Music	999 No major at this time
350 Elementary Education	380 Natural Science	

Associate Degree Codes:

550 Crimmlinal Justice	530 Drafting & Design	365 General Education
520 Data Processing	540 Electronics	560 Nursing

Cameron University in compliance with Title VI of the Civil Rights Act of 1964, Executive Order 11246 as amended, Title IX of the Education Amendments of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973, and other Federal laws and regulations does not discriminate on the basis of race, color, national origin, sex, age, religion, handicap, disability, or status as a veteran in any of its policies, practices or procedures. This includes but is not limited to admissions, employment, financial aid, and educational services.

ADMISSION REQUIREMENTS

Cameron University follows the admissions requirements adopted by the Oklahoma State Regents for Higher Education as follows:

Oklahoma Residents—First-Time-Entering Students

1. Regular Admissions—Four-Year Degree Programs

Any resident of Oklahoma who (a) is a graduate of an accredited high school, (b) has participated in the American College Testing Program (ACT) or similar battery of tests, and (c) meets **at least one** of the following academic criteria, is eligible for admission.

- a. Maintained a high school grade average of 2.8 or higher; **or**;
- b. Ranked scholastically in upper two-thirds of high school graduating class; **or**
- c. Attained a composite score of "14" or higher in ACT (or similar battery of tests converted to ACT-equivalent score).

2. Alternative Admissions—Four-Year Degree Programs

Applicants who do **not** satisfy **at least one** of the above listed academic criteria, may be admitted under **either** of the following special provisions:

- a. Summer Enrollment—admitted "on probation" for study in a summer session. A student so admitted may continue to enroll if s/he satisfied both of the following:
 - (1) Completes at least **6 semester hours** of course work, **not including** activity or performance courses, during the summer session, **and**
 - (2) Earns at least a "C" in **each** course.
- b. Special Talent Waiver—Cameron may admit up to 5% of the total first-time-entering Fall freshman who must either:
 - (1) Demonstrate unusual talent or ability in an area such as art, drama, music, and the like, **or**
 - (2) Be educationally or economically handicapped **and** show promise of being able to succeed in a four-year degree program at Cameron.
- c. Special Adult Admission
 - (1) Adults who are **not** high school graduates may be admitted **provisionally** if both of the following conditions exist:
 - (a) His/her high school class graduated prior to date of application, **and**
 - (b) A responsible Cameron official considers the applicant to be academically worthy to enroll in Cameron.
 - (2) Adults who graduated from high school two or more years prior to application, **but** who did **not** participate in the ACT or similar program, may be admitted **provisionally** as special students if all admission criteria in Part I are met except completion of ACT battery.
 - (3) An adult given provisional admission under this policy will be on probation for two semesters. If, at the end of those two semesters, s/he has made progress sufficient

to meet Cameron's retention standards, s/he may continue to enroll as a **regular** student.

3. **Admissions—Two-Year Programs**

- a. Applicant must be a graduate of an accredited high school and have participated in ACT or a similar battery of tests; **or**
- b. Applicant must satisfy the requirements for **Special Adult Admission** as listed above.

4. **Concurrent Enrollment of High School Seniors**

- a. A senior enrolled in an accredited Oklahoma high school may, if s/he meets all of the requirements set forth below, be admitted **provisionally** to Cameron University as a **Special Student**.
 - (1) S/he must meet the published criteria of the State Regents (other than high school graduation) for admission to Cameron University.
 - (2) S/he must be enrolled in less than a full-time load (fewer than five credit courses per semester) at the high school which s/he is attending, as attested by the high school principal.
 - (3) S/he must be eligible to complete requirements for graduation from high school no later than the spring of his/her senior year, as attested by the high school principal.
- b. A high school student admitted under the provisions set forth above may enroll in a combined number of high school and college courses per semester not to exceed a full-time college workload of 15 semester credit hours. For purposes of calculating workload, one high school credit course shall be equivalent to 3 semester credit hours of college work. The collegiate portion of the student's workload must be taken on the campus of Cameron University under regular faculty members of the institution.
- c. An exceptional student who is otherwise eligible under this policy may enroll in a maximum of 6 semester credit hours during a **summer** session or term at Cameron University **following** the end of his or her **junior** year of high school, without the necessity of being concurrently enrolled in high school classes during the Summer Term. For purposes of this policy, an exceptional student is defined as one who has compiled a cumulative grade-point average in high school of 3.2 or better, **or** who has achieved a composite score above the National College-Bound mean (18 or over) on the ACT (or similar acceptable battery of tests).
- d. Following high school graduation, such a student may continue his/her enrollment at Cameron University or may transfer to another institution in the State System, **provided** that during the provisional enrollment period s/he has achieved a college grade point average of 2.0 or above.
- e. Procedures for Students Desiring Concurrent Enrollment.
 - (1) Take American College Test (ACT).
 - (2) Fill out Application for Admission form.
 - (3) Submit application accompanied by high school transcripts, ACT scores, and a statement from a counselor,

principal, or other appropriate person to the Office of Admissions and Records.

(4) Attend an orientation session.

(5) Be assigned an advisor and have advisor sign enrollment form.

5. **Opportunity Admissions Category**

Students who have not graduated from high school **but** whose Composite Standard Score on the ACT places them at the 99th percentile using Oklahoma norms (Composite Standard Score of 30 or above), or whose combined Verbal and Mathematical score on the SAT places them at the 99th percentile using national norms, **may apply for full enrollment** at Cameron University. Cameron will determine admissibility based on test scores, evaluation of the students' level of maturity and ability to function in the adult college environment, and whether the experience will be in the best interest of students intellectually and socially.

6. **Admission by Transfer**

A student who wishes to transfer to Cameron University may do so under the following conditions:

a. If the student **originally** met the performance requirements of Cameron University, s/he must have a grade point average high enough to meet Cameron's retention standards.

b. If the student **originally did not** meet the performance requirements of Cameron University, s/he must have a college grade point average high enough to meet Cameron's retention standards, based on **at least 24** completed semester hours of transfer credit regularly graded A, B, C, D, or F.

Non-Residents of Oklahoma

1. Admission of First-Time Entering Freshman. In order to be eligible for admission to Cameron University, a non-resident of Oklahoma (a) must be a graduate of an accredited high school (b) must have participated in the ACT or a similarly acceptable battery of tests, and (c) must meet the academic performance standards of Cameron University as set forth in Part I—Regular Admissions.
2. Undergraduate Students Entering by Transfer. Undergraduate students wishing to transfer from an out-of-state college or university to Cameron University may do so as follows:
 - (a) Each non-resident applicant must be in good standing in the institution from which s/he plans to transfer.
 - (b) Each non-resident applicant must have made satisfactory progress (an average grade of "C" or better) in the institution from which s/he plans to transfer.
3. Transcripts of record from **institutions not accredited** by a regional association may be accepted in transfer when appropriate to the student's degree program and when Cameron University has had an opportunity to validate the courses or programs.
 - (a) Each non-resident undergraduate applicant must be in good standing in the institution from which s/he plans to transfer **and** must have made satisfactory progress (a "C" average or better) in the institution from which s/he plans to transfer.
 - (b) The student will also be required to validate the transferred credit by making satisfactory progress (a "C" average or better) for at least one semester at Cameron University.

Retention Standards

The following standards relating to retention of students pursuing study in undergraduate programs apply at all institutions in the Oklahoma State System of Higher Education. For continued enrollment at Cameron University, a student must have earned a cumulative grade-point average as indicated below:

24 - 36 semester hours	1.60
37 - 72 semester hours	1.80
73+ semester hours	2.00

Any student not maintaining satisfactory progress toward his/her study objective as indicated above will be placed on **probation** for **one semester** GPA of 2.00 **or** meet the minimum retention standards required above in order to continue as a student. A senior who has failed to meet the cumulative grade-point average of 2.00 may enroll in an additional 15 semester hours in a further attempt to achieve the requirements for graduation.

RESIDENCE STATUS OF ENROLLED STUDENTS IN THE OKLAHOMA STATE SYSTEM OF HIGHER EDUCATION

Section I. Philosophy

Since 1890, it has been public policy in Oklahoma to provide comprehensive, low-cost public education for citizens, in order to make educational opportunity available for Oklahoma individuals to improve themselves, to help upgrade the knowledge and skills of the Oklahoma work force, and to enhance the quality of life in Oklahoma generally. Therefore, residents of Oklahoma are afforded subsidies covering a majority of their educational costs at all colleges and universities of the Oklahoma State System of Higher Education. Non-residents of Oklahoma are also provided substantial educational subventions, although at lower levels than those provided for permanent residents of the state.

Section II. Principles

1. Attendance at an educational institution is interpreted as temporary residence; therefore, a student neither gains nor loses resident status solely by such attendance.
2. A non-resident student attending an Oklahoma college or university in a full-time basis is presumed to be in the state primarily for educational purposes.
3. An individual is not deemed to have acquired status as a resident of Oklahoma until he or she has been in the state for a least a

- year primarily as a permanent resident and not merely as a student. Likewise, an individual classified as a resident of Oklahoma shall not be reclassified as a non-resident until 12 months after having left Oklahoma to live in another state.
- All married persons shall be treated as equal under this policy. Therefore, each spouse in a family shall establish his or her own residence status on a separate basis.
 - The burden of proof of residence status or domicile shall be upon the applicant. Students filing an appeal for reclassification of his or her residence status shall do so on forms provided or approved by the Oklahoma State Regents for Higher Education.
 - Initial classification as a non-resident student shall not prejudice the right of a person to be reclassified thereafter for following semesters or terms of enrollment as an Oklahoma resident provided that he or she can establish proof of residence in accordance with criteria and procedures as set forth in Sections VIII and IX of this policy.

Section III. Definitions

- Resident of Oklahoma*—A resident of Oklahoma is one who has lived continuously in Oklahoma for at least 12 months duration and whose domicile is in Oklahoma. A person's domicile is his or her true, fixed, permanent home or habitation. It is the place where he or she intends to remain and to which he or she expects to return. A person can have more than one residence, but only one domicile. Domicile has two components—residence and the intention to remain. When these two occur there is a domicile.
- Independent Person*—An independent person is one enjoying majority privileges (or is legally emancipated from the parental domicile) and who is responsible for his or her own care, custody, and support.
- Dependent Person*—A dependent person is one who is under the care, custody, and support of a parent or other legally sanctioned parental surrogate.
- Full-Time Student*—A full-time undergraduate student is one enrolled in a minimum of 12 credit hours per semester in an academic year or a minimum of 6 credit hours in a summer session. A full-time graduate student is one enrolled in a minimum of 9 credit hours per semester in an academic year or a minimum of 4 credit hours in a summer session.

Section IV. Independent Persons

If a person enjoying majority privileges and who is independent of parental domicile can provide adequate and satisfactory proof of his/her having come to Oklahoma with the intention of establishing domicile, he/she may be granted resident student classification at the next enrollment occurring after expiration of 12 months following the establishment of domicile in Oklahoma. The spouse of such person must establish proof of his or her own domiciliary status on a separate basis.

Section V. Dependent Persons

The legal residence of a dependent person is that of his/her father; or that of his/her mother if his/her father be not living or if the parents are separated and the dependent person habitually resides with the

mother; or, if both parents are dead, that of his/her legally appointed guardian or anyone else with whom he/she habitually resides in the absence of formal legal designation. A dependent person may become emancipated (freed from his/her parental domicile) through marriage, formal court action, abandonment by parents, or positive action on his/her own part evidential of his/her alienation of parental domicile. To qualify under the latter category, a dependent person must have completely separated himself/herself from the parental domicile and have proved that such separation is complete and permanent. Mere absence from the parental domicile is not proof of its complete abandonment. If an applicant can provide adequate and satisfactory proof of complete emancipation and his/her having come to Oklahoma with the intention of establishing domicile, he/she may be granted resident student classification at the next enrollment occurring after expiration of 12 months following establishment of domicile in Oklahoma.

Section VI. Foreign Citizens

An individual who is not a citizen of the United States may become eligible for classification as an Oklahoma resident provided that he/she holds "permanent resident status" as defined by the Immigration and Naturalization Service, evidenced by the issuance of a green card, who has resided in Oklahoma for a least 12 consecutive months following issuance of the green card, and who meets the criteria for establishment of domicile as set forth in Section VIII of this policy.

Section VII. Military Personnel

A student attending an institution while on full-time active duty in the armed forces is considered as having a temporary residence in the state in which he/she is attending school; therefore, a student neither gains nor loses resident status solely by such military service. Members of the armed services stationed in Oklahoma, their spouses and dependent children shall be admitted without the payment of non-resident tuition so long as they continue to be stationed in the state in the full-time military service and under military orders.

Section VIII. Proof of Residence

The burden of proof of establishing Oklahoma residence or domicile shall be upon the applicant. Some of the various types of evidence that may serve as proof of one's residence status are year-round residence, ownership of property, registration for and voting in state general elections, filing an Oklahoma income tax return for the most recent calendar year, and payment of ad valorem property taxes. Since residence or domicile is at least partially a matter of intent, each case will be judged on its own merits, and no definitive or "magic" set of criteria can be established as sufficient to guarantee classification as a resident of Oklahoma.

Section IX. Reclassification

In addition to the aforementioned criteria, an independent person seeking to be reclassified as a resident of Oklahoma must meet the following criteria for the current and immediately preceding year:

1. The person must not have been claimed as an exemption for state and federal tax purposes by his or her non-resident parents.
2. The person is self-supporting as evidenced by having provided the majority of funds for his or her own upkeep.
3. The person must have maintained a continuous residence in Oklahoma for the period set forth above.

Section X. Administration of Policy Statement

Each institution should designate the Admissions Officer or some other individual to be responsible for administration of the policy and should make appropriate provision for a student's appeal of an adverse decision.

Section XI. Tuition Waivers

Nothing in this policy precludes the waiving of fees or tuition for non-residents by any institution upon authorization by the State Regents based on criteria other than residence status provided that the residence status classification will not be affected by any such waiver alone.

Section XII. Effective Date

This policy shall become effective for students enrolling at State System colleges and universities for semesters or terms beginning after July 1, 1985.

FALSIFICATION OF RECORDS

The falsification of any admission record, whether by change, omission, or untrue statement will be sufficient grounds for permanent denial of admission to the university; or if the student is attending classes, for suspension from the university with forfeiture of any credit earned.

NAME CHANGE

A student who has had a change in name must provide the university with appropriate documentation which substantiates the legal name change. This must be submitted to the Office of Admissions and Records prior to the student's next registration. Registration under a name different from that used in the student's last enrollment cannot be accomplished without the above certification, which becomes a part of the student's permanent file. All grade reports and transcripts are issued under the student's legal name as recorded in the Office of Admissions and Records.

ADMISSION OF STUDENTS FOR WHOM ENGLISH IS A SECOND LANGUAGE

Persons for whom English is a second language (ESL), who are seeking to enroll at Cameron University either as first-time students or by transfer from another United States college or university, shall be required to present evidence of proficiency in the English language prior to admission. The following minimum standards shall be utilized by Cameron to determine English language proficiency.

1. Applicants for first-time admission at the undergraduate level shall be required to present a score of 500 or higher on the Test of English as a Foreign Language (TOEFL) which is administered by Cameron University. A conversation course, ESL 1013, is available to students who score below 500 as well as to those seeking to improve listening/speaking skills.
2. Applicants seeking admission by transfer who have attended an accredited college or university for a minimum of three academic semesters or terms shall be admitted on the same basis as other transfer students. Applicants who have attended another institution for fewer than three semesters or terms shall be required to meet the same requirements as applicants for first-time admission. Special sections of ENG 1003, ENGL 1113 and ENGL1213 are offered under an ESL number in the Languages and Communication Department to help ESL students learn to write English. All ESL students should enroll in these courses which use special teaching techniques designed for the ESL student.

JUNIOR COLLEGE GRADUATES

Cameron University cooperates in a reciprocal transfer agreement between the college and certain Oklahoma Junior Colleges. Students from cooperating colleges who have completed either the Associate of Arts or Associate of Science degree in a transfer program will be accepted as having fulfilled the lower division general education requirements. Additional lower division general education requirements would be imposed on such students only if (1) prerequisites for upper division courses are lacking, (2) grade levels required by Cameron had not been attained, or (3) professional licensing or certifying agencies require more than is prescribed in the reciprocal agreement.

Students who transfer to Cameron prior to the completion of an Associate Degree of the type described above will be evaluated by Cameron on a course-by-course basis. Comparable courses taken at state-accredited junior colleges will transfer at full value.

RE-ADMISSION

Any former Cameron student who did not attend Cameron during the previous academic year must file another Application for Admission form. The application should be submitted at least one month (and preferably earlier) prior to the beginning of the semester in which he or she plans to re-enter.

ORIENTATION

All students entering Cameron with less than 15 semester hours credit having a degree objective are required to attend an orientation meeting. The schedule of orientation meetings is contained in the current Cameron schedule. In addition to the orientation meeting, an optional orientation course is offered for one semester hour credit. The orientation meeting introduces the new student to the campus and provides information about resources, services, and activities. Evening orientation meetings structured to meet the needs of transfer and adult students are also offered. The optional orientation course, Introduction to University Life (UNIV 1001) is designed to assist students in making the transition to the university environment. Course content includes topics such as: study skills, library services, time management, career considerations, tutorial laboratory services and academic planning. Academic advisement and pre-enrollment for the next semester are accomplished during the course. The orientation program is administered by the Center for Advisement and Student Development. Reservations for an orientation meeting and requests for information should be directed to the Center. (See also Advisement Section.)

ACADEMIC REGULATIONS

1. Requirements for Graduation.

- Completion of the specified degree requirements with a minimum cumulative grade point average of 2.0 and a minimum grade point average of 2.0 in all work taken at Cameron University.
- At least one-half of the lower division and one-half of the upper division requirements must be met by courses taken in residence at approved institutions. Students completing teacher license requirements must complete three-fourths of the general education, three-fourths of the professional teacher education and three-fourths of the specialization requirements in residence.
- Baccalaureate degree candidates must complete a minimum of 30 semester hours in residence at Cameron University. At least 15 of the last 30 semester hours required for the degree must be completed in residence at Cameron University.
- Associate degree candidates must complete a minimum of 15 semester hours in residence at Cameron University.
- Baccalaureate degree candidates must complete a minimum of 40 semester hours in junior or senior level courses.

2. Major Requirements.

A minimum of one-half of the upper-division credits required for a major must be earned in residence at Cameron University. A request for an exception to this regulation must be submitted in writing to the appropriate division head and must be accompanied by a statement from the student's advisor and the chairman of the department responsible for the degree program in which the student is majoring.

3. Grade Point Calculating.

In calculating grade point averages for all purposes except graduation and financial aids the total number of grade points earned is divided by the total number of *grade point earning hours* attempted; for graduation, the hours and points earned first in a repeated course will be ignored. The grade of "I", "W", "S" or "U" will not be used in computing grade point averages.

4. Second Baccalaureate Degree.

A student may receive a second baccalaureate degree upon completion of 30 semester hours in addition to the hours required for the first degree, provided the requirements for the degree are met. Normally, no more than one degree will be conferred at one convocation.

5. Second Associate Degree.

A student may receive a second associate degree upon completion of 15 semester hours in addition to the hours required for the first degree provided the requirements for the degree are met. Normally, no more than one degree will be conferred at one convocation.

6. **Double Majors.** Students may have more than one major listed on their transcripts, provided they complete all of the requirements for each of the majors.

The student seeking two majors must designate one of the majors as the "first major." The degree awarded, B.A. or B.S., will then be determined by the designated "first major."

Students fulfilling all of the requirements of a "second major" are not required to complete a minor.

7. **Duplicate Use of Courses.** Credits earned in a particular course may not be used to fulfill the requirements of two different majors or of both a major and a minor. Should the same course be required in each of a student's majors or in both his major and minor, the student will be expected to complete an additional elective course in the field in which the duplication occurs.
8. **Degree Application.** Each candidate for a degree shall file a diploma application with the Office of Admissions and Records within four weeks following the beginning of the semester or two weeks following the beginning of the summer session in which the student expects to be graduated.
9. **Presence at Commencement Exercises.** All degree candidates are expected to participate in the formal commencement exercise. A candidate who cannot attend commencement should notify the Director of Admissions and Records.
10. **Recognition of Honor Graduates.** Graduating baccalaureate and associate degree candidates with superior academic records are accorded special recognition by the university. Students who have achieved an overall grade point average of 3.8 or above for all college-level courses attempted are graduates "with high honors" and those who have achieved an overall grade point average of at least 3.6 but less than 3.8 for all college-level courses attempted are graduated "with honors." Both categories of honors graduates are identified as such on their official Cameron University transcripts, and they are formally recognized in the commencement exercises for their graduating class.
11. **Academic Load.** Academic load includes all courses (day, evening, and extension) in which a student is enrolled. The normal academic load for a regular semester is 16 semester hours and for a summer session or an eight-week session is eight semester hours.

The maximum load that a student will normally be permitted to carry is 18 semester hours during a regular semester or nine hours during a summer session or an eight-week session.

A student who has attained an overall grade point average of 3.00 and has completed a minimum of 15 semester hours will be permitted to enroll in a maximum of 21 semester hours during a regular semester or 10 semester hours during a summer semester or an eight-week session.

All other overloads must be recommended by the student's advisor and approved by the appropriate division head. The maximum credit hour load that may be approved for a regular semester, summer session, an eight-week session, or a short course can never exceed one and one-half times the number of

weeks in the semester, summer session, eight-week session, or short course.

12. **Full-Time Student.** A student who enrolls in 12 or more hours during a regular semester or 6 or more hours during a summer session or an eight-week session is classified as a full-time student.
13. **Concurrent Enrollment in Another Institution.** Full-time Cameron University students must have the approval of the appropriate division head prior to enrolling concurrently for credit in any other college or university.
14. **Classification of Students.** Freshmen are those students who have less than 28 semester hours of credit; sophomores, those with 28 or more semester hours, but less than 60; juniors, those with 60 or more semester hours, but less than 90; and seniors those with 90 or more semester hours who have not received a degree.
15. **Special Students.** Students who are not candidates for a degree at Cameron University are classified as "special students."
16. **Auditing.** A student with the permission of the instructor may enroll in a credit course as an auditor on a non-credit basis. Auditors are not held responsible for the work expected of regular students and receive no grade or credit for the course. Test participation is the prerogative of the instructor.

A student who audits a course agrees that he or she will not petition or ask in any way for the privilege of taking an examination to obtain credit after auditing the course.

A student enrolled as an auditor may change (with the permission of the instructor) the enrollment from audit to a credit enrollment within the first three weeks of a regular semester or proportionate period of a summer session, an eight-week session, a block course or short course.

17. **Late Enrollment.** No student will be permitted to enroll after the first full week of classes in any semester, summer session or eight-week session without the permission of the appropriate division head. Any student enrolling after classes begin will pay a late enrollment fee, and, of course, will make up all work of the classes in which he or she enrolls.
18. **Changing Course Schedules.** An Add and Drop Period is provided for a limited time prior to and during the first full week of each semester or term to allow students to make changes in their course schedules. A student desiring to rearrange a course schedule must:
 - secure the proper form from the Office of Admissions and Records;
 - have it approved by the advisor, or departmental chairman;
 - return it to the Office of Admissions and Records for processing;
 - present it to the Business Office for fee adjustment.

The deadline for adding courses is the first day of the second week of classes in a regular semester and the last day of the first week of classes in a summer session or an eight-week session.

19. **Attendance.** A student is responsible for the content of each course in which he or she is officially enrolled. At the beginning of each term each instructor will define and quantify attendance standards, procedures for verifying unavoidable absences, and methods of dealing with missed assignments and examinations. These procedures are to be stated in writing and distributed to students prior to the end of the drop and add period. It is the student's responsibility to note these procedures and to follow them consistently and carefully.
20. **Course Number System.** All courses are numbered in terms of four digits. The first digit indicates the class year in which the subject is ordinarily taken. The last digit indicates the credit hours given for the course. The two middle digits identify the course within the department. For example a course numbered 2013 should be interpreted as a sophomore course carrying three semester hours of credit.

Freshmen may not enroll in courses numbered 3000 and above without special departmental permission, nor may sophomores enroll in 4000 courses without permission.

21. **Prerequisites.** Enrollment in some courses is restricted to students who have taken certain other courses, who have attained a particular class standing, who have obtained the consent of the instructor, or who are pursuing a particular major or majors. These restrictions are listed with the course descriptions.
22. **Credits.** All credits are given in terms of semester hours. A semester hour consists of one hour of class work or two or three hours of laboratory work each week for the semester.
23. **Registration.** Every student is required to pre-enroll prior to the beginning of the academic term or to register during the designated enrollment period. The student's enrollment is not completed until the proposed course of study is approved by the advisor and all tuition and fees are paid.

Any person attending class or doing the work in a course for which he or she has not registered in advance will not receive credit for the work so done.

24. **Pre-enrollment.** Students not on academic probation may pre-enroll at a specified time prior to regular enrollment.
25. **Withdrawing.** A student who is officially enrolled in a course at the end of an academic term will receive a grade of "A," "B," "C," "D," "F," "S," "U," or "I." Non-attendance or ceasing to attend a class does not constitute official withdrawal. To withdraw from the university or a single course a student must follow the appropriate procedures outlined below.
- **Withdrawing From the University.** A student desiring to withdraw from the university must complete the following process:
 - Secure the proper form from the Office of Admissions and Records;
 - Schedule an exit interview with personnel in the Center for Advisement and Student Development;
 - Obtain instructor's signature if appropriate after 8th week in 16-week day class, or after 4th week of 8-week night class; and

- Present the form to the Business Office for financial adjustments.
 - **Withdrawing From a Course.** To withdraw from a course the student completes the following process.
 - Secure the proper form from the Office of Admission and Records;
 - Obtain the advisor's signature.
 - Obtain the instructor's signature if required; and
 - Present the form to the Business Office for fee adjustments.
 - Students may **not** initiate withdrawal from a single class during the last two weeks of a regular semester or during the final week of a summer or eight weeks session.
26. **Scholastic Requirements for Continuing Enrollment.**
- **Enrollment in Good Standing.** A student who meets the University's retention standards is eligible for continuing enrollment.
 - **Academic Probation.** A student will be placed on academic probation if, as a first semester freshman, he or she fails to attain a grade point average of 1.0 (D). Other students failing to attain a grade point average of 1.5, or failing to attain the cumulative grade point average required for retention as stated above will be placed on probation. Scholastic Probation is recorded on the transcript.
 - **Academic Suspension.** A student will be suspended if after one semester of academic probation he or she does not attain a minimum grade point average of 2.0 for the semester, or his or her cumulative grade point average does not meet the retention standards stated above. Suspension is recorded on transcript. A student may appeal suspension to the Academic Appeals Committee. See also Retention Standards under section on Admission.
A senior who has failed to meet the cumulative grade point average of 2.0 may enroll in an additional 15 semester hours in further attempt to achieve the requirements for graduation.
 - **Readmission After Suspension.** The student who has been suspended from the university because of poor grades will be eligible to apply for readmission after one full semester. (A summer term is not a full semester.) However, students on suspension may enroll in a summer session in an attempt to meet retention standards.
28. **Five Year, Slow Start Provision.** This provision pertains only to a student who is in danger of academic suspension because of failing or poor grades received five or more years prior to the current semester. The student may petition the Academic Standards Committee for a review of his/her total academic record. If the committee finds that the student's recent performance shows evidence of significant academic progress, the committee may recommend recomputation of the student's grade point average (GPA) for the purpose of retention in school. Such recalculation would disregard all credit hours attempted and grades

received five or more years prior to the current semester. If the student chooses to have such courses disregarded in recalculating the GPA, the committee will omit all grades (not just failing grades) received five or more years prior to the semester in which the student petitions for grade review. Please note that such a petition is applicable only for the purpose of retention in school. All grades will remain on the academic record and will continue to contribute to the cumulative GPA.

29. **Grade Points.** Academic performance is evaluated according to the following system of grade and quality point designations:

A	.....	4 points per semester hour
B	.....	3 points per semester hour
C	.....	2 points per semester hour
D	.....	1 point per semester hour
F	.....	0 point per semester hour

30. **Grading System.** Grades for work in class and laboratory are indicated by the following letters:

A	.....	Superior
B	.....	Above Average
C	.....	Average
D	.....	Lowest Passing Grade
S	.....	Satisfactory (Passing; quality of work not indicated)
U	.....	Unsatisfactory
F	.....	Failure
I	.....	Incomplete
W	.....	Withdrawn While Passing
WF	.....	Withdrawn While Failing (Counts as an F in computing grade point average)

The grade of S (satisfactory) and U (unsatisfactory) may be used in grading certain courses at the discretion of the instructor offering the course with prior approval of the department chairman. When a course is selected for S-U grading, the entire class must be graded on the same basis.

The grade of "S" also will be used to indicate passing in a course transferred to Cameron in which no letter grade has been assigned, and to indicate satisfactory performance on an advanced standing examination.

31. **An "I" Grade.** An incomplete may be given (at an instructor's discretion) to a student whose grade average is passing, but who did not complete the course at the end of a term. Students who receive an "I" grade have no more than one full semester (unless otherwise specified by the instructor) to complete the required work for the course. The instructor shall record the conditions and time limit for removing the "I" on the back of the official class record that is filed with the Office of Admissions and Records.
32. **Changing of "I" Grade.** It is the responsibility of the student to satisfy the requirements specified by the instructor at the time of the assignment of the "I" grade.

It is the responsibility of the instructor to report to the Office of Admissions and Records that the conditions for removal of an "I" have been met and to request that the appropriate grade

assigned by the instructor be recorded on the student's permanent record. This request is to be accomplished by completing the appropriate form obtained from the Office of Admissions and Records.

Within one year from and after expiration of the specified time for completing the requirements, the instructor who assigned the grade of "I," may change the grade. Otherwise the grade remains as an "I." In no case will a grade of "I" be changed to a grade of "F" after the student has graduated.

33. **Changing Grades Reported in Error.** The only reason to change a grade is to correct a grade reported in error. The instructor* who signed the official class roll reporting final grades may make such a change by initiating the following procedure.
- The instructor will complete a "Grade Correction" form and forward it to the department chairman for a signature.
 - The department chairman will forward the form to the division head for a signature. The division head will then forward the form to the Director of Admissions and Records.
 - The Director of Admissions and Records will make the grade change as requested by the instructor. One copy of the "Grade Correction" form will remain on file in the Office of Admissions and Records, one copy will be returned to the instructor indicating that the grade has been changed as requested and one copy will be forwarded to the student. In no case will a grade be lowered after the student has been graduated.

*In the event of the instructor's absence, death, or disability, the grade may be changed by someone authorized by the president of the university with the advice of the Academic Appeals Committee to act in the instructor's behalf.

34. **Repeating Courses.** Repeating a course does not remove the previous grade from the student's record.
35. **Grade Reports.** Reports of final grades are made available to student's at the end of each semester, summer session and intersession.
36. **Transcripts.** A student may obtain a copy of his/her transcript from the Office of Admissions and Records for a nominal fee.
37. **Minimum Class Size.** The minimum enrollment required to offer a course is as follows: 20 enrollees for a lower division course and 10 enrollees for an upper division course.
38. **Substitution and Waiver of Courses.** Requests to substitute or waive courses that are designated as necessary to fulfill general education requirements, to fulfill major or minor requirements, or to obtain credit for any other course listed in the university catalog must be recommended by the student's advisor, approved by the chairman of the department offering the course involved, the chairman of the student's major department and the appropriate division head. A form for substituting and waiving courses may be obtained from the Office of Admissions and Records.

When the student has obtained all three signatures required on this form, he/she should return it to the Office of Admissions and Records. The Director of Admissions and Records will then

place a copy of the form with the student's folder, send a copy to the chairman of the department in which the course is offered, and deliver a third copy to the chairman of the student's major department.

Permission for any other exception to stated requirements—e.g. number of upper division hours, the residency requirement—should be obtained from the appropriate division head. A letter granting such exceptions will be placed with the student's folder in the Office of Admissions and Records, and a copy sent to the chairman of the student's major department.

39. **Advanced Standing Examinations.**

Purpose. The purpose of the Advanced Standing Examination Program at Cameron University is to provide examinations, in various subject areas, which are designed to measure knowledge acquired prior to formal college study. College credit is granted to those students who take an advanced standing examination and meet or surpass the minimal score established by the academic departments. Students desiring to take an advanced standing examination for credit may submit an application to the chairman of the department offering the course. Institutional charges for administration and recording of locally administered advanced standing examinations shall be at the rate of \$5 per semester-credit-hour. Applications and further information concerning these tests may be obtained from the University Testing Center.

Rules and Regulations. The following rules and regulations for the administration of Advanced Standing Examinations have been prescribed by the Oklahoma State Regents for Higher Education.

- Advanced Standing Credit may be awarded up to one-half of the total semester hours required at the lower division level (32 hours); and not more than one-half of the hours required at the upper division level (32 hours).
- In computing the total amount of credit which may be earned by Advanced Standing hours taken through correspondence and extension, methods shall be considered as having been earned through Advanced Standing.
- Advanced-Standing Credit may only be awarded in those academic disciplines which are taught at the awarding institution. Advanced standing examinations in foreign language are not allowed in the native tongue of a foreign student, except for courses in language and literature corresponding to Cameron University courses numbered 3000 or above.
- Advanced Standing Credit awarded to a student must be validated by successful completion of 12 or more semester hours of academic work at the awarding institution before being placed on the student's transcript.
- The neutral grade of satisfactory (S) will be utilized to designate Advanced Standing Credit. No entry will be made on the student's transcript unless he/she is successful in passing the examination.

- Advanced Standing Credit, once recorded and validated at an institution in the Oklahoma State System of Higher Education, is transferable on the same basis as if the credit had been earned through regular study at the awarding institution.

Standardized National Tests. Any person with substantial knowledge of a subject matter, whether gained through high school or other experience, may receive credit in a particular course through the College Level Examination Program (CLEP). A list of Cameron University courses in which credit may be earned through CLEP is available in the University Testing Center.

Cameron University also awards credit for selected courses based upon successful performance on the Advanced Placement examination of the College Board. For a listing of courses and minimum acceptable scores contact the University Testing Center.

40. **Honors Courses.** Intellectual challenge for every student is one of the major goals of Cameron University. Academically talented students and those with superior academic backgrounds and strong motivation can find such challenge in Honors Courses at Cameron University. Such courses are taught in a number of departments and are discussed in the departmental course listings. All Honors Courses are designated as such on the students' transcripts.

Honors Courses feature a greater depth of presentation of the course materials, with an emphasis on intellectual concepts and stress on independent student learning activities. Students planning to enter graduate and professional schools will find these courses excellent preparation for the nature and rigor of study in those programs. Every student with appropriate academic ability should seek out the excitement and stimulation of these Honors Courses.

41. **Junior College Work.** A maximum of 64 semester hours of credit may be accepted by transfer to meet lower division requirements only. A minimum of 64 semester hours must be earned in a senior college for a baccalaureate degree.
42. **Academic Advisors.** Cameron students pursuing an associate or baccalaureate degree will be assigned an academic advisor for assistance in course selection, exploration of college majors and careers, and planning of programs of study to achieve the students' educational goals. Initial student and advisor contact will be at orientation; in subsequent semesters the student can seek assistance from the advisor at any time. Individuals experiencing difficulty that could affect their status as students are strongly urged to see their academic advisor. Prior to enrollment for a future semester, the student must confer with the advisor and obtain approval for course enrollment. Since advisors have teaching responsibilities as well as other university duties, students should contact advisors to schedule appointments for advisement sessions. In an emergency situation the student may contact the Center for Advisement and Student Development.
43. **Correspondence Credit.** Credit earned through correspondence offered by regionally accredited institutions may be applied toward degree requirements upon the recommendation of the student's advisor with the approval of the chairman of the department of the student's major, the appropriate Division Head, and the Vice President for Academic Affairs.

General Education



GENERAL EDUCATION REQUIREMENTS

BACCALAUREATE DEGREE

A minimum of 50 semester hours as outlined below are required for each baccalaureate degree.

COMMUNICATIONS	9 hours
(a) ENGL 1113 English Composition I	
(b) ENGL 1213 English Composition II	
(c) COMM 1113 Fundamentals of Speech	
MATHEMATICS	3 hours
Selected from any Mathematics course numbered 1013 or above except courses designed for elementary education majors.	
SCIENCE	8-10 hours
Must include one course in Biological Science (Biology, Botany or Zoology) and one course in Physical Science (Chemistry, Geology, Physical Science or Physics).	
AMERICAN HISTORY AND POLITICAL SCIENCE	6 hours
(a) HIST 1483 United States History to 1865 or HIST 1493 United States History since 1865	
(b) POL SC 1113 American Federal Government	
HUMANITIES	6 hours
To be selected from the following with no more than one course from the discipline in which the student is majoring.	
(a) Interdisciplinary Humanities Courses:	
HUM 2113 Humanities in Early Western Culture	
HUM 2223 Humanities in Modern Western Culture	
HUM 2513 Humanities of the Great Plains	
(b) ART 2113 Art Appreciation	
ART 2313 History of Art, Prehistoric to the Renaissance	
ART 2323 History of Art, Renaissance to the Present	
(c) THTR 1113 Introduction to Theater	
(d) ENGL 2013 Modern Fiction	
English, American or World Literature courses (ENGL 2000 level)	
(e) Foreign Language (French, German, Italian, Portuguese, or Spanish) 1113, 1223, or equivalent	
(f) HIST 1113 Early Western Civilization	
HIST 1123 Modern Western Civilization	

- (g) MUSIC 1013 American Popular Music
 MUSIC 1023 Music Appreciation
 MUSIC 1413 Music Literature I
 MUSIC 1423 Music Literature II
 (h) PHIL 1113 Introduction to Philosophy
 PHIL 2213 Logic

BEHAVORIAL SCIENCE..... 3 hours

Select one from the following:

- H EC 1123 Family Relations
 PSYCH 1113 General Psychology
 SOCI 1113 Principles of Sociology

ECONOMICS..... 3 hours

Select one from the following:

- AGRIC 1334 Introduction to Agricultural Economics
 ECON 2013 Principles of Economics I
 GEOG 3023 Economic Geography
 H EC 3603 Consumer Education and Money Management

PHYSICAL EDUCATION ACTIVITY*..... 4 hours

- (a) Any physical education activity course(s)
 (b) Marching band (not to exceed 2 courses—each of which will satisfy one hour of the physical education activity requirement)

- (c) Intramural sports (not to exceed 2 courses)
 (d) Intercollegiate athletics (not to exceed 1 course)
 (e) Any of the following Military Science courses:

- MIL SC 2012 Tactics and Leadership
 MIL SC 2042 Basic Military Leadership
 MIL SC 3013 Map Reading and Communications
 MIL SC 3023 Tactics and Operations
 MIL SC 4013 Military Management
 MIL SC 4023 Military Professionalism

(Each of which will satisfy one hour of the Physical Education activity requirement)

ELECTIVES SUFFICIENT TO TOTAL 50 SEMESTER HOURS

But with no more than 6 hours of these electives in any one department.

*Not required if student:

- (a) is 30 years of age or older, or
 (b) is recommended by a medical doctor for waiver of the requirement, or
 (c) is awarded credit based on one year of active full-time military service

ASSOCIATE DEGREE

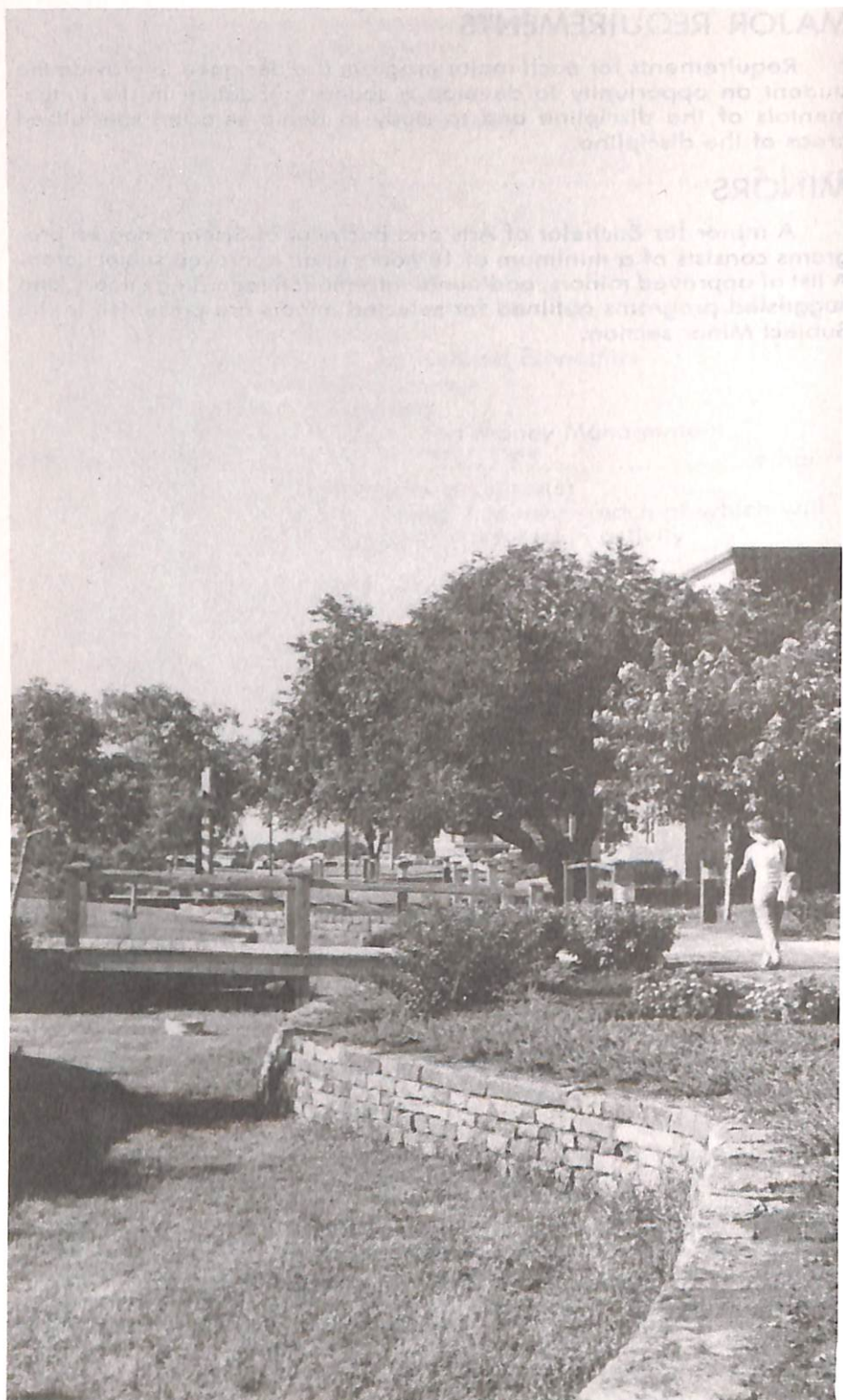
Twenty-four (24) hours of General Education are required of each person who receives an Associate Degree from Cameron University. Students should consult the specific general education and degree requirements for their chosen major in ascertaining the courses which they take to satisfy these requirements.

MAJOR REQUIREMENTS

Requirements for each major program are designed to provide the student an opportunity to develop a sound foundation in the fundamentals of the discipline and to study in depth selected specialized areas of the discipline.

MINORS

A minor for Bachelor of Arts and Bachelor of Science degree programs consists of a minimum of 18 hours in an approved subject area. A list of approved minors, additional information regarding minors, and suggested programs outlined for selected minors are presented in the Subject Minor section.



DIVISION OF BUSINESS

Head, Jack F. Amyx
Professor of Business

DEPARTMENT OF
ACCOUNTING
AND FINANCE

DEPARTMENT OF
ADMINISTRATIVE
SCIENCES

DEPARTMENT OF ACCOUNTING AND FINANCE

CHAIRMAN - David R. Speairs, Associate Professor

Professor: Amyx

Associate Professors: D. Cosgrove, Martinez

Assistant Professors: Alkim, Courington, Horner, Jeter, Johnson, W. Ramsey, Sheets

Accounting Lab Instructor: Doherty

The Department of Accounting and Finance offers a program leading to the Bachelor of Science degree with a major in Accounting. The department also offers a program leading to the Bachelor of Science with a major in Business Administration with options in Economics or Finance. Requirements for this degree are listed in the Department of Administrative Sciences. Academic advisement for students pursuing these two options is provided by the faculty in the Department of Accounting and Finance.

BACHELOR OF ACCOUNTING DEGREE

- I. GENERAL EDUCATION REQUIREMENTS..... 50 hours
Students who major in Accounting are encouraged to select their elective hours in general education from courses outside the Business Division.
- II. MAJOR-MINOR 57 hours
 - Core Courses** 33 hours
 - DATA P 1013 Introduction to Data Processing
 - ACCTG 2013 Principles of Accounting I
 - ACCTG 2023 Principles of Accounting II
 - ECON 2023 Principles of Economics II
 - BUS 2113 Business Communications
 - MGMT 3013 Principles of Management
 - BUS 3213 Business Law I
 - MKTG 3413 Principles of Marketing
 - FIN 3603 Principles of Finance
 - BUS 3613 Business Statistics
 - BUS 4633 Business Policy
 - Specialization**..... 24 hours
 - ACCTG 4213 Auditing
 - Upper-Division Accounting Electives
- III. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

Teacher Licensure/Certification

Cameron University offers a program leading to licensure/certification in Business. Degree requirements are not necessarily identical with certification requirements. Consult the Teacher Certification Catalog and your departmental advisor for details about certification.

COURSES

ACCOUNTING (ACCTG)

2013 PRINCIPLES OF ACCOUNTING I, 3 hours credit

Basic principles of accounting, including use of journals, ledgers, controlling accounts, work sheets, and financial statements. Lecture 3 hours. Prerequisite: Sophomore standing or by consent of department chairman.

2023 PRINCIPLES OF ACCOUNTING II, 3 hours credit

Continuation of theory presented in Principles of Accounting 2013, with special emphasis on partnerships, corporations, bonds, sinking funds, reserve depreciation and problems of valuation. Lecture 3 hours. Prerequisite: ACCTG 2013.

3013 INTERMEDIATE ACCOUNTING I, 3 hours credit

A review of the fundamental processes of accounting with an emphasis on the basic accounting process, procedures and working papers, statements, cash receivables, liabilities, and inventory pricing and planning. Lecture 3 hours. Prerequisite: ACCTG 2023.

3023 INTERMEDIATE ACCOUNTING II, 3 hours credit

Continuation of Intermediate 3013, with emphasis on corporation capital stock, retained earnings, dividends, income taxes, and analysis and interpretation of accounting data. Lecture 3 hours. Prerequisite: ACCTG 3013.

3133 COST ACCOUNTING, 3 hours credit

An introduction to the basic principles and analytical process of cost accounting. The areas discussed include departmentalization, expense allocation, process and job-lot costing, distribution costs, profit-volume relationships and direct costing. Lecture 3 hours. Prerequisite: ACCTG 2023.

3213 MANAGERIAL ACCOUNTING, 3 hours credit

The analysis and interpretation of accounting information for managerial decision making, forecasting, and control. Designed for non-accounting majors. No credit for accounting majors. Lecture 3 hours. Prerequisite: ACCTG 2023.

3313 GOVERNMENTAL ACCOUNTING, 3 hours credit

Characteristics of governmental organizations at various levels, including federal, municipal, and other public entities. Budgetary accounts, fund concepts, financial reports, types of funds, and new concepts in reporting are included. Lecture 3 hours. Prerequisite: ACCTG 2023.

3413 PETROLEUM ACCOUNTING, 3 hours credit

Financial accounting principles, policies, practices, and procedures used by oil and gas producers. Lecture 3 hours. Prerequisite: 9 hours of Accounting.

4013 INCOME TAX ACCOUNTING, 3 hours credit

Consideration of present income tax laws, tax problems, preparation of tax returns for individuals. Lecture 3 hours. Prerequisite: 12 hours of Accounting.

4023 CORPORATE INCOME TAX, 3 hours credit

A study of current laws and practice as they relate to Income Tax for Partnerships, Corporations, including Subchapter "S" entities. Gift and Estate tax law and practice will also be explored. Prerequisite: Income Tax Accounting.

4113 ADVANCED ACCOUNTING THEORY, 3 hours credit

A comprehensive study of partnership accounting, trustee accounting, and consolidated statements. Lecture 3 hours. Prerequisites: ACCTG 3023.

4213 AUDITING, 3 hours credit

Auditing theory, auditing procedures and techniques. Lecture 3 hours. Prerequisite: 18 hours of Accounting including ACCTG 4113.

4413 C.P.A. PROBLEMS, 3 hours credit

An overview of accounting practice and theory based on current Financial Accounting Standards Board regulations. Lecture 3 hours. Prerequisite: 21 hours of Accounting including ACCTG 4113.

4471-3 SEMINAR IN ACCOUNTING, 1-3 hours credit

Seminar presentation and special studies in topics of current interest to the accounting professional. Prerequisite: Permission of Department Chairman.

4491-3 INDEPENDENT STUDY IN ACCOUNTING, 1-3 hours credit

Independent readings and/or study of specific problems or special subjects in Accounting based upon pre-approved outlines of plans with conferences and/or written reports. Prerequisite: Permission of the Department Chairman and 9 upper division hours in Accounting.

ECONOMICS (ECON)**1013 ECONOMIC HISTORY OF UNITED STATES, 3 hours credit**

A survey of the economic development of the United States from early colonial economics through frontier stages to the present day mass industrial complexes. Lecture 3 hours.

2013 PRINCIPLES OF ECONOMICS I, 3 hours credit

An introduction to, and analysis of, the general concepts of the American capitalistic system; supply and demand; the determinants of the level of total output, employment, and prices; monetary policy; and American economic growth policies.

2023 PRINCIPLES OF ECONOMICS II, 3 hours credit

A continuation of Economics 2013 with analysis of the concepts of allocation of resources to the firm and the distribution of final output to the individual; domestic economic problems of agriculture, unions, monopoly, and social goods; international trade and payments; and foreign economics. Prerequisite: ECON 2013.

3013 MICRO ECONOMIC THEORY, 3 hours credit

An analysis of the over-all functioning of the price system and of the modern business firm in a private enterprise, market-type economy. The relation of price, quantity, and profit under competition and imperfect competition. Prerequisite: ECON 2023.

3023 MACRO ECONOMIC THEORY, 3 hours credit

National income concepts; aggregate demand by household, business, government, and foreign sectors; determination of national income, interest rate, prices, output, and employment levels. Prerequisite: ECON 2023.

3313 MONEY AND BANKING, 3 hours credit

Historical survey of money and the evolution of banking; organization and the operation of banks, monetary theory and markets, and the functions of the Federal Reserve System. Lecture 3 hours. Prerequisite: ECON 2023.

3433 LABOR PROBLEMS, 3 hours credit

Problems of labor in an industrial society, wages, hours, working conditions, conflicts between management and labor, principles of labor law. Lecture 3 hours. Prerequisite: ECON 2023.

4213 URB ECONOMIC PROBLEMS, 3 hours credit

A study of the nature and the direction of growth of urban economics; intra-metropolitan development and land use; and the relationship between urban governments and such problems as housing, transportation, commercial and industrial development. Lecture 3 hours. Prerequisite: ECON 3013.

4413 COMPARATIVE SYSTEMS, 3 hours credit

Comparative analysis of the economic theory and institutions of capitalism, socialism, communism, and facism. Lecture 3 hours. Prerequisite: ECON 2023.

FINANCE (FIN)**2643 INSURANCE, 3 hours credit**

Basic principles of insurance and the management of insurable risks in a business organization and personal use of insurance. An analysis of fire, casualty, liability, life, and health insurance; as well as the various types of insurance organizations. Lecture 3 hours.

2813 FUNDAMENTALS OF REAL ESTATE, 3 hours credit

Basic principles with elementary discussion of title and transfer, value, liens, financing, taxes. Professional ethics of the Real Estate Business. Forty-five hours of instruction. Prerequisite: ECON 2013 or permission.

2823 ADVANCED REAL ESTATE PRINCIPLES AND PRACTICES, 3 hours credit

Emphasis on practical and operational problems of the broker; transferring title, contract law, mortgage theory and current mortgage practice, property valuation, investment and taxation, agency, real estate broker practice, license law and transaction closing. Successful completion qualifies persons to sit for Broker's Licensing Examination. Lecture 3 hours. Prerequisite: FIN 2813 or equivalent.

3603 PRINCIPLES OF FINANCE, 3 hours credit

A basic course in financial structure; sources, acquisition and management of short-term and long-term funds in both the money and capital markets; money market; instruments; the comparative evaluation of corporate capital structure in terms of risk, control and flexibility. Lecture 3 hours. Prerequisites: ECON 2023 and ACCTG 2023.

3623 INVESTMENTS, 3 hours credit

An introduction to the appraisal of securities and the management of investment in the various types of securities and on the concepts of asset and portfolio management. Lecture 3 hours. Prerequisite: FIN 3603 or departmental permission.

4333 FINANCIAL MANAGEMENT, 3 hours credit

A detailed examination of financial management decision making techniques. The case study method is used with the aid of micro-computer software to cover the following topics: Cash and profit planning, asset management, capital structure, capital budgeting, and firm valuation, including mergers and acquisitions. Lecture 3 hours. Prerequisite: FIN 3603.

DEPARTMENT OF ADMINISTRATIVE SCIENCES

CHAIRMAN - Sue Seymour, Associate Professor

Associate Professors: N. Brooks, Chester, Lair, Wilson

Assistant Professors: S. Miller, W. Stevens, Tarapata

Instructor: Reeder

The Department of Administrative Sciences offers a program leading to the Bachelor of Science degree with a major in Business Administration. Academic advisement for students pursuing this degree with a specialization in economics or finance is provided by the faculty in the Department of Accounting and Finance.

The department also offers a certificate program in Secretarial and General Clerical.

BACHELOR OF BUSINESS ADMINISTRATION

I. GENERAL EDUCATION REQUIREMENTS..... 50 hours

Students who major in Business Administration are encouraged to select their elective hours in general education from courses outside the Division of Business.

II. MAJOR-MINOR..... 54 hours

Core Courses..... 33 hours

DATA P 1013 Introduction to Data Processing

ACCTG 2013 Principles of Accounting I

ACCTG 2023 Principles of Accounting II

ECON 2023 Principles of Economics II

BUS 2113 Business Communications

MGMT 3013 Principles of Management

BUS 3213 Business Law

MKTG 3413 Principles of Marketing

FIN 3603 Principles of Finance

BUS 3613 Business Statistics

BUS 4633 Business Policy

Specialization..... 21 hours

Individuals who major in Business Administration must complete one of the following controlled areas of Specialization.

Economics (Advisement in the Department of Accounting and Finance)

ECON 3013 Micro Economic Theory

ECON 3023 Macro Economic Theory

Upper-Division Economics (6 hours)

Upper-Division Electives (9 hours)

Chosen from any Psychology, Mathematics, Social Science, Technology, and/or Business Division courses, except for those courses prefixed Shorthand, Typewriting, and Office Administration.

Management

ACCTG 3213 Managerial Accounting

MGMT 3513 Personnel Management

MGMT 3613 Production Management

MGMT 4023 Problems of Administration

or MGMT 4033 Case Study in Small Business

Upper-Division Management (6 hours)

Upper-Division Elective (3 hours)

Selected from the following:

SOC 3383 Industrial Sociology

MATH 4113 Introduction to Operations Research

COMM 3313 Advanced Business and Professional Speaking

COMM 3353 Conference Leadership

COMM 3383 Corporate and Organizational Communication

COMM 3393 Interpersonal Communication

DATA P 4013 Small Business Application of Microcomputers

DATA P 4023 Business Applications of Computer Graphics

Finance (Advisement in the Department of Accounting and Finance)

FIN 2643 Insurance

or FIN 2813 Fundamentals of Real Estate

FIN 3623 Investments

ECON 3313 Money and Banking

FIN 4333 Financial Management

Upper Division Electives (9 hours)

Chosen from any Mathematics and/or Business Division course, except for those prefixed Shorthand, Typewriting, and Office Administration.

Marketing

ECON 3013 Micro Economics

or ECON 3023 Macro Economics

MKTG 3533 Sales Management

MKTG 3433 Retailing

MKTG 4433 Advertising

Upper-Division Electives (9 hours)

Chosen from any Business Division courses, except for those courses prefixed Shorthand, Typewriting, and Office Administration.

General Business Administration

ACCTG 3213 Managerial Accounting

MGMT 3513 Personnel Management

Upper-Division Electives (15 hours)

Chosen from any Business Division courses, except for those courses prefixed Shorthand, Typewriting, and Office Administration, with no more than 6 hours from any one area.

Office Administration

OF ADM 1213 Business Computations

TYPE 3003 Advanced Typewriting

OF ADM 3013 Office Procedures

OF ADM 3123 Office Management

Electives (9 hours)

Chosen from any upper-division Business Division courses approved by advisor.

IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

Teacher Licensure/Certification

Cameron University offers a program leading to licensure/certification in Business. Degree requirements are not necessarily identical with certification requirements. Consult the Teacher Certification Catalog and your departmental advisor for details about certification.

SECRETARIAL AND GENERAL CLERICAL 40-HOUR CERTIFICATION PROGRAM

Students desiring to participate in these programs should consult an advisor in the Office Administration area in the Business Division. Persons in the program must complete the general requirements and the specialized requirements for either the Secretarial or the General Clerical option. Students who complete the program and make application to the Chairman of the Department of Administrative Sciences will receive a certificate stating that the program has been completed.

GENERAL REQUIREMENTS 33 hours

ENGL 1003* Basic English

or ENGL 1113 English Composition I

BUS 1113 Introduction to Business

ECON 2013 Economics

ACCTG 2013 Accounting

OF ADM 1213 Business Computations

BUS 2113 Business Communications

OF ADM 3123 Office Management

TYPE 3003 Advanced Typewriting

OF ADM 3013 Office Procedures

OF ADM 2013 Information Processing

OF ADM 3133 Advanced Information Processing

SPECIALIZED REQUIREMENTS 7 hours

SECRETARIAL

Must include OF ADM 3113 and SH 3113 and approved elective.

GENERAL CLERICAL

Must include ACCTG 2023 and approved electives.

*ENGL 1003 will not count toward a four-year degree program.

COURSES

BUSINESS (BUS)

1113 INTRODUCTION TO BUSINESS, 3 hours credit

A general survey of the more significant principles, problems, and practices involved in the administration of business enterprises. No credit for juniors and seniors who are business administration or accounting majors. Lecture 3 hours.

2113 BUSINESS COMMUNICATIONS, 3 hours credit

Essential qualities of business writing; managerial approach in writing a variety of letter types; relationship of external structure and layout to effective business writing. Lecture 3 hours. Prerequisites: ENGL 1113 or the equivalent and TYPE 1003 or equivalent.

2210-3 SPECIAL STUDIES, 0-3 hours credit

A study of special Business areas or problems. Areas of study will vary from semester to semester and from one discipline area of Business to another. The course may be repeated for additional credit with departmental permission. Prerequisite: As listed for each separate offering and/or departmental permission.

3213 BUSINESS LAW I, 3 hours credit

An overview of the legal system, principles of contract law, Uniform Commercial Code and how it has changed contract law, rights of debtors and creditors and bankruptcy. Lecture 3 hours. Prerequisite: Junior standing or departmental permission.

3223 BUSINESS LAW II, 3 hours credit

A continuation of Business Law I. Agency, partnership, and corporate law with an emphasis on selecting the form of business organization. Sections on personal and real property, bailments, and real estate transactions. A brief look at wills, estates, and trusts. Lecture 3 hours. Prerequisite: BUS 3213.

3613 BUSINESS STATISTICS, 3 hours credit

An introduction to quantitative tools used in business analysis. Measures of central tendency, dispersion, uncertainty, statistical inference, and sampling are covered, as well as regression and correlation, time series analysis, index numbers, and seasonal-cyclical variations. Lecture 3 hours. Prerequisite: MATH 1913.

3880-4 WORKSHOP, 0-4 hours credit

A course designed to emphasize specific Business and/or Economic topics. Combines the use of lectures and practical application exercises. May be repeated for a maximum of 6 credit hours. Prerequisite: Junior standing and permission of Departmental Chairman if taken for credit; permission of Department Chairman if taken for no credit.

4023 BUSINESS OPERATIONS RESEARCH, 3 hours credit

Managerial decision-making processes and techniques. Includes a discussion of the environment of decision-making with emphasis on quantitative techniques such as linear programming, queuing theory, game theory, PERT analysis, Markov analysis, and inventory models. Prerequisite: BUS 3613.

4213 CPA LAW REVIEW, 3 hours credit

Phases of law of interest to public accountants, with special preparation for the CPA examination. General review of the principles of contracts, sales, agency, partnership, corporations, suretyship, property, and bankruptcy. Study of secured transactions, commercial paper, securities regulations, accountants liability, insurance, and employment. Prerequisite: 6 hours of Business Law and 6 hours of Accounting.

4471-3 SEMINAR IN BUSINESS, 1-3 hours credit

Group projects designed to meet special needs of students in any of the disciplines of the Business Department. Prerequisite: Permission of Department Chairman.

4491-3 INDEPENDENT STUDY IN BUSINESS, 1-3 hours credit

Independent readings and/or study of specific problems or special subjects, based on preapproved outlines of plans, with conferences and/or written reports. Prerequisite: Nine upper-division hours in the discipline of the independent study and permission of the Department Chairman.

4633 BUSINESS POLICY, 3 hours credit

A capstone course designed to integrate earlier studies in business administration into a viable, realistic approach to business problems. Emphasis is on comprehensive case studies and simulation gaming as students participate in applying principles, practices and techniques to complex problems at the executive level. Lecture 3 hours. Prerequisites: FIN 3603 and graduating senior status, and permission of Department Chairman.

4772 METHODS OF TEACHING BUSINESS SUBJECTS, 2 hours credit

Content, objectives, materials, specific methods as they apply to the skills and non-skill areas of business curriculum. Lecture 2 hours. Prerequisite: Senior standing.

MANAGEMENT (MGMT)**2033 SMALL BUSINESS MANAGEMENT, 3 hours credit**

A study of policies, practices, and procedures in small firms. The emphasis is on decision making without constraints encountered in smaller firms for more effective management. Lecture 3 hours.

2213 SUPERVISORY MANAGEMENT, 3 hours credit

Study of the problems of entry level managers arising from legal constraints, manpower requirements, employee behavior, and other business-environment problems. Lecture 3 hours.

3013 PRINCIPLES OF MANAGEMENT, 3 hours credit

An introductory management course dealing with the fundamental principles of management: planning, organizing, and controlling. Lecture 3 hours. Prerequisite: Junior standing or permission.

3513 PERSONNEL MANAGEMENT, 3 hours credit

A foundation course in the principles and practices of personnel management. Organization and operation of the personnel function. Consideration of key personnel problems in the area of procurement, placement, training, promotion, remuneration, and separation. Lecture 3 hours. Prerequisite: MGMT 3013 or departmental permission.

3613 PRODUCTION MANAGEMENT, 3 hours credit

A study of the manufacturing process emphasizing the planning of production facilities, quality control systems, and production control system. Lecture 3 hours. Prerequisites: MGMT 3013 and BUS 3613.

3813 LABOR MANAGEMENT RELATIONS, 3 hours credit

Study of the relationships between management and labor: contract negotiations, grievance procedures, and arbitration in the public and private sectors. Lecture 3 hours. Prerequisite: MGMT 3513.

4013 ORGANIZATIONAL BEHAVIOR, 3 hours credit

Concerns the application of knowledge relating to human behavior theory as it applies to the business environment. Includes motivation theory, leadership patterns, organization climate, interpersonal relations, intergroup behavior, etc. Emphasis is on behavioral research findings. Lecture 3 hours. Prerequisite: MGMT 3513.

4023 PROBLEMS OF ADMINISTRATION, 3 hours credit

Judgment in practical applications of management principles, with emphasis on the situational approach in integrating people and production-oriented problems. Lecture 3 hours. Prerequisite: 9 hours of management including MGMT 3513.

4033 CASE STUDY IN SMALL BUSINESS, 3 hours credit

An internship program to involve the study in identifying problems and recommending solutions in actual business situations. Prerequisites: FIN 3603, senior standing, and permission of department chairman.

4143 MANAGERIAL COMMUNICATION, 3 hours credit

Application of communication theory and techniques to management situations. Development of oral written communication skills as effective administrative tools. Lecture 3 hours. Prerequisite: BUS 2113.

4471-4 SEMINAR IN MANAGEMENT, 1-4 hours credit

Group study of specified topics in management for undergraduate students. Can be repeated for a maximum of 9 hours credit under different topic titles. Prerequisites: 9 hours of upper-division management and permission of the department chairman.

4491-4 INDEPENDENT STUDY IN MANAGEMENT, 1-4 hours credit

Independent study of specified topics in management for undergraduate students. Prerequisites: Senior standing, 9 upper-division hours in management, and permission of the department chairman.

MARKETING (MKTG)

3413 PRINCIPLES OF MARKETING, 3 hours credit

A basic course utilizing a managerial approach to the study and development of marketing with emphasis on marketing strategy and development of marketing mix. Lecture 3 hours. Prerequisite: Junior standing or departmental permission.

3423 CONSUMER MOTIVATION AND BEHAVIOR, 3 hours credit

An examination of the internal and external influences on buyer behavior; analysis of the buying process; consumer decision-making; aggregate consumer behavior overtime. Lecture 3 hours. Prerequisite: MKTG 3413, Junior standing.

3433 RETAILING, 3 hours credit

Designed to assist students seeking a knowledge of the retail field. Principles and methods of organizing and operating a retail firm with particular emphasis on store layout, buying, pricing, sales promotion, control of stock, and evaluation. Lecture 3 hours. Prerequisites: MKTG 3413 and MGMT 3013.

3533 SALES MANAGEMENT, 3 hours credit

Problems of organization; planning and control of sales; formulation of sales policies and the operation of a sales force. Using the principles of selling along with supervising a sales program. Lecture 3 hours. Prerequisite: MGMT 3013.

4433 ADVERTISING, 3 hours credit

A survey of the various advertising media; planning and evaluating advertising materials. Lecture 3 hours. Prerequisite: Senior standing or permission.

4481-3 SEMINAR IN MARKETING, 1-3 hours credit

Study of specified topics in marketing. Can be repeated for a maximum of 9 hours credit under different topic titles. Prerequisites: MKTG 3413 and departmental permission.

OFFICE ADMINISTRATION (OF ADM)

1111 KEYBOARDING, 1 hour credit

Development of touch system of keyboarding to facilitate entry of data on computer terminals.

1213 BUSINESS COMPUTATIONS, 3 hours credit

Business applications of basic mathematics, including the utilization of calculators. Lecture 3 hours.

2013 INFORMATION PROCESSING, 3 hours credit

Practice and theory relating to the operation of office machines. Includes equipment such as transcribing machines, automatic typewriting equipment, word processing equipment, duplicating equipment, etc., and their applications. Prerequisite: TYPE 1003 or equivalent.

3013 OFFICE PROCEDURES, 3 hours credit

Information of basic office services. Subjects include office communication, records management, mail and shipping procedures, public relations duties, office supplies, etc., and their application to business situations. Class 3 hours. Prerequisite: TYPE 1003 or equivalent.

3113 SECRETARIAL PROCEDURES, 3 hours credit

Pertaining to the duties and responsibilities of an executive secretary or administrative assistant. Case studies and realistic office problems serve to acquaint students with proper procedures. Lecture 3 hours. Prerequisites: OF ADM 3013.

3123 OFFICE MANAGEMENT, 3 hours credit

Instruction pertaining to office organization, planning and control. Covers the basic responsibilities and problems of the Office Manager. Lecture 3 hours. Prerequisite: Junior standing.

3133 ADVANCED INFORMATION PROCESSING, 3 hours credit

Expansion of students' knowledge and skill in operating word processing equipment and generating reports for business applications. Class 3 hours. Prerequisite: OF ADM 2013.

SHORTHAND (SH)

1013 BEGINNING SHORTHAND, 3 hours credit

Fundamental principles of shorthand followed by dictation of vocabulary and letter material. Students with one year of high school credit in shorthand should not enroll without special permission of the instructor. Class 5 hours.

1023 INTERMEDIATE SHORTHAND, 3 hours credit

A continuation of beginning shorthand with study of the advanced principles of shorthand and advanced letter writing. Students with two years of high school credit in shorthand should not enroll without special permission of the instructor. Class 4 hours. Prerequisite: SH 1013 or equivalent.

3113 ADVANCED DICTATION, 3 hours credit

Development of advanced skill in dictation and transcription. Technical dictation of a varied nature. Class 3 hours. Prerequisites: SH 1023.

TYPEWRITING (TYPE)

1003 BEGINNING TYPEWRITING, 3 hours credit

A course for beginning students in typewriting; covers mastery of keyboard skill development, and practice in typewriting letters and simple reports. Students with one year of high school credit in typewriting should not enroll without special permission of the instructor. Class 5 hours.

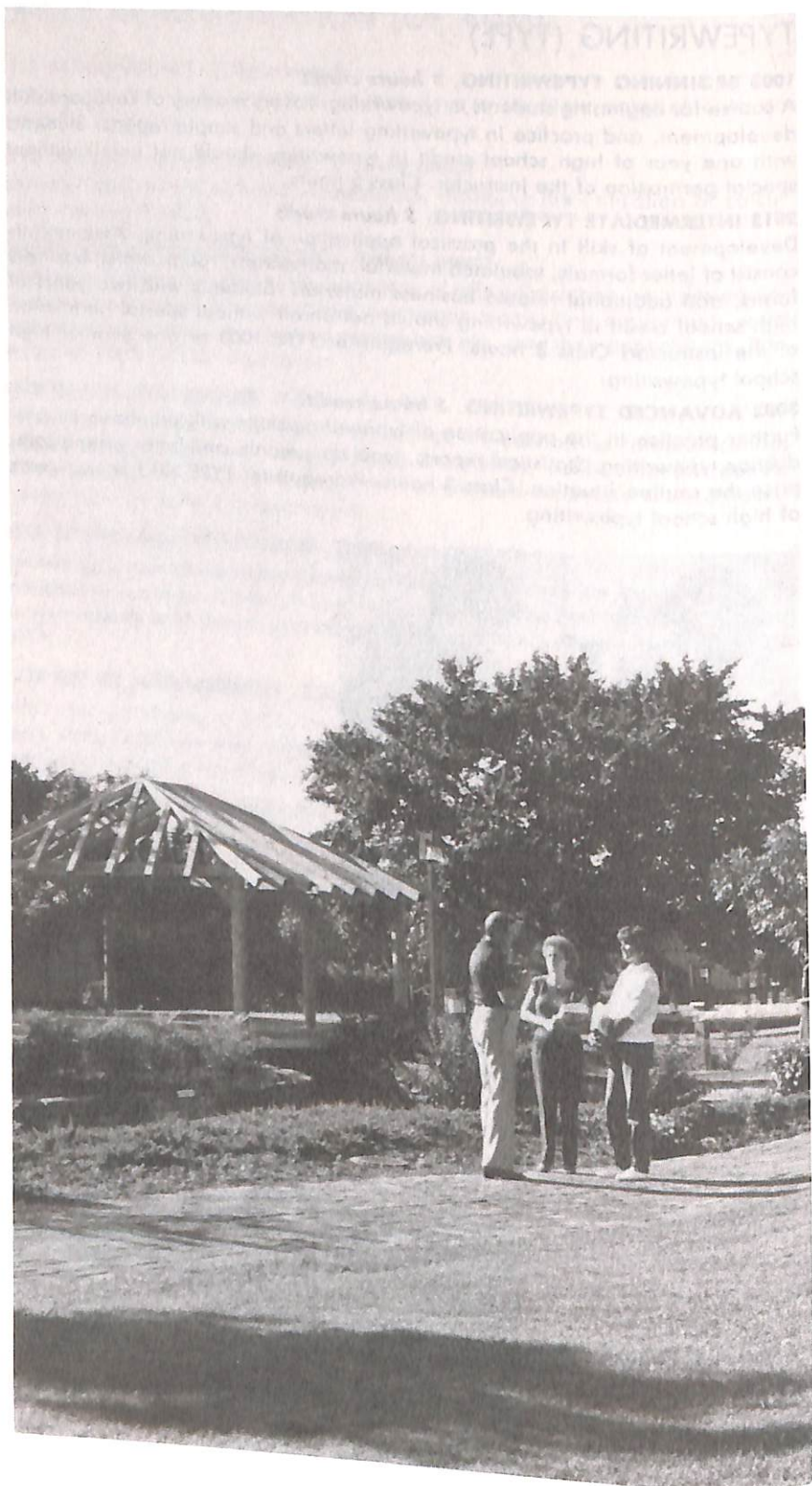
2013 INTERMEDIATE TYPEWRITING, 3 hours credit

Development of skill in the practical application of typewriting. Assignments consist of letter formats, tabulated material, manuscripts, rough drafts, business forms, and additional related business materials. Students with two years of high school credit in typewriting should not enroll without special permission of the instructor. Class 3 hours. Prerequisite: TYPE 1003 or one year of high school typewriting.

3003 ADVANCED TYPEWRITING, 3 hours credit

Further practice in the application of typewriting skills with emphasis on production typewriting. Statistical reports, legal documents, and letter writing comprise the routine situation. Class 3 hours. Prerequisite: TYPE 2013 or two years of high school typewriting.





DIVISION OF EDUCATIONAL AND BEHAVIORAL ARTS AND SCIENCES

Head, Billye Van Schuyver
Professor of Education and Psychology
Director of Teacher Education

DEPARTMENT OF EDUCATION
AND
PSYCHOLOGY
DEPARTMENT OF HOME
ECONOMICS
DEPARTMENT OF HEALTH
AND
PHYSICAL EDUCATION
TEACHER EDUCATION

DEPARTMENT OF EDUCATION AND PSYCHOLOGY

CHAIRMAN - Scott Hopkins, Associate Professor

Professors: Bruce, K. McKellips, Parker, Prichard, Tyson, Van Schuyver

Associate Professors: Ellis, James

Assistant Professors: Bonnington, Loring, Morse, Rubin, White

The Department of Education and Psychology offers programs leading to the Bachelor of Science Degree with a major in Elementary Education and to teaching licenses in Elementary, Elementary-Secondary and Secondary Education; and a Bachelor of Science degree with a major in Psychology.

BACHELOR OF SCIENCE DEGREE MAJOR IN ELEMENTARY EDUCATION

- I. GENERAL EDUCATION REQUIREMENT 50 hours

Must include PSYCH 1113 General Psychology,
EDUC 3103 History and Philosophy of Education

- II. MAJOR 40 hours

Required Courses:

MUSIC 3683 Music for Elementary Teachers

EDUC 3143 Methods and Materials in
Elementary Language Arts

EDUC 3153 Reading Instruction I

EDUC 3253 Reading Instruction II

EDUC 3163 Methods and Materials in
Elementary Mathematics

EDUC 3172 Methods and Materials in
Elementary Natural Science

EDUC 3183 Methods and Materials in
Elementary Social Studies

HPET 3352 Physical Education in the
Elementary School

MATH 3353 Mathematics for Elementary
Teachers I

MATH 3363 Mathematics for Elementary
Teachers II

LIB SC 4123 Children's Literature

ART 4233 Art for Elementary Teachers

EDUC 4153 Diagnostic and Remediation of
Reading Difficulties

EDUC 4253 Reading in the Content Areas

- III. AREA OF CONCENTRATION 18 hours

All students completing the elementary education major will have an area of concentration in reading—EDUC 3143, 3153, 3253, 4153, 4253 and LIB SC 4123 are the required 18 hours necessary for the fulfillment of this graduation requirement. Students who wish to teach in a junior high school should complete 18 hours in an approved content area. Consult Teacher Certification Catalog for further details.

- IV. PROFESSIONAL EDUCATION 32 hours
- EDUC 2003 Introduction to Teaching
 - EDUC 3001-3 Field Experience with Children and Youth
 - EDUC 3103 Exceptional Child
 - PSYCH 3343 Psychology of Childhood
 - PSYCH 3352 Educational Psychology
 - PSYCH 4032 Tests and Measurements
 - *EDUC 4232 Audio-Visual Education
 - *EDUC 4011 Classroom Management & Parent/School Relations
 - *EDUC 4101 Computer Literacy for Teachers
 - *EDUC 4106 Directed Observation and Student Teaching in Primary Grades
 - *EDUC 4206 Directed Observation and Student Teaching in Intermediate Grades

*Should be taken in the professional semester

V. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

Teacher Licensure/Certification

The student who completes the requirements for this degree and passes the State Teacher Certification Test in Elementary Education will be eligible to apply for a teaching license. Consult the Teacher Certification Catalog for further details.

BACHELOR OF SCIENCE DEGREE MAJOR IN PSYCHOLOGY

- I. GENERAL EDUCATION REQUIREMENTS..... 50 hours
- II. MAJOR 36 hours
- Required Courses** 21 hours
- PSYCH 1113 General Psychology
 - PSYCH 3013 Methods of Psychological Research*
 - PSYCH 3323 Psychology of Adolescence
 - PSYCH 3343 Psychology of Childhood
 - PSYCH 3383 Social Psychology
 - PSYCH 4363 Abnormal Psychology
 - PSYCH 4393 Personality
- Electives** 15 hours
- Selected from the following list with a minimum of 9 hours having Psychology prefix 3000 or above.
- PSYCH 2113 History and Systems of Psychology
 - PSYCH 2223 Applied Psychology
 - PSYCH 3413 Psychology of Learning
 - PSYCH 4223 Experimental Psychology
 - PSYCH 4313 Psychological Testing
 - PSYCH 4333 Seminar in Psychology
 - SOCI 3003 Deviant Behavior
 - SOCI 3323 Collective Behavior
- III. MINOR..... 18 hours

IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

*STAT 3003 Introduction to Statistics is required for Psychology majors as a prerequisite to PSYCH 3013 Methods of Psychological Research. Statistics 3003 may be used to fulfill the general education mathematics requirements. However, students with insufficient high school mathematics background must complete MATH 1213 or 1115 before enrolling in STAT 3003.

Cameron University offers a program leading to a Special Endorsement teaching credential in Psychology. Consult the Teacher Certification Catalog and your departmental advisor for further details.

COURSES

EDUCATION (EDUC)

1003 BASIC READING SKILLS, 3 hours credit

Includes a reading diagnosis, developmental instruction in reading comprehension, vocabulary and study skills, and individual practice to improve weaknesses. DOES NOT SATISFY ANY GENERAL EDUCATION REQUIREMENT. Lecture 3 hours.

1011 COLLEGE READING IMPROVEMENT, 1 hour credit

Assists students in improvement of reading speed and specific study skills needed for college work. For students with ACT composite score of 16 or above, or Nelson-Denny Reading Test total score of 35th percentile or above. DOES NOT SATISFY ANY GENERAL EDUCATION REQUIREMENT. Laboratory 2 hours.

2003 INTRODUCTION TO TEACHING, 3 hours credit

An orientation course in education prerequisite to all other professional education courses. Introduces students to the place of education in a democratic society, and to the basic principles and techniques of teaching; the scope and organization of the public school system in the U.S., and the place of the teacher in the school and community. Those enrolling in this course must concurrently enroll in Education 3001. Prerequisite: Second Semester Freshman standing.

2880-3 SELECTED TOPICS IN EDUCATION, 0-3 hours credit

Directed individual or group study of selected topics in education. The course may be repeated for additional credit with departmental permission. Prerequisite: As listed for each separate offering and/or departmental permission.

3001-3 FIELD EXPERIENCE WITH CHILDREN AND YOUTH, 1-3 hours credit

Supervised experiences in working with children and youth in school and/or community activities. Individual program planned for each student. May be repeated for a maximum of three hours. Prerequisites: EDUC 2003 and Admission to Teacher Education.

3013 HISTORY AND PHILOSOPHY OF EDUCATION, 3 hours credit

A survey of the development of education in western civilization including the historical developments and philosophical beliefs shaping education in the United States. Lecture 3 hours.

3143 METHODS AND MATERIALS IN ELEMENTARY LANGUAGE ARTS, 3 hours credit

Methods and techniques of teaching developmental skills in listening, speaking, writing, and spelling in the elementary grades. Lecture 3 hours. Prerequisites: EDUC 2003 and PSYCH 3343.

3153 READING INSTRUCTION I, 3 hours credit

Principles and practices of teaching reading grades K through 3 with emphasis upon the development of reading readiness and beginning reading skills.

3163 METHODS AND MATERIALS IN ELEMENTARY MATHEMATICS, 3 hours credit

The development of mathematical concepts and skills with emphasis placed on score, sequence, selection and organization of content and materials; teaching and learning procedures in relevant setting. Diagnostic and evaluative procedures appropriate to grades K-8. Lecture 3 hours. Prerequisites: EDUC 2003, PSYCH 3343, and MATH 3353.

3172 METHODS AND MATERIALS IN ELEMENTARY NATURAL SCIENCE, 2 hours credit

A survey of elementary science content and materials; including the exploration and evaluation of organizational programs; and laboratory experiences in developing effective teaching methods. Lecture 2 hours. Prerequisites: EDUC 2003 and PSYCH 3343.

3183 METHODS AND MATERIALS IN ELEMENTARY SOCIAL STUDIES, 3 hours credit

Materials, procedures and functions of teaching the social studies in the elementary grades. Incorporates methods of teaching with appropriate social studies concepts. Prerequisite: EDUC 2003.

3253 READING INSTRUCTION II, 3 hours credit

Principles and practices of teaching reading in grades 4 through 8 with emphasis upon vocabulary development, reading-study skills, and reading in the content fields. Prerequisite: EDUC 3153.

3880-2 WORKSHOP, 0-2 hours credit

Course designed to give intensive emphasis to a specific topic(s) relating to elementary and/or secondary education. May be repeated for a maximum of 4 hours credit. Prerequisite: Junior standing and permission.

4011 CLASSROOM MANAGEMENT AND PARENT-SCHOOL RELATIONS, 1 hour credit

Techniques for arranging and structuring the classroom environment to maximize learning. Techniques for developing effective communication with parents during scheduled and unscheduled conferences. Implications of legal aspects of teaching and cultural pluralism are included. Prerequisite: Admission to Student Teaching.

4032 TESTS AND MEASUREMENTS, 2 hours credit

Uses and construction of educational tests and measurements for the purpose of classification of students and determination of their achievement in subjects studied in public schools. Lecture 2 hours. Prerequisite: Admission to Student Teaching.

4101 COMPUTER LITERACY FOR TEACHERS, 1 hour credit

Educational application of the non-technical and the low-technical aspects of the capabilities and limitations of micro-computers. Clarification of the necessary terminology and educational implications of micro-computers. Prerequisite: Admission to Student Teaching.

4103 INTRODUCTION TO LEARNING DISABILITIES, 3 hours credit

A study of specific learning disabilities, with emphasis on theories, definitions, and identification of learning disabled children and adolescents; and diagnosis, placement, and management procedures. Lecture 3 hours. Prerequisites: EDUC 3103.

4106 DIRECTED OBSERVATION AND STUDENT TEACHING IN PRIMARY GRADES, 6 hours credit

(For Elementary Education Majors. Those enrolling in this course must concurrently enroll in Education 4206.) Observation, participation and teaching, and the directing of extraclass group activities under the guidance of a selected primary grades classroom teacher. Prerequisite: Admission to Student Teaching.

4116 DIRECTED OBSERVATION AND STUDENT TEACHING IN THE JUNIOR HIGH SCHOOL, 6 hours credit

(For Secondary Education Majors. Those enrolling in this course must concurrently enroll in Education 4216.) Observation, participation and teaching, and the directing of extraclass group activities under the guidance of a selected junior high classroom teacher. Prerequisite: Admission to Student Teaching.

4126 DIRECTED OBSERVATION AND STUDENT TEACHING IN THE ELEMENTARY SCHOOL, 6 hours credit

(For students who are majoring in Art, Music, and in Health and Physical Education. Those enrolling in this course must concurrently enroll in Education 4226.) Observation, participation and teaching, and the directing of extraclass group activities under the guidance of a selected elementary classroom teacher. Prerequisite: Admission to Student Teaching.

4153 DIAGNOSIS AND REMEDIATION OF READING DIFFICULTIES, 3 hours credit

A study of methods of diagnosis of reading difficulties and techniques of remediation of such difficulties. Includes supervised work with a child with reading problems. Prerequisite: EDUC 3253.

4203 EDUCATION OF THE GIFTED CHILD, 0-3 hours credit

Introduces methods of identifying the gifted/talented child and surveys strategies, methods and techniques for teaching this child. Emphasis is placed on the role of the regular classroom teacher in the identification and educational processes. Lecture 3 hours. Prerequisite: EDUC 3103 or departmental approval.

4206 DIRECTED OBSERVATION AND STUDENT TEACHING IN THE INTERMEDIATE GRADES, 6 hours credit

(For Elementary Education Majors. Those enrolling in this course must concurrently enroll in Education 4106.) Observation, participation and teaching, and the directing of extraclass group activities under the guidance of a selected intermediate grades classroom teacher. Prerequisite: Admission to Student Teaching.

4216 DIRECTED OBSERVATION AND STUDENT TEACHING IN SENIOR HIGH SCHOOL, 6 hours credit

(For Secondary Education Majors. Those enrolling in this course must concurrently enroll in Education 4116.) Observation of a selected senior high classroom teacher. Prerequisite: Admission to Student Teaching.

4226 DIRECTED OBSERVATION AND STUDENT TEACHING IN THE SECONDARY SCHOOL, 6 hours credit

(For students who are majoring in Art, Music, and in Health and Physical Education. Those students enrolling in this course must concurrently enroll in Education 4126.) Observation, participation and teaching, and the directing of ex-

traclass group activities under the guidance of a selected secondary classroom teacher. Prerequisite: Admission to Student Teaching.

4232 AUDIO-VISUAL EDUCATION, 2 hours credit

Techniques in the selection, use, and production of teaching aids; with practice in using audio-visual equipment. Prerequisite: Admission to Teacher Education.

4253 READING IN THE CONTENT AREAS, 3 hours credit

Theories and practices of reading instruction for content area teachers. Assists teachers in the development of student's reading skills in content areas. Also presents theories and techniques to aid in the teaching of students with reading difficulties. Prerequisite: EDUC 2003.

4403 EARLY CHILDHOOD EDUCATION, 3 hours credit

A survey of early childhood curriculum and program planning. Includes history and philosophical background of early childhood education. The three domains of behavior are stressed as attention is given to materials, content, instructional strategies, evaluation techniques and classroom management. Lecture 3 hours. Prerequisites: EDUC 2003 and PSYCH 3343.

4412 CREATIVE PLAY AND PLAYGROUNDS FOR THE YOUNG CHILD, 2 hours credit

Methods of identifying attributes of play and playgrounds in terms of skill development and investigates techniques of interaction to facilitate those skills. Emphasis is placed on the knowledge and sensitivity of the teacher as one who develops an environment to promote cognitive and affective growth and psychomotor skills. Prerequisite: PSYCH 3343.

4772 METHODS OF TEACHING IN THE SECONDARY SCHOOL, 2 hours credit

A study of the development of course objectives, selection and organization of content, teaching materials, and techniques of instruction in the selected teaching field. Prerequisites: Approval of the student's major department and departmental approval.

4881-3 SELECTED TOPICS IN EDUCATION, 1-3 hours credit

Directed group study on a special subject or problem, based upon existing methods and/or instructional techniques which are applicable to teaching in all content areas. Prerequisite: EDUC 2003. May be repeated with departmental approval.

4891-3 SPECIAL STUDIES, 1-3 hours credit

Directed individual study in selected areas of education through research, readings, reports and/or on-site internship. Evaluation will be based on completion of an approved plan of study, with conferences and/or written reports. May be repeated for a total of 3 hours credit. Prerequisites: Junior standing and departmental permission.

SPECIAL EDUCATION (SPED)

3103 THE EXCEPTIONAL CHILD, 3 hours credit

Orientation of elementary and secondary teachers to the characteristics, problems and special needs of exceptional children. Includes information regarding the identification of exceptional children, methods for teaching exceptional children, and sources of referral and assistance to teachers. Prerequisites: PSYCH 1113 and EDUC 2003, or departmental permission.

3123 ASSESSMENT AND EVALUATION IN SPECIAL EDUCATION, 3 hours credit

Psychological and educational diagnostic evaluation of exceptional learners. Study of assessment instruments; their construction, selection, administration;

use in diagnosis and placement of exceptional individuals (ages 0-21). Prerequisite: SPED 3103.

3133 BEHAVIOR INTERVENTION AND MANAGEMENT, 3 hours credit

Methods for managing behavior problems and developing social-emotional skills (including behavior modifications, precision teaching techniques), organization of classroom and materials to promote student learning; methods to motivate students; contingency contracting. Prerequisites: PSYCH 1113 and EDUC 2003.

3143 INTRODUCTION TO SPEECH, HEARING, AND LANGUAGE DISORDERS, 3 hours credit

Introduces techniques for identifying and remediating speech, hearing, and language disorders (ages 0-21). Emphasizes the role of both the classroom teacher and the special educator in the identification and remediation processes. Prerequisite: SPED 3103.

3603 INTRODUCTION TO LEARNING DISABILITIES, 3 hours credit

A study of specific learning disabilities, with emphasis on theories, definitions, and identification of learning disabled children and adolescents; and diagnosis, placement, and management procedures. Prerequisite: SPED 3103.

PSYCHOLOGY (PSYCH)

1113 GENERAL PSYCHOLOGY, 1-3 hours credit

A study of the basic facts and principles of behavior. Lecture 3 hours.

2001-3 SELECTED TOPICS IN PSYCHOLOGY, 3 hours credit

Contemporary and historical concerns of Psychology are explored. A different topic may be presented each semester. Does not apply for Psychology major. Lecture 3 hours. Prerequisite: PSYCH 1113.

2113 HISTORY OF PSYCHOLOGY, 3 hours credit

A study of modern psychology as a science with emphasis on past and present schools of psychological thought. Lecture 3 hours. Prerequisite: PSYCH 1113.

2223 APPLIED PSYCHOLOGY, 3 hours credit

Psychological principles in relation to problems of Business, Industry, Education, Mental Health, or other human enterprises. Lecture 3 hours. Prerequisite: PSYCH 1113.

3013 METHODS OF PSYCHOLOGICAL RESEARCH, 3 hours credit

An introduction to the basic concepts and processes of research in Psychology with emphasis on hypothesis formation, sampling and interpretation of data. Lecture 3 hours. Prerequisites: PSYCH 1113 and STAT 3003.

3323 PSYCHOLOGY OF ADOLESCENCE, 3 hours credit

A study of physical, mental, social, and emotional development of the individual through youth to maturity; observation of adolescents is given attention. Prerequisite: PSYCH 1113.

3333 DEVELOPMENT PSYCHOLOGY, 3 hours credit

A survey of the physical, mental, social, moral, and emotional development of the individual from conception through adolescence. Prerequisite: PSYCH 1113.

3343 PSYCHOLOGY OF CHILDHOOD, 3 hours credit

Intensive study of childhood, with observation of child behavior. Prerequisite: PSYCH 1113.

3352 EDUCATIONAL PSYCHOLOGY, 2 hours credit

Introduction to the science of education; application of the methods and results of experimental psychology to the classroom. Prerequisites: PSYCH 3323 or 3333, 3343, EDUC 2003 and Admission to Teacher Education.

3383 SOCIAL PSYCHOLOGY, 3 hours credit

The study of human behavior as affected by social stimuli. Prerequisite: 6 hours of Psychology.

3413 PSYCHOLOGY OF LEARNING, 3 hours credit

Investigations into the processes of learning in humans and animals. Emphasis is given to behavioral and cognitive approaches. Lecture 3 hours. Prerequisite: PSYCH 3323 or 3343.

4223 EXPERIMENTAL PSYCHOLOGY, 3 hours credit

Studies in the major designs, methods employed and problems in conducting experiments in psychological research. Lecture 3 hours. Prerequisite: PSYCH 3013.

4313 PSYCHOLOGICAL TESTING, 3 hours credit

Principles, practices and procedures of psychological testing are examined. Attention is given to construction, validation and interpretation of measuring instruments in the fields of personality, intelligence, aptitudes and attitudes. Lecture 3 hours. Prerequisite: PSYCH 3013.

4331-3 SEMINAR IN PSYCHOLOGY, 1-3 hours credit

Specific problems or issues of concern to Psychology are given in depth exploration and analysis. A different topic may be presented each semester. (May be repeated for a total of six hours credit.) Lecture 3 hours. Prerequisites: Senior standing and departmental approval.

4363 ABNORMAL PSYCHOLOGY, 3 hours credit

The study of various abnormalities in human behavior with emphasis on the psychoses and neuroses. Lecture 3 hours. Prerequisites: PSYCH 1113 and 3323 or 3343.

4393 PERSONALITY, 3 hours credit

Factors determining and affecting personality, its development and assessment. Lecture 3 hours. Prerequisite: PSYCH 4363.

H DEPARTMENT OF HOME ECONOMICS

Professor: Merritt, McKinley
 Associate Professor: McMahan
 Assistant Professor: Beavers, Pazoureck

The Department of Home Economics offers a program leading to the Bachelor of Science degree with a major in Home Economics. A student may select a major-minor in Home Economics or a major in Home Economics with a minor in another discipline. This program is designed to meet the needs of Home Economics related career personnel and/or non-degree enrollees.

BACHELOR OF SCIENCE DEGREE MAJOR IN HOME ECONOMICS

I. GENERAL EDUCATION REQUIREMENTS..... 50 hours
 Student should elect Chemistry 1015 General Chemistry for Physical Science requirement.

II. MAJOR-MINOR 52-57 hours

Core Courses 38 hours

H EC 1123 Family Relations

H EC 1233 Clothing Selection & Construction
 Techniques

H EC 1313 Food Principles

H EC 1343 Basic Nutrition

H EC 1421 Home Economics Orientation

H EC 2153 Child Development

H EC 2213 Textiles

H EC 3033 Professional Career Development

H EC 3154 Methods and Practicum in the Child
 Development Laboratory

H EC 3593 Housing and Interior Design

H EC 3603 Consumer Economics

H EC 4143 Family Crisis Management

H EC 4423 Home Management

Concentration 12-17 hours

Individuals who choose the major-minor program must complete one of the following concentrations.

CLOTHING, TEXTILES, AND MERCHANDISING (12-15 hours)

H EC 2233 Intermediate Clothing

H EC 3233 Fashion Design

H EC 4233 Tailoring

H EC 4882-3 Individual Study (Principles in Fashion
 Buying and Merchandising Procedures)

H EC 4991-3 Field Experience in Home Economics
 (Select 9-12 hours from the above)

3 to 6 hours from approved electives

EARLY CHILDHOOD (15 hours)

- H EC 3143 Parenthood Education
- H EC 4144 Early Childhood Education:
Aesthetic Experiences
- H EC 4154 Early Childhood Education:
Societal Arts and Skills
- LIB SC 4123 Children's Literature
- EDUC 4403 Early Childhood Education

FOOD AND NUTRITION (15 hours)

- H EC 3313 Nutrition in the Lifecycle
 - H EC 3343 Meal Management
 - H EC 3423 Household Equipment
 - H EC 4313 Quantity Foods
 - H EC 4343 Clinical Nutrition
 - H EC 4482-3 Supervised Field Experience in Food
and Nutrition
- (Select 6-12 hours from above)
3 to 9 hours approved electives

FAMILY LIFE (15 hours)

- H EC 3143 Parenthood Education
 - H EC 4123 Marriage
 - H EC 4133 The Middle Adult Years
 - H EC 4153 Human Sexuality
- 3 hours approved electives in Home Economics

VOCATIONAL HOME ECONOMICS TEACHING (14 hours)

- H EC 2233 Intermediate Clothing
- H EC 3143 Parenthood Education
- H EC 3343 Meal Management
- H EC 3423 Household Equipment
- H EC 4802 Field Experience in Home Economics

- III. MINOR..... 18 hours
Students who do not choose the major-minor program are required to complete the core courses and a minor.
- IV. ELECTIVES SELECTED TO SUPPORT CAREER GOALS AND COMPLETE 128 HOURS FOR GRADUATION.

Teacher Licensure/Certification

Cameron University offers a program leading to licensure/certification in Home Economics. Degree requirements are not necessarily identical with certification requirements. Consult the Teacher Certification Catalog and your departmental advisor for details about certification.

COURSES

HOME ECONOMICS (H EC)

1123 FAMILY RELATIONS, 3 hours credit

An examination of research, issues, challenges, opportunities and trends relating to family interaction over the life-cycle from pre-marital experiences to the post-parental years. Concentrated areas in personal growth and identity,

marriage readiness, male-female role expectations, human sexual behavior and innovative family forms. Lecture 3 hours.

1233 CLOTHING SELECTION AND CONSTRUCTION TECHNIQUES, 3 hours credit

Selection and construction of clothing suited to individual needs, abilities and interests. Problems involving fabric selection, basic fitting and sewing techniques. Lecture/laboratory 6 hours.

1313 FOOD PRINCIPLES, 3 hours credit

Practical experiences in the preparation and preservation of foods to retain maximum nutritive value and to illustrate the chemical and physical principles governing food preparation. Lecture/laboratory 5 hours.

1343 BASIC NUTRITION, 3 hours credit

Introduction to the science of human nutrition through an analysis of the nutrient content of food and the relationship of nutrients to health and disease. Lecture 3 hours.

1421 ORIENTATION TO HOME ECONOMICS, 1 hour credit

An introduction to the history, philosophy and mission of the Home Economics profession. Career options and professional organizations are explored.

1880-3 SPECIAL STUDIES, 3 hours credit

Individual and/or group experiences in Home Economics subject matter areas. Supervision of instruction by faculty member required. May be repeated for additional credit. Prerequisite: Departmental approval.

2153 CHILD DEVELOPMENT, 3 hours credit

Introduction to development growth processes of the child from conception through early childhood to include the physical, mental, emotional and social growth. Observation in the Child Development Center arranged. Lecture 3 hours.

2213 TEXTILES, 3 hours credit

Properties, construction, finishes, use and care of textile fibers for consumer use. Lecture 3 hours.

2233 INTERMEDIATE CLOTHING CONSTRUCTION, 3 hours credit

Application of principles of clothing construction with emphasis on pattern alterations, fitting and advanced construction techniques. Lecture/laboratory 6 hours. Prerequisite: H EC 1233.

3033 PROFESSIONAL CAREER DEVELOPMENT, 3 hours credit

Relationship of appearance and dress in creating a professional image for men and women. Wardrobe selection and color, figure analysis, effective resume design, and interviewing skills; executive etiquette. Career advancement strategies. Prerequisite: Junior standing.

3143 PARENTHOOD EDUCATION, 3 hours credit

Education as to the decisions, responsibilities and social issues related to parent-child relationships. Understanding the role of the parent with emphasis on communication, creativity and discipline. Lecture 3 hours. Prerequisite: H EC 2153 or PSYCH 3343 or departmental approval.

3154 METHODS AND PRACTICUM IN CHILD DEVELOPMENT LABORATORY, 4 hours credit

Practicum in using early childhood methods with young children in a preschool setting. Prearrangement with Director of Child Development Laboratory. Lecture/laboratory 7 hours. Prerequisite: H EC 2153.

3233 FASHION DESIGN, 3 hours credit

Comprehensive overview of the process of fashion design in apparel manufacturing, distribution, and sales promotion. Prerequisite: H EC 1233 or H EC 2233/Departmental consent.

3313 NUTRITION IN THE LIFECYCLE, 3 hours credit

Study includes the physiological, biochemical, and sociological factors affecting nutrient requirements over the life span; emphasis on practical application of nutrition concepts and appropriate food selections to meet nutrient needs. Lecture 3 hours. Prerequisites: H EC 1343.

3343 MEAL MANAGEMENT, 3 hours credit

Emphasis on management of resources when planning marketing, preparing and serving nutritional adequate meals. Lecture/laboratory 5 hours. Prerequisites: H EC 1313.

3423 HOUSEHOLD EQUIPMENT, 3 hours credit

Fundamental principles in the selection, operation and care of household equipment. Lecture/laboratory 4 hours. Prerequisite: Junior standing.

3593 HOUSING AND INTERIOR DESIGN, 3 hours credit

Explore human requirements needed to establish living spaces within residential spaces. A study of elements and principles of color and design and of materials used in designing functional living environments. Lecture/laboratory 5 hours. Prerequisite: H EC 2213 or ART 1113 or ART 2123.

3603 CONSUMER ECONOMICS, 3 hours credit

Use of economic theories and principles to understand the management of consumer resources, the process of rational decision making and the importance of citizen participation in the economic process. Lecture 3 hours. Prerequisite: Junior standing or departmental permission.

3881-3 WORKSHOP, 1-3 hours credit

Workshop designed to give intensive emphasis to a specific area of Home Economics. May be repeated, with a different topic, for additional credit. Prerequisite: Junior standing or permission of departmental chairman.

4123 MARRIAGE, 3 hours credit

Identification and analysis of major problem areas in contemporary marriage, e.g., role conflicts, work/career impact, balancing individuality and marital commitment, and sexual adjustment. Selected techniques for facilitating optimal development of individuals in the marital context will be examined. Lecture 3 hours. Prerequisites: H EC 1123, junior standing or departmental permission.

4133 THE MIDDLE ADULT YEARS, 3 hours credit

The physiological, behavioral and emotional realities of middle adult years will be studied in their current and historical context. Coping processes related to role transitions and potentials for enhancement will be examined. Lecture 3 hours. Prerequisite: Junior standing or departmental approval.

4143 FAMILY CRISIS MANAGEMENT, 3 hours credit

Examination of theories and methods of helping individuals and families deal productively with crisis producing situations. Identification and mobilization of personal, family and community resources pertinent to them will be studied. Lecture 3 hours.

4142 EARLY CHILDHOOD EDUCATION: METHODS, PRACTICE AND MATERIAL IN LANGUAGE, ART AND MUSIC, 4 hours credit

Designing and delivering appropriate experiences in language, art and music for the young child. Laboratory arranged with the Director of the Child Development Center. Lecture/laboratory 5 hours. Prerequisite: H EC 3154 or concurrent enrollment.

4153 HUMAN SEXUALITY, 3 hours credit

The investigation of human sexuality against a background of changing sexual mores from a physiological, psychological and sociological perspective. Exploration of current issues and implications for future trends in human interaction. Special emphasis on the development of healthy interpersonal relationships. Prerequisites: H EC 1123, PSYCH 1113 or SOCI 1113, Junior standing or departmental approval.

4152 EARLY CHILDHOOD EDUCATION: METHODS, PRACTICE AND MATERIALS IN MATH, SCIENCE AND SOCIAL STUDIES, 4 hours credit

Designing and delivering appropriate experiences in math, science and social studies for the young child. Laboratory arranged with the Director of the Child Development Center. Laboratory 5 hours. Prerequisite: H EC 3154 or concurrent enrollment.

4233 TAILORING, 3 hours credit

Application of tailoring techniques in the construction of suits and/or coats. Lecture/laboratory 6 hours. Prerequisites: H EC 1233 and H EC 2233.

4313 QUANTITY FOODS, 3 hours credit

Food purchasing and principles of cookery as applied to quantity food production and service; menu-making for institutions; standardization of foods with reference to quality production and cost; operation and care of equipment. Laboratory experience in food service operations are included. Lecture/laboratory 6 hours. Prerequisite: Junior standing or consent of department chairman.

4343 CLINICAL NUTRITION, 3 hours credit

Fundamentals of nutrition as related to clinical situations including diet therapy together with consideration of the applications of these principles to practical problems. Lecture 3 hours. Prerequisites: H EC 1343 and CHEM 1015.

4423 HOME MANAGEMENT, 3 hours credit

A seminar with emphasis on the process of utilizing family resources to achieve desired goals. Prerequisites: Senior standing in Home Economics and permission of department chairman.

4773 TEACHING VOCATIONAL HOME ECONOMICS, 3 hours credit

Teaching methods and techniques for organization, implementation, and administration of vocational home economics programs in the secondary schools; special emphasis on philosophy, scope and sequence, resource materials, and evaluative devices. Lecture 3 hours. Prerequisite: Departmental permission. Teacher Certification Students must be admitted to teacher education prior to enrollment in this course.

4800-4 FIELD EXPERIENCE IN HOME ECONOMICS, 0-4 hours credit

Supervised study and work experience in the field relating to the student's special interests or area of concentration in Home Economics. Prerequisites determined by departmental approval.

4881-4 INDIVIDUAL STUDY IN HOME ECONOMICS, 1-4 hours credit

Directed research and intensive study on selected problems or special topics. Prerequisites: Senior standing with at least 21 hours in Home Economics and permission of department chairman. No more than four credit hours of individual study may be counted toward the requirements for a major in Home Economics.

4901-3 SEMINAR IN HOME ECONOMICS, 1-3 hours credit

A course designed to meet special needs within the Home Economics areas. Prerequisite: Departmental approval.



DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

CHAIRMAN - Bill Shahan, Associate Professor

Associate Professor: Maples

Assistant Professor: Jensen, J. Jones, Lavendar, Spears, Wilson

Instructor: Carter, Crosson, Dougherty, Gunkel, Ihler, Lees, Naber, Scheible, Stewart

The Department of Health and Physical Education offers a program leading to a Bachelor of Science degree with a major-minor in Health and Physical Education. A student may select a concentration in Physical Education and Health, Physical Education and Safety or Physical Education and Recreation. The Department also offers these Special Endorsements for teaching: (1) Physical Education and Health, (2) Health, (3) Driver and Safety Education and (4) Athletic Coaching.

BACHELOR OF SCIENCE DEGREE MAJOR IN HEALTH AND PHYSICAL EDUCATION

- I. GENERAL EDUCATION REQUIREMENT 50 hours
 II. MAJOR-MINOR 55-60 hours

Core Courses 28 hours

Alternate Plan for Teaching License 25 hours

HEALTH 1053 Personal and Community Health Science

HEALTH 2213 First Aid

HEALTH 3012 Adapted and Corrective Physical
Education

HEALTH 3244 Applied Anatomy and Kinesiology

HEALTH 4503 Physiology of Exercise

HPET 2322 Introduction to Health, Physical Education
and Recreation

SAFETY 3613 Substance Abuse

Physical Education Activity Courses (8 hours)

Alternate Plan for Teaching License (5 hours)

Must include a course in aerobic conditioning, team sport, racquet sport, aquatic activity and dance or tumbling and gymnastics. Courses in athletics or intramurals may not be used to meet this requirement.

Concentration 27-32 hours

Majors must complete one of the following concentrations.

Physical Education and Health

Alternate Plan for Teaching License 22 hours*

HEALTH 3292 Care of Athletic Injuries

HEALTH 3303 School and Community Health Programs

HPET 3052 or 3062 Sports Officiating

HPET 3332 Physical Examination and Measurements

HPET 3352 Physical Education in the Elementary School
 HPET 3362 Physical Education in the Junior and Senior High School
 HPET 4003 Organization and Administration of Health, Physical Education and Interscholastic Athletics
 HPET 4203 Movement Learning
 H EC 1343 Basic Nutrition or equivalent
 Elective Health and Physical Education courses (5 hours)
 With no more than 2 hours from Physical Education activity.

NOTE: No elective Health and Physical Education required in the Alternate plan for teaching license.

***NOTE:** The alternate Plan for Teaching License will require the completion of an 18 hour minor.

***NOTE:** Those students who wish to qualify for a teaching license may select the 55 hour major-minor or the 47 hour alternate plan with an 18 hour minor.

Physical Education and Safety (32 hours)

HEALTH 3292 Care of Athletic Injuries
 HEALTH 3303 School and Community Health Programs
 HPET 3052 or 3062 Sports Officiating
 HPET 3332 Physical Examination and Measurements
 HPET 3352 Physical Education in the Elementary School
 HPET 3362 Physical Education in the Junior and Senior High School
 HPET 4003 Organization and Administration of Health, Physical Education and Interscholastic Athletics
 HPET 4203 Movement Learning
 SAFETY 1001 Defensive Driving or other approved courses as part of approved Driver and Safety Education Programs
 SAFETY 3723 Safety Education
 SAFETY 3823 Driver and Traffic Safety
 SAFETY 4923 Driver and Traffic Safety II
 H EC 1343 Basic Nutrition or equivalent

Physical Education and Recreation (27 hours)

HPET 2341 Field Experience in Recreation
 HPET 3052 or 3062 Sports Officiating
 HPET 3353 Camp Counseling
 HPET 3363 Community and Recreational Leadership
 HPET 3373 Therapeutic Recreation
 HPET 4222 Organization and Management of Intramurals
 HPET 4781 Field Experience in Recreation
 SAFETY 3723 Safety Education
 MGMT 2033 Small Business Management or 3013 Principles of Management or equivalent
 Elective Health and Physical Education courses (4 hours)
 Physical Education Activity courses will not meet this requirement
 Physical Education Activity courses (2 hours)
 Must include Advanced Life Saving or Water Safety Instruction

NOTE: Those students who wish to concentrate in Physical Education and Recreation should minor in one of the areas listed below and complete a minimum of 9 hours in one of the areas not selected as a minor.

Accounting	Military Science
Applied Human and Community Service	Music
Art	Psychology
Biology	Recreational Arts
Environmental Studies	Sociology
Management	Theatre

- III. MINOR..... 18 hours
Students who do not qualify for a teaching license will be required to complete a minor.

IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION

NOTE: If a person plans to coach athletics, he should complete Theory of Coaching courses in two or more sports.

NOTE: A "C" grade or better will be required in the major-minor courses if a student selects professional education.

NOTE: For teacher certification, a minimum cumulative grade point average of 2.5 is required in courses of the major-minor field.

Teacher Licensure/Certification

Cameron University offers a program leading to licensure/certification in Health and Physical Education. Degree requirements are not necessarily identical with certification requirements. Consult the Teacher Certification Catalog and your departmental advisor for details about certification.

COURSES

HEALTH (HEALTH)

1053 PERSONAL AND COMMUNITY HEALTH SCIENCE, 3 hours credit

Problems and practices concerning knowledge and attitudes related to self-direction of health behavior in both personal and community health.

2213 FIRST AID, 3 hours credit

Immediate and temporary treatment for accidental injuries and sudden illness. CPR certification.

2281 INSTRUCTOR'S COURSE IN FIRST AID, 1 hour credit

Course content is sufficient to prepare for the American Red Cross Instructor's rating and presents methods and materials for teaching Standard and Advanced First Aid. Lecture 1 hour. Prerequisite: Current advanced rating in First Aid.

3012 ADAPTED AND CORRECTIVES PHYSICAL EDUCATION, 2 hours credit

Principles and problems related to adapting physical activities and exercises to specific requirements of exceptional individuals. Lecture 2 hours.

3244 APPLIED ANATOMY AND KINESIOLOGY, 4 hours credit

The study of the mechanical and anatomical functions of human motion. (May not be used as a Biology course.) Lecture 4 hours.

3292 CARE OF ATHLETIC INJURIES, 2 hours credit

Methods of caring for injuries to athletes. Lecture 2 hours.

3303 SCHOOL AND COMMUNITY HEALTH PROGRAMS, 3 hours credit

A study of the school and community health programs which will include: (1) health instruction, including curriculum; (2) health services, and (3) healthful school and community environment. Emphasis will be placed on health programs in school-community relations. Lecture 3 hours.

4503 PHYSIOLOGY OF EXERCISE, 3 hours credit

A study of the physiological effects of physical exercise with instruction and practice for use of laboratory equipment and techniques utilized in the evaluation of human work capabilities. Lecture 2 hours, laboratory 2 hours. Prerequisite: HEALTH 3244.

4613 METHODS AND MATERIALS IN HEALTH EDUCATION, 3 hours credit

Problem solving and conceptual approaches to teaching health education. (Evaluation techniques, selection and use of resources.) Emphasis will be placed on content selection and teaching methodology appropriate to elementary and secondary schools. Lecture 3 hours. Prerequisite: HEALTH 3303 or departmental permission.

HEALTH AND PHYSICAL EDUCATION THEORY (HPET)

2322 INTRODUCTION TO HEALTH, PHYSICAL EDUCATION AND RECREATION, 2 hours credit

A foundational approach to interpretations and objectives of Health, Physical Education and Recreation, with information on career opportunities and the necessary qualifications. Designed to assist the major in developing a sound philosophic background for continued growth in the professional field. Lecture 2 hours. (Recommended for Freshmen and Sophomore majors.)

2341-3 SPECIAL STUDIES, 1-3 hours credit

Directed independent study in selected areas of health, physical education and recreation through research, observation and/or on-the-job internship. May be repeated with a different topic for a total of 6 hours. Prerequisite: Departmental permission.

3051 OFFICIATING WOMEN'S SPORTS, 1 hour credit

Considers general principles and philosophy of officiating, with a study of knowledge and interpretation of sports rules as well as practice in techniques and mechanics of officiating in women's Individual and Team Sports. Lecture 1 hours.

3052 SPORTS OFFICIATING I, 2 hours credit

Current rules, interpretation and techniques in sports officiating, with practical application in techniques and mechanics of officiating football, soccer and volleyball. Students with successful performance may be eligible to receive official ratings. Lecture 1 hour/laboratory 2 hours.

3062 SPORTS OFFICIATING II, 2 hours credit

Current rules, interpretation and techniques in sports officiating with practical application in techniques and mechanics of officiating baseball, basketball and wrestling. Students with successful performance may be eligible to receive official ratings. Lecture 1 hour/laboratory 2 hours.

3332 PHYSICAL EXAMINATION AND MEASUREMENTS, 2 hours credit

Methods in techniques of examination; forming and keeping records; elementary physical diagnosis. Lecture 2 hours.

3352 PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL, 2 hours credit

Program and management of games for children of elementary school age; simple dramatics; playground and gymnasium activities. Lecture 2 hours.

3353 CAMP COUNSELING, 3 hours credit

A study of methods and content for leadership in camping and outdoor recreation. One weekend campout required. Lecture 3 hours.

3362 PHYSICAL EDUCATION IN THE JUNIOR AND SENIOR HIGH SCHOOL, 2 hours credit

Planning and management of activities with organization and practice in teaching of games and sports. Lecture 2 hours.

3363 COMMUNITY AND RECREATIONAL LEADERSHIP, 3 hours credit

Introductory course in the history, philosophy, organization, management, and materials of community and private recreation. Lecture 3 hours.

3373 THERAPEUTIC RECREATION, 3 hours credit

Planning and programming recreational activities and leisure-related experiences for individuals who have special impairments, such a chronic illness or physical, mental, emotional or social disability. Lecture 2 hours, laboratory 2 hours.

4003 ORGANIZATION AND ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION AND INTERSCHOLASTIC ATHLETICS, 3 hours credit

A study of the organization and administration of physical education programs for the public school, with special attention to the problems involved in the direction of high school athletics. Lecture 3 hours.

4203 FUNDAMENTALS OF MOVEMENT LEARNING, 3 hours credit

Designed to enhance the concepts of basic human movement patterns and develop an understanding for the interactions of perceptual, intellectual and motor functions of pre-school and elementary age children. A study of principles which govern curriculum plannings in movement education and making appropriate selections of gross motor activities for mentally retarded and perceptual motor handicapped. Lecture 3 hours. Prerequisites: HEALTH 3012 and 3244.

4222 ORGANIZATION AND MANAGEMENT OF INTRAMURALS, 2 hours credit

Intramural programs; evaluation of activities, use of test in forming competitive groups. Lecture 2 hours.

4232 PRINCIPLES AND HISTORY OF HEALTH AND PHYSICAL EDUCATION, 2 hours credit

A study of the basic concepts in the field of health, physical education, recreation, and their origins. Lecture 2 hours.

4252 THEORY OF TEACHING INDIVIDUAL SPORTS FOR GIRLS, 2 hours credit

Organizing and teaching individual sports; techniques of officiating; tournament organizations. Lecture 2 hours.

4532 THEORY OF TEACHING GIRLS TEAM SPORTS, 2 hours credit

Problems in teaching team sports, rule interpretations, organizing and conducting team sports meets, officiating in team games. Lecture 2 hours.

4542 THEORY OF COACHING TRACK AND FIELD, 2 hours credit

A study of the techniques of coaching track and field. Lecture 2 hours.

4552 THEORY OF COACHING OFFENSIVE FOOTBALL, 2 hours credit

A study of the techniques of coaching offensive football. Lecture 2 hours.

4562 THEORY OF COACHING DEFENSIVE FOOTBALL, 2 hours credit

A study of the techniques of coaching defensive football. Lecture 2 hours.

4572 ADVANCED THEORY OF COACHING FOOTBALL, 2 hours credit

An intensive study of modern techniques of coaching football. Lecture 2 hours.

4582 THEORY OF COACHING BASKETBALL, 2 hours credit

A study of the techniques of coaching basketball. Lecture 2 hours.

4592 THEORY OF COACHING BASEBALL, 2 hours credit

A study of the techniques of coaching baseball. Lecture 2 hours.

4772 METHODS OF TEACHING PHYSICAL EDUCATION 2 hours credit

Problems and methods in the teaching of Physical Education. Lecture 2 hours. Teacher Certification students must be admitted to teacher education prior to enrollment in this course.

4781-4 SPECIAL STUDIES, 1-4 hours credit

Directed independent study in selected areas of Health, Physical Education and Recreation through research, observation, and/or on-the-job internship. May be repeated. Prerequisites: Junior standing and departmental permission.

PHYSICAL EDUCATION ACTIVITY (PE)**1001 AEROBICS, 1 hour credit**

A scientific, systematic approach to pulmonary, cardiovascular conditioning and training. Fitness classifications will be determined, and an appropriate individual exercise program will be selected. Laboratory 2 hours. Prerequisite: Physician's examination or approval.

1002 LIFE TIME SPORTS, 2 hours credit

Development and practice in a variety of individual and dual sports skills that will contribute to the enjoyment and life-time participation of sports. Laboratory 4 hours.

1021 TEAM SPORTS, 1 hour credit

Fundamentals of Basketball, Football, Soccer, Speedball, Softball, and Volleyball. Four to five of these sports are incorporated in the class with instruction and practice in basic skills followed by participation as a member of a team. Laboratory 2 hours.

1031 BODY MECHANICS, 1 hour credit

Women's Physical Education. Fundamental principles of good body control and movement. Laboratory 2 hours.

1041 TUMBLING AND GYMNASTICS, 1 hour credit

Introduction to basic skills in tumbling, gymnastics apparatus and trampoline. Laboratory 2 hours.

1051 INTERMEDIATE GYMNASTICS, 1 hour credit

Introduction and development in tumbling and gymnastics routines or apparatus and trampoline. Laboratory 2 hours. Prerequisite: Beginning gymnastics or instructor's permission.

1081 PHYSICAL EDUCATION ACTIVITY, 1 hour credit

Individual and group activities for general physical improvement. Laboratory 2 hours.

1091 INDIVIDUAL CORRECTIVE EXERCISES, 1 hour credit

Methods of corrective exercise for group or individual. Laboratory 2 hours.

1101 BEGINNING SWIMMING, 1 hour credit

Introduction to swimming which will equip the individual with basic water safety skills and strokes. Provides opportunity for studying Beginner and Advanced Beginner Red Cross courses. Laboratory 2 hours.

1111 INTERMEDIATE SWIMMING, 1 hour credit

A variety of swimming skills are introduced and practiced to provide the student with the opportunity to learn the elements of good swimming. Emphasis on strokes and safety procedures in Intermediate Red Cross courses. Laboratory 2 hours. Prerequisite: Beginning Swimming or equivalent.

1121 ADVANCED SWIMMING, 1 hour credit

Student will practice the series of basic strokes with the emphasis on coordination of the whole stroke in order to swim effectively with ease, endurance, and versatility in the water. Advanced forms of safety and an introduction to swimming rescues are provided. Laboratory 2 hours. Prerequisite: Intermediate Swimming or equivalent.

1131 ADVANCED LIFE SAVING, 1 hour credit

A comprehensive lifesaving course covering personal safety and self rescue skills, swimming skills for lifesaving, approaches, carries, defenses, releases, search and rescue, cardiopulmonary resuscitation and small craft safety. Laboratory 2 hours. Prerequisite: Advanced Swimming or equivalent.

1141 WATER SAFETY INSTRUCTION (WSI), 1 hour credit

Two part course with the first part consisting of analysis of basic swimming strokes, additional strokes, related aquatic skills plus diving fundamentals. The second part consists of practical teaching in the Red Cross program from beginner to Advanced Life Saving level with cardiopulmonary resuscitation (CPR). Laboratory 2 hours. Prerequisite: Current Senior Life Saving Certificate.

1151 SKIN AND SCUBA DIVING, 1 hour credit

Practice involving skills in safe and effective use of face mask, snorkel, fins and other scuba equipment. Laboratory 2 hours. Prerequisite: Advanced Swimming or equivalent.

1152 SKIN AND SCUBA DIVING, 2 hours credit

Practice involving skills in safe effective use of face mask, snorkel, fins and other scuba equipment. Deep water check out and certification. Lecture 1 hour. Laboratory 2 hours. Prerequisite: Advanced Swimming or equivalent.

1201 BADMINTON, 1 hour credit

Fundamental techniques of Badminton with instruction in court work of singles and doubles. Laboratory 2 hours.

1211 PADDLE TENNIS AND PADDLE BALL, 1 hour credit

Fundamentals and techniques of Paddle Tennis and Paddle Ball with instruction in court work and strategy of play. Laboratory 2 hours.

1221 ORIENTEERING, 1 hour credit

Study of basic principles in reading, interpreting, and developing skills to accurately use the map and compass for individual and group enjoyment (hiking, hunting, cross country skiing, etc.) and to develop knowledge and competitive techniques for the sport of Orienteering. Laboratory 2 hours.

1231 EQUITATION, 1 hour credit

The art of riding on Horseback. Beginners instruction on basic riding position, the control of the horse while riding, mounting and dismounting. The proper use of aids, and the rules of safety. The terminology of horsemanship and the care of the horse. Laboratory 2 hours.

1241 ROLLER SKATING, 1 hour credit

Instruction in free style, figure and speed skating. Laboratory 2 hours.

1251 BEGINNING SAILING, 1 hour credit

Fundamental skills and basic knowledge for sailing small watercraft. Laboratory 2 hours. Prerequisite: Must be able to swim.

1261 CANOEING AND CAMPING, 1 hour credit

Fundamentals skills and basic knowledge for canoeing lakes and streams; preparation and use of equipment for outdoor camping. Weekend field trip. Laboratory 2 hours. Prerequisite: Must be able to swim.

1271 BOAT SAFETY AND SKIING, 1 hour credit

Beginning water skiing, slalom skiing, and safety procedures in the operation of power boats for water skiing. Laboratory 2 hours. Prerequisite: Must be able to swim.

1281 FLY AND BAIT CASTING, 1 hour credit

Development of skills in executing different methods of casting. Fundamentals used in selecting of rod, reel, and lures. Safety and strategy for fisherman. Laboratory 2 hours.

1291 CYCLING AND HIKING, 1 hour credit

Organizing and directing individual and group Cycling and Hiking sessions. Simple techniques in the repair and maintenance of bicycles. Proper techniques in safety and skills that will add to the individual's enjoyment and development of appreciation for outdoor recreation. Laboratory 2 hours.

1301 BEGINNING DANCE, 1 hour credit

The study of movement with regard to rhythm, quality, the use of space in relation to others, and developing a sense of stage direction. Laboratory 2 hours.

1311 BEGINNING DANCE II, 1 hour credit

Continuation of Physical Education 1301. Further exploration of dance concepts, with emphasis on the perfection of techniques and theories. Laboratory 2 hours. Prerequisite: PE 1301 or instructor's permission.

1321 FOLK AND SQUARE DANCE, 1 hour credit

Basic steps and patterns used in Folk and Square dancing. Laboratory 2 hours.

2001 ELEMENTARY GOLF, 1 hour credit

Fundamentals and techniques of beginning golf. Laboratory 2 hours.

2011 ELEMENTARY BOWLING, 1 hour credit

Teaching of fundamentals and techniques of bowling. Laboratory 2 hours.

2021 ADVANCED BOWLING, 1 hour credit

Advanced into teams and league bowling. Laboratory 2 hours. Prerequisite: PE 2011.

2031 ELEMENTARY TENNIS, 1 hour credit

Fundamentals and techniques of tennis. Laboratory 2 hours.

2032 INDIVIDUAL SPORTS, 2 hours credit

Individual sports and recreational activities for general physical improvement. Laboratory 4 hours.

2041 INTERMEDIATE TENNIS, 1 hour credit

Review of fundamentals and additional instruction of strokes, court work in singles and doubles. Laboratory 2 hours. Prerequisite: Beginning Tennis or equivalent.

2061 RIFLERY, 1 hour credit

Safety and marksmanship. Laboratory 2 hours.

2062 PHYSICAL AND EDUCATION ACTIVITY, 2 hours credit

Individual and group activities for general physical improvement. Laboratory 4 hours.

2101 ARCHERY, 1 hour credit

Men and/or women basic fundamentals of shooting a bow and arrow, terminology, correct selection and care of equipment, safety procedures and etiquette. Laboratory 2 hours.

2121 SELF-DEFENSE 1 hour credit

Study and development of skills and fundamental knowledge in the art of self-defense through scientific principles of body control over opposing forces. Laboratory 2 hours.

2131 BEGINNING FENCING, 1 hour credit

To develop fundamental skills and basic knowledge of foil fencing, emphasizing safety, development of coordination, and self-confidence. Laboratory 2 hours.

2161 INTRAMURAL SPORTS, 1 hour credit

Participation in the intramural activities of the university with approval of the Intramural Director. (Maximum credit two hours toward general education requirements, four elective hours toward total 128 hours graduation requirement.)

2181 RECREATION ACTIVITIES, 1 hour credit

Participation in outdoor and indoor recreational activities. Laboratory 2 hours.

2201 BASEBALL, 1 hour credit

Participation in Intercollegiate Sports. Maximum credit 1 hour toward General Education and 8 elective hours toward 128 hour requirement.

2211 BASKETBALL, 1 hour credit

Participation in Intercollegiate Sports. Maximum credit 1 hour toward General Education and 8 elective hours toward 128 hour requirement.

2221 FOOTBALL, 1 hour credit

Participation in Intercollegiate Sports. Maximum credit 1 hour toward General Education and 8 elective hours toward 128 hour requirement.

2231 GOLF, 1 hour credit

Participation in Intercollegiate Sports. Maximum credit 1 hour toward General Education and 8 elective hours toward 128 hour requirement.

2241 TRACK AND FIELD, 1 hour credit

Participation in Intercollegiate Sports. Maximum credit 1 hour toward General Education and 8 elective hours toward 128 hour requirement.

2251 TENNIS, 1 hour credit

Participation in Intercollegiate Sports. Maximum credit 1 hour toward General Education and 8 elective hours toward 128 hour requirement.

2261 SOFTBALL, 1 hour credit

Participation in Intercollegiate Sports. Maximum credit 1 hour toward General Education and 8 elective hours toward 128 hour requirement.

2271 VOLLEYBALL, 1 hour credit

Participation in Intercollegiate Sports. Maximum credit 1 hour toward General Education and 8 elective hours toward 128 hour requirement.

3061 ADVANCED GYMNASTICS AND APPARATUS, 1 hour credit

Individual progression in gymnastics and apparatus routines used in competition. Individual and group presentations by students may be presented at the discretion of the instructor. Laboratory 2 hours. Prerequisite: PE 1041 or PE 1051 or instructor's permission.

3111 SEASONAL TEAM SPORTS I, 1 hour credit

Advanced skills and beginning strategy in organized team sports. Laboratory 2 hours.

3121 SEASONAL TEAM SPORTS II, 1 hour credit

Continuation of PE 3111. Prerequisites: PE 1001 and 1021. Laboratory 2 hours.

3151 CALISTHENICS AND SELF-TESTING DEVICES, 1 hour credit

Methods of doing calisthenics and testing of strength of groups or individuals. Laboratory 2 hours.

4111 SEASONAL TEAM SPORTS III, 1 hour credit

Advanced strategy and skills in organized team sports. Theoretical study and practical experiences leading toward Associate and National Officials Ratings. Laboratory 2 hours. Prerequisite: PE 3121.

4121 SEASONAL TEAM SPORTS IV, 1 hour credit

Continuation of PE 4111. Laboratory 2 hours. Prerequisite: PE 3121.

SAFETY (SAFETY)

1001 DEFENSIVE DRIVING, 1 hour credit

Instruction for the improvement of driver skills to avoid traffic related accidents. Lecture 1 hour.

2001 MOTORCYCLE SAFETY, 1 hour credit

Methods and techniques in developing safe riding and driving skills for use in motorcycle and traffic safety. Lecture 1 hour.

3613 SUBSTANCE ABUSE, 3 hours credit

A study of substance abuse emphasizing the adverse effects on human life, health, traffic safety, and daily living.

3723 SAFETY EDUCATION, 3 hours credit

Designed to prepare teachers in methods and materials related to safety problems and accident prevention in the home, school, recreation, work and highways. Lecture 3 hours.

Persons enrolling in the following Safety courses must have a valid driver's license and be classified as a college junior or senior.

3823 DRIVER AND TRAFFIC SAFETY, 3 hours credit

Designed to prepare teachers in problems, techniques and methods of teaching driver and traffic safety in the secondary school. Primary emphasis on teaching the classroom phase of Driver Education related to instruction, and evaluation. Laboratory time for practicing on-the-street driving. Lecture 2 hours, laboratory 2 hours.

4923 DRIVER AND TRAFFIC SAFETY II, 3 hours credit

Designed to improve skills and techniques for teachers and supervisors in the field of driver education. Includes the study of the latest developments in materials, equipment and research. Laboratory time in teaching beginning driver in dual-control car. Lecture 2 hours, laboratory 2 hours. Prerequisite: SAFETY 3823.

4933 DRIVER RANGE OPERATION AND SIMULATION, 3 hours credit

Designed to prepare teachers in the operation, supervision, and the use of simulators and multi-car driving ranges in mass teaching methods of Driver and Traffic Education. Laboratory experience for teaching beginning drivers through simulation and multi-car ranges. Lecture 3 hours. Prerequisite: SAFETY 4923.

4943 ORGANIZATION AND ADMINISTRATION OF DRIVER EDUCATION, 3 hours credit

Designed for planning of curriculum, organization and the administration of Driver and Safety Education programs with emphasis on the evaluation of current programs and factors involved in program supervision and administration such as: qualifications, credit, state and national records, reimbursement, adult programs and scheduling. Lecture 3 hours. Prerequisite: SAFETY 4923.

4951-4 SPECIAL STUDIES, 1-4 hours credit.

Directed individual study in selected areas of Safety, Traffic and Driver Education through research, readings, reports and/or on-the-job internship. May be repeated. Prerequisite: Junior standing and departmental permission.

TEACHER EDUCATION

NOTE: Complete information about Cameron University's teacher preparation programs is provided in a supplement to this catalog entitled *The Teacher Certification Catalog*. Copies may be obtained from your major department or from the Director of Teacher Education.

Teacher Education Programs at Cameron University are accredited by the Oklahoma State Board of Education. This allows approved graduates to be recommended for teaching licenses in the elementary and secondary schools of Oklahoma. Cameron University also holds membership in the American Association of Colleges for Teacher Education.

TEACHER LICENSING AND CERTIFICATION

Cameron University offers programs of study which prepare students to teach at the elementary, elementary-secondary, and secondary levels. The student who satisfactorily completes such a course of study is recommended to the State Department of Education for an Oklahoma teaching license. (Teaching licenses are issued only to those who have passed the State's Teacher Certification Tests. For further information about these tests, contact the Director of Teacher Education.)

Oklahoma law provides that licensed teachers will be assisted through their first year of teaching by a three-member Entry Year Assistance Committee. After the licensed teacher successfully completes the entry year, the Entry Year Assistance Committee will recommend to the State Department of Education that the licensed teacher receive an Oklahoma certificate. Further details are available in the Teacher Certification Catalog.

Elementary

Students majoring in Elementary Education may be recommended for a Standard Oklahoma Elementary Teaching License for grades K-8. See the catalog section which deals with the Department of Education and Psychology. Also refer to the Teacher Certification Catalog.

Secondary

Students attending Cameron University may pursue programs of study for an Oklahoma teaching license at the secondary level, grades 7-12. A secondary license is available to Cameron students in the following areas: Agricultural Education, Business, English, Home Economics, Mathematics, Science, Social Studies, and Speech/Drama. For a list of the required courses in these fields of specialization, refer to the Teacher Certification Catalog. The student should be aware that, while a degree is a requirement for a teaching credential, degree requirements and certification requirements are not necessarily identical.

In addition to the required courses in the field of specialization, the student must complete course(s) in methods of teaching and the following professional education sequence:

- EDUC 2003 Introduction to Teaching (AG majors take AG ED 3103)
- EDUC 3001 Field Experiences with Children and Youth*
- SPED 3103 The Exceptional Child
- PSYCH 3323 Psychology of Adolescence
- PSYCH 3352 Educational Psychology
- EDUC 4032 Educational Tests and Measurement**
- EDUC 4232 Audio-Visual Education
- EDUC 4011 Classroom Management and Parent/School Relations**
- EDUC 4253 Teaching Reading in the Content Area**
- EDUC 4116 Directed Observation and Student Teaching in Junior High School***
- EDUC 4216 Directed Observation and Student Teaching in Senior High School***

*Student enrolls in this course concurrent with EDUC 2003. Also, the student must complete 30 additional hours of field experiences as prescribed by the major department.

**For some majors, departmental offerings fulfill this requirement. Consult with your major department or see the Teacher Certification Catalog.

***Agricultural Education majors will complete AG ED 4116 and 4216.

Elementary - Secondary

Students may pursue programs of study in Art, Music, and Physical Education/Health which will allow them to be recommended for a teaching license for the elementary-secondary levels. For a list of the required courses in these fields of specialization refer to the Teacher Certification Catalog. The student should be aware that, while a degree is necessary for a teaching credential, degree requirements and certification requirements are not necessarily identical.

In addition to the coursework required in the area of specialization, the student must take course(s) in methods of teaching and the following sequence of professional education:

- EDUC 2003 Introduction to Teaching
- EDUC 3001 Field Experiences with Children and Youth*
- SPED 3103 The Exceptional Child
- PSYCH 3333 Developmental Psychology (or both PSYCH 3343 Psychology of Childhood and PSYCH 3323 Psychology of Adolescence)
- PSYCH 3352 Educational Psychology
- EDUC 4032 Educational Tests and Measurement**
- EDUC 4232 Audio-Visual Education
- EDUC 4011 Classroom Management and Parent/School Relations**
- EDUC 4253 Teaching Reading in the Content Area**
- EDUC 4126 Directed Observation and Student Teaching in the Elementary School
- EDUC 4226 Directed Observation and Student Teaching in the Secondary School

*Student enrolls in this course concurrent with EDUC 2003. In addition, each student must complete 30 additional hours of field experiences as prescribed by the major department.

**For some majors, departmental offerings fulfill this requirement. Consult with your major department or see the Teacher Certification Catalog.

Conversion Endorsements and Special Endorsements

The university provides programs which allow licensed or certified teachers to teach in additional fields. For complete details about Conversion Endorsements and Special Endorsements, see the Teacher Certification Catalog.

Provisional Certification

A person who completes a bachelor's degree and a prescribed course of study in the area of specialization and in professional education may be recommended for provisional certification. The Provisional Level I is a one-year credential; Level II allows an individual to teach for two years. Complete details are contained in the Teacher Certification Catalog.

Admission to Teacher Education

The student may apply for Teacher education as a second semester freshman, and ideally not later than the sophomore year. Admission is achieved through a formal process which is described in the Teacher Certification Catalog.



DIVISION OF FINE ARTS

Head, Jack W. Bowman
Professor of Music

DEPARTMENT OF ART

DEPARTMENT OF
COMMUNICATIONS

DEPARTMENT OF MUSIC

DEPARTMENT OF THEATRE
ARTS

ART

DEPARTMENT OF

CHAIRMAN - Jack Bryan, Associate Professor

Associate Professors: B. Scott, Warren

Assistant Professor: Liontas

Instructor: Deetz

Gallery Director: Alexander

The Department of Art offers a program leading to a Bachelor of Arts Degree with a major in Art and a program leading to a Bachelor of Fine Arts with a major-minor in Studio Art.

BACHELOR OF ARTS DEGREE MAJOR IN ART

- I. GENERAL EDUCATION REQUIREMENTS..... 50 hours
- II. MAJOR 54 hours
 - ART 1013 Drawing I
 - ART 1023 Drawing II
 - ART 1113 Design I
 - ART 1123 Design II
 - ART 2123 Color
 - ART 2183 Sculpture
 - ART 2253 Printmaking
 - ART 2313 History of Art I
 - ART 2323 History of Art II
 - ART 2243 Painting or ART 2413 Mixed Media
 - ART 3033 Figure Drawing or ART 3043 Advanced Creative Drawing
 - ART 4683 History of Art Seminar
 - Upper Division Electives in Studio Art..... 12 hours
- III. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

BACHELOR OF FINE ARTS DEGREE MAJOR IN STUDIO ART

- I. GENERAL EDUCATION REQUIREMENTS..... 50 hours
- II. MAJOR-MINOR 70 hours
 - ART 1013 Drawing I
 - ART 1023 Drawing II
 - ART 1113 Design I
 - ART 1123 Design II
 - ART 2183 Sculpture
 - ART 2253 Printmaking
 - ART 2123 Color
 - ART 2243 Painting or ART 2413 Beginning Mixed Media

- ART 2313 History of Art I
 ART 2323 History of Art II
 ART 3033 Figure Drawing
 ART 3043 Advanced Creative Drawing
 ART 4683 History of Art Seminar: Contemporary
 ART 4683 History of Art Seminar (elective)
 ART 4001 Senior Art Exhibition

Studio Concentration (advanced) Printmaking or sculpture or Mixed Media or Painting..... 18 hours
 Electives in Advanced Studio Courses..... 9 hours

III. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

All Art Majors (B.F.A. Degree) must pass an entrance examination and a junior standing examination.

Teacher Licensure/Certification

Cameron University offers a program leading to licensure/certification in Art. Degree requirements are not necessarily identical with certification requirements. Consult the Teacher Certification Catalog and your departmental advisor for details about certification.

COURSES

ART (ART)

1013 DRAWING I, 3 hours credit

Introduction to the basic principles, techniques and media of drawing/perception. Laboratory 6 hours per week.

1023 DRAWING II, 3 hours credit

Drawing experiences that coordinate drawing skills with perception and creativity. Laboratory 6 hours. Prerequisite: ART 1013.

1113 DESIGN I, 3 hours credit

An introductory class concentrating on two and three dimensional forms which emphasizes design elements and their organizational principles. Laboratory 6 hours.

1123 DESIGN II, 3 hours credit

Application and analysis of the elements and principles of design. Laboratory 6 hours. Prerequisite: ART 1113.

1223 FUNDAMENTALS OF ART, 3 hours credit

An introduction to art through studio experience. Laboratory 6 hours.

2113 ART APPRECIATION, 3 hours credit

An introduction to various aspects of the visual arts with illustrated lectures and studio demonstrations. Lecture 3 hours.

2123 COLOR, 3 hours credit

Exploration and analysis of color. Laboratory 6 hours.

2183 SCULPTURE, 3 hours credit

A beginning class that emphasizes sculptural form and aesthetics through various media and techniques. Laboratory 6 hours. Prerequisite: ART 1113.

2243 PAINTING, 3 hours credit

Painting courses exploring the principles, techniques, media and creative potential of painting. Laboratory 6 hours. May be repeated for credit under a different subtitle.

2253 PRINTMAKING, 3 hours credit

An introduction to the four basic printmaking processes: relief, planographic, stencil and intaglio. Laboratory 6 hours. Prerequisite: 3 hour lower division art course.

2313 HISTORY OF ART, PREHISTORIC TO THE RENAISSANCE, 3 hours credit

A survey of the painting, sculpture and architecture from prehistoric times through the Gothic period. Lecture 3 hours.

2323 HISTORY OF ART, RENAISSANCE TO THE PRESENT, 3 hours credit

A survey of the painting, sculpture and architecture from the Gothic period through the 20th Century. Lecture 3 hours.

2413 BEGINNING MIXED MEDIA, 3 hours credit

Introduction to Mixed Media, with emphasis on exploration, ideas, and aesthetics of form and content. Laboratory 6 hours.

2433 BEGINNING CERAMICS, 3 hours credit

Introduction to ceramic techniques, with focus on exploration, ideas, and the aesthetics of form. Laboratory 6 hours.

3033 FIGURE DRAWING, 3 hours credit

A studio course emphasizing drawing concepts and techniques. Laboratory 6 hours. Prerequisite: ART 1013.

3043 ADVANCED CREATIVE DRAWING, 3 hours credit

Drawing experiences that coordinate drawing skills with perception and creativity. Laboratory 6 hours. Prerequisite: ART 1013.

3143 CRAFTS, 3 hours credit

A studio course that relates material to form and function, with an emphasis on one of several materials: weaving, beadwork, textiles, etc. May be repeated under a different subtitle. No more than 6 hours may be credited with a major/minor in Art. Laboratory 6 hours.

3521-3 COMMUNITY ARTS, 1-3 hours credit

An exploration of alternative methods of expressing community ideas and needs using a variety of media. Laboratory 2-6 hours.

3773 PUBLIC SCHOOL ART, 1-3 hours credit

Elementary and secondary theory and application of art concepts with related field experiences. Laboratory 6 hours. Teacher Certification Students must be admitted to teacher education prior to enrollment in this course. Prerequisite: ART 1123.

3881-3 WORKSHOP, 1-3 hours credit

A concentrated course of specific exploration of various art forms, designed to provide intensive experience in studio projects. May be repeated for credit under different subtitle. No more than 4 hours of Art 3881-3 may be credited toward a major/minor in Art. Laboratory 2 to 6 hours.

4001 SENIOR ART EXHIBITION, 1 hour credit

A senior art exhibition required of the B.F.A. degree candidate.

4083 ADVANCED PRINTMAKING, 3 hours credit

Advanced studio course exploring the principles, techniques, media and creative potential of printmaking. Areas of concentration include etching, lithography, serigraphy, block printing, collagraphs. Laboratory 6 hours. May be repeated for credit under a different subtitle. Prerequisite: ART 2253.

4233 ART FOR ELEMENTARY TEACHERS, 3 hours credit

Lecture and studio experience with two and three dimensional media designed for understanding and application of art toward integrating learning. Laboratory 4 hours. Prerequisite: ART 1223.

4283 MIXED MEDIA, 3 hours credit

Advanced studio courses in which students apply combined media in dimensional forms. May be repeated for credit under a different subtitle. Options include painting, sculpture, printmaking, photography, commercial, and community arts. Laboratory 6 hours. Prerequisite: ART 1123.

4483 ADVANCED SCULPTURE, 3 hours credit

Advanced studio courses emphasizing personal exploration and involvement with sculptural form and techniques. Laboratory 6 hours. Prerequisite: ART 2183.

4583 ADVANCED CERAMICS, 3 hours credit

Advanced studio courses in the application of clay techniques emphasizing the aesthetics of form. Laboratory 6 hours. Prerequisite: ART 2433. May be repeated for credit under a different subtitle.

4683 HISTORY OF ART SEMINAR, 3 hours credit

Advanced Art History courses with an emphasis on one or more of the following areas: Contemporary Art, American Art, Oriental Art, Principles of Art History. May be repeated for credit under a different subtitle. Lecture 3 hours. Prerequisites: ART 2313, ART 2323, or HIST 1113, HIST 1123.

4901-3 INDEPENDENT STUDY, 1-3 hours credit

Independent study and guided research in a selected area of Art. May be repeated under a different subtitle. Prerequisite: Approval by the department chairman.

4993 SENIOR ART STUDIO, 3 hours credit

Senior level art experiences in a major studio area. May be repeated for a maximum of six credit hours. Laboratory 6 hours, as assigned by department chairman. Prerequisites: Senior standing in Art and permission of the Department Chairman.



C DEPARTMENT OF COMMUNICATIONS

CHAIRMAN - Tony Allison, Associate Professor

Professor: J. C. Hicks

Assistant Professor: Heflin, Price

Instructor: Norman

The Department of Communications (in cooperation with the Department of Languages and Communication) offers a program leading to a Bachelor of Arts degree with a major in Communications.

BACHELOR OF ARTS DEGREE MAJOR IN COMMUNICATIONS

- I. GENERAL EDUCATION REQUIREMENT 50 hours
II. MAJOR 36 hours

Required Core Courses 12 hours

COMM 1233 Fundamentals of Broadcasting

JOURN 2113 Introduction to Journalism

COMM 3393 Interpersonal Communication

COMM 3383 Corporate and Organizational Communication
or JOURN 4223 Principles of Public Relations

Majors must choose one or more of the following areas:

Communication, Radio/Television, Journalism, Public
Relations and Organizational Communication.

Speech Communication

COMM 1133 Voice and Diction

COMM 2313 Discussion Methods

COMM 3313 Advanced Business and Professional Speaking

Electives (15 hours) may be chosen from the following
courses or from courses in the areas of Radio/Television;

Journalism; and Public Relations and Organizational
Communication

COMM 2143 Debate

COMM 2533 Oral Interpretation

COMM 3013 Parliamentary Procedure

COMM 3023 Pronunciation

COMM 3102 Listening

COMM 3113 Argumentation & Advocacy

COMM 3121-4 Forensic Lab

COMM 3442 Reader's Theatre

COMM 3643 Political Communication Analysis

COMM 3991-3 Workshop

COMM 4991-3 Directed Reading

Radio/Television

COMM 2223 Broadcast Announcing

COMM 2453 Basic Radio Production

COMM 2463 Basic Television Production

Electives (15 hours) may be chosen from the following courses or from courses in the areas of Speech Communication; Journalism; and Public Relations & Organizational Communication

COMM 3003 Advanced Audio Production

COMM 3421-2 Broadcast Lab

COMM 3723 Directing and Advanced Television Production

COMM 3733 Broadcast Programming and Audience Measurement

COMM 4233 Broadcast Management

COMM 4733 Radio/Television Internship

Radio/Television students may select up to six hours of their electives from the following:

THTR 1413 Technical Production

THTR 2423 Stagecraft: Scenery

THTR 2433 Stagecraft: Lighting

THTR 3453 Audio

Journalism

JOURN 3013 News Writing

JOURN 4133 News Editing

JOURN 4813 Mass Media Law

Electives (15 hours) may be chosen from the following courses or from courses in the areas of Speech Communication; Radio/Television; and Public Relations & Organizational Communication

JOURN 3043 Photography

JOURN 3122 Yearbook Production

JOURN 3131 Yearbook Production Lab

JOURN 3233 Newspaper Production Lab

JOURN 3343 Typography and Design

JOURN 4213 Photojournalism

JOURN 4803 Mass Media History

JOURN 4963 Journalism Internship

Public Relations and Organizational Communication

COMM 3383 Corporate and Organizational Communication or

JOURN 4223 Principles of Public Relations

COMM 3313 Advanced Business & Professional Speaking

COMM 3633 Persuasion

Electives (15 hours) may be chosen from any following courses or from courses in the areas of Speech Communication; Radio/Television; and Journalism

COMM 3353 Conference Leadership

COMM 3522 Interviewing

COMM 4633 Communication Assessment and Consulting

COMM 4723 Organizational Communication Internship

JOURN 4823 Case Studies in Public Relations

JOURN 4973 Public Relations Internship

Students in Public Relations and Organizational Communication may select up to six hours of electives from the following:

MGMT 3013 Principles of Management

MKTG 3413 Principles of Marketing
MKTG 4433 Advertising

III. MINOR..... 18 hours

IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

Teacher Licensure/Certification

Cameron University offers a program leading to licensure in Speech/Drama. Consult the Teacher Certification Catalog for details.

COURSES

COMMUNICATIONS (COMM)

1003 ORAL ENGLISH, 3 hours credit

Practical instruction in the correct articulation of phonetic sounds in the English language. Training in listening and in learning rhythm patterns in English. Designed to correct speech habits that contribute to nonstandard English. Lecture 3 hours.

1113 FUNDAMENTALS OF ENGLISH, 3 hours credit

An introductory course designed to acquaint the student with the basic theory of the art of public speaking and to provide experience in the preparation and delivery of short talks. Lecture 3 hours.

1133 VOICE AND DICTION, 3 hours credit

A general study of the structure of the vocal mechanism; principles of vocal quality, articulation and pronunciation. Lecture 3 hours.

1233 FUNDAMENTALS OF BROADCASTING, 3 hours credit

The organization and function of broadcasting. Introduction to the techniques used in radio and television broadcasting. Lecture 3 hours.

2143 DEBATE, 3 hours credit

Acquaints the student with the complexity of social problems, methods of research, methods of logical analysis and development, construction of briefs, and techniques of refutation; practice in preparation and delivery of sustained arguments. Lecture 3 hours.

2223 BROADCAST ANNOUNCING, 3 hours credit

A course designed to meet the specific needs of the radio-television announcer; instruction includes drills to develop effective vocal communication as a means of improving radio-television presentation and delivery. Lecture 3 hours. Prerequisite: COMM 1233.

2313 DISCUSSION METHODS, 3 hours credit

An overview of the nature of discussion and its essential function in democratic decision-making; study of methods for defining the discussion question, securing information, constructing and defending arguments, and preparing discussion outlines; a review of contemporary theory regarding structure and processes in groups. Observation and practice in information sharing and decision-making groups. Lecture 3 hours.

2453 BASIC RADIO PRODUCTION, 3 hours credit

Tools and techniques of audio recording and radio station operation. Lecture 3 hours, laboratory 2 hours. Prerequisite: COMM 1233.

2463 BASIC TELEVISION PRODUCTION, 3 hours credit

An introduction to the basic principles, procedures, and techniques of television production. The course includes; video control, special effects, operation of cameras and editing machines, composition, lighting, staging, and directing,

on-camera announcing and interviewing. Lecture 3 hours, laboratory 2 hours. Prerequisite: COMM 1233 or Department permission.

2533 ORAL INTERPRETATION, 3 hours credit

A beginning study and practice in oral reading of literature, with emphasis on the oral expression of logical and emotional meaning in literature, and the selection of material. Lecture 3 hours.

3003 ADVANCED AUDIO PRODUCTION, 3 hours credit

Theory and practice in the operation of advanced audio recording, and sound creation, and transmission equipment. Lecture 3 hours, laboratory 2 hours. Prerequisite: COMM 2453 or department permission.

3013 PARLIAMENTARY PROCEDURE, 3 hours credit

An intensive study of *Robert's Rules of Parliamentary Procedure* with some practical experience in application. Lecture 3 hours.

3023 PRONUNCIATION, 3 hours credit

Study of standards of pronunciation and specific exceptions. Designed to equip the student with pronunciation skills. Lecture 3 hours.

3102 LISTENING, 2 hours credit

A study in the qualities of good listening for personal and organizational communication effectiveness. Performance exercises are used as teaching tools to improve skills. Lecture 2 hours.

3113 ARGUMENTATION AND ADVOCACY, 3 hours credit

Nature of argumentative controversy: studies in analysis, evidence, reasoning, and refutation; variables of form and methods. Lecture 3 hours.

3121-4 FORENSIC LAB, 1-4 hours credit

Preparation for the participation in intercollegiate forensics and competitive speech activities including debate, discussion, original oratory, extemporaneous and impromptu speaking and oral interpretation. Prerequisite: departmental permission.

3313 ADVANCED BUSINESS & PROFESSION SPEAKING, 3 hours credit

Emphasis is placed on the development of public speaking skills in business and professional settings. Technical, visual aids, symposium, sales and other persuasive presentations will be given attention. Lecture 3 hours.

3353 CONFERENCE LEADERSHIP, 3 hours credit

A course designed for the person desiring to develop practical leadership skills for business and professional conferences. Both the theory and application of conference leadership are stressed. Lecture 3 hours.

3383 CORPORATE AND ORGANIZATION COMMUNICATION, 3 hours credit

The theory and function of communication within businesses, government, hospitals, schools, industrial firms, and other organizations with emphasis on concepts and principles needed for effective communication. Lecture 3 hours.

3393 INTERPERSONAL COMMUNICATION, 3 hours credit

Improving communication between persons. Discovering and overcoming obstacles in person-to-person communication. Self-awareness of the student's own communication behavior as well as that of others. Projects in listening, speaking and communicating nonverbally. Lecture 3 hours.

3421-2 BROADCAST LAB, 1-2 hours credit

Preparation for and participation in all phases of radio and television; may be repeated for a maximum of four hours. Prerequisite: department permission.

3442 READER'S THEATRE, 2 hours credit

The group performance of literature; studies in the selection and adaptation of various literary forms. Emphasis is given to script development and production techniques. Lecture 2 hours. Prerequisite: COMM 2533.

3522 INTERVIEWING, 2 hours credit

Methods and guidelines of employment interviewing from the perspective of the interviewer(ee). Other types of interviews to be examined are the selection, appraisal, counseling, legal, information gathering, and sales interview. Lecture 2 hours.

3633 PERSUASION, 3 hours credit

A study of persuasive communication, including theories of human motivation; audience analysis; methods of adaptation; emotion, logical and rhetorical appeals; and special emphasis on ethical responsibilities of the speaker and listener. Analysis, preparation and presentation of persuasive speeches. Lecture 3 hours.

3643 POLITICAL COMMUNICATION ANALYSIS, 3 hours credit

Principles and methods of critical analysis will be examined, both historical and contemporary. Students will interpret and evaluate political persuasion. Emphasis will be given to speeches, campaigns, and movements. Lecture 3 hours. Prerequisite: Upper-division standing and ENGL 1113 and 1213.

3723 DIRECTING AND ADVANCED TELEVISION PRODUCTION, 3 hours credit

Advanced techniques in television production for commercial and educational television. Major emphasis on directing and producing. Lecture 3 hours, laboratory 2 hours. Prerequisites: COMM 1233 and 2463.

3733 BROADCAST PROGRAMMING AND AUDIENCE MEASUREMENT, 3 hours credit

Principles governing the selection of programs; preparation of broadcast schedules; and audience measurements. Focus will include program types, rating systems, program and audience analysis in radio, television and cable. Lecture 3 hours. Prerequisite: COMM 1233.

3991-3 WORKSHOP, 1-3 hours credit

Workshop designed to give intensive emphasis to a specific area of speech. May be repeated with a different topic for additional credit up to a maximum of six hours. Prerequisites: Junior standing and/or department permission.

4233 BROADCAST MANAGEMENT, 3 hours credit

Intensive investigations into station management functions, advertising and sales, network and labor relations, internal organizational structures, operational procedures, budget planning, and government regulations. Lecture 3 hours. Prerequisite: COMM 1233.

4633 COMMUNICATION ASSESSMENT AND CONSULTING, 3 hours credit

Introduction to the various instruments used in measuring communication effectiveness in the organizational setting. Emphasis will be given to auditing and diagnostic methods, designing solutions to communication problems and examining consulting strategies. Lecture 3 hours.

4723 ORGANIZATIONAL COMMUNICATION INTERNSHIP, 3 hours credit

Supervised work experience in a professional setting which relates to the student's career objectives. The internship will allow practical experience in corporate and organizational communication. May be repeated for a maximum of six hours. Prerequisites: Upper-division standing and department permission.

4733 RADIO/TELEVISION INTERNSHIP, 3 hours credit

Supervised work experience in a professional setting which relates to the student's career objectives. The internship will allow practical experience in radio/television. May be repeated for a maximum of six hours. Prerequisite: Upper-division standing and department permission.

4773 SPEECH/DRAMA METHODS, 3 hours credit

Study of the basic program of speech-drama in the secondary schools; organization of materials, procedures and techniques of instruction. Visitation and observation of the teaching situation. Lecture 3 hours. Prerequisites: Department permission and 20 hours communications and theatre arts.

4991-3 DIRECTED READING, 1-3 hours credit

An individual study course of advanced nature. Subject matter varies with background and interest of the student and may be both classwork and laboratory. Prerequisite: department permission. May be repeated for a total of six hours credit.



M DEPARTMENT OF MUSIC

CHAIRMAN - James Lambert, Associate Professor

Professors: Bowman, G. Smith

Associate Professors: Fletcher, S. Martin, McCollom, V. Sircy, A. Smith, Stegall (temporary)

Assistant Professors: Blake (temporary), Moots, Pickthorn, Radcliffe, Thomas

The Department of Music offers a program leading to a Bachelor of Arts degree with a major in Music as well as a program leading to a Bachelor of Music with a major-minor in Music.

BACHELOR OF ARTS DEGREE MAJOR IN MUSIC

- | | |
|--|----------|
| I. GENERAL EDUCATION REQUIREMENTS..... | 50 hours |
| II. MAJOR | 40 hours |
| MUS 1000 Concert Attendance (7 semesters) | |
| MUS 1413 Music Literature I | |
| MUS 1423 Music Literature II | |
| MUS 2312 Harmony & Structure I | |
| MUS 2332 Harmony & Structure II | |
| MUS 3313 Harmony & Structure III | |
| MUS 3333 Harmony & Structure IV | |
| MUS 3513 Music History I | |
| MUS 3523 Music History II | |
| MUS 3612 Fundamentals of Conducting | |
| Major Lesson Field (minimum 2 hours at 4000 level) total 8 hours | |
| Minor Lesson Field 4 hours | |
| Electives in Music 4 hours | |
| III. MINOR..... | 18 hours |
| IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION. | |
| All music majors (B.A. Degree) must pass a junior standing examination in the major lesson field and a keyboard proficiency examination. A music major is required each semester to enroll in band, choir or accompanying. | |

Teacher Licensure/Certification

Cameron University offers a program leading to licensure/certification in Music. Degree requirements are not necessarily identical with certification requirements. Consult the Teacher Certification Catalog and your departmental advisor for details.

BACHELOR OF MUSIC DEGREE MAJOR IN MUSIC

Core Requirements

- MUS 1000 Concert Attendance (semesters)
- MUS 1413 Music Literature I
- MUS 1423 Music Literature II
- MUS 2312 Harmony & Structure I
- MUS 2321 Sight Singing & Ear Training I
- MUS 2332 Harmony & Structure II
- MUS 2341 Sight Singing & Ear Training II
- MUS 3313 Harmony & Structure III
- MUS 3321 Sight Singing & Ear Training III
- MUS 3333 Harmony & Structure IV
- MUS 3341 Sight Singing & Ear Training IV
- MUS 3513 Music History I
- MUS 3523 Music History II
- MUS 3612 Fundamentals of Conducting
- MUS 3622 Advanced Conducting
- MUS 3990 Junior Recital (except Music Education)
- MUS 4312 Counterpoint (except Music Education)
- MUS 4322 Twentieth Century Techniques
- MUS 4333 Form & Analysis (except Music Education)
- MUS 4981 Independent Study (except Music Education)
- MUS 4990 Senior Recital

Concentration in Instrumental Music Education

- MUS 1141 Choir (2 semesters)
- MUS 1201 Class Lessons/Voice
- MUS 3642 Woodwind Methods
- MUS 3652 Brass Methods
- MUS 3662 String Methods
- MUS 3671 Percussion Methods
- MUS 4343 Arranging
- MUS 4712 Elementary Methods
- MUS 4722 Secondary Methods
- Major Lesson Field (minimum 4 hours 4000 level)
- Minor Lesson Field 4 hours
- Total Hours - 65

with Vocal Endorsement

- MUS 1141 Choir (2 additional semesters)
- MUS 3732 Secondary Vocal Methods
- Minor Lesson Field/Voice (6 hours)

Concentration in Vocal Music Education

- MUS 1111 Band (2 semesters)
- MUS 3642 Woodwind Methods or
 - MUS 3652 Brass Methods or
 - MUS 3662 String Methods or
 - MUS 3671 Percussion Methods and 1 hour applied instrument
- MUS 4343 Arranging

MUS 4712 Elementary Methods
 MUS 4732 Secondary Vocal Methods
 MUS 4762 Singer's Diction
 Major Lesson Field: Voice or Keyboard (minimum
 4 hours at 4000 level)
 Minor Lesson Field/Keyboard or Voice
 Total Hours - 65 hours

with Instrumental Endorsement

MUS 1111 Band (2 additional semesters/minimum)
 2 marching band)
 MUS 3642 Woodwind Methods
 MUS 3652 Brass Methods
 MUS 3662 String Methods
 MUS 3671 Percussion Methods
 MUS 4722 Secondary Instrumental Methods
 Minor Lessons Instrument (non-keyboard) 6 hours

Concentration in Performance

MUS 3642 Woodwind Methods (instrumental only)
 MUS 3652 Brass Methods (instrumental only)
 MUS 3662 String Methods (instrumental only)
 MUS 3671 Percussion Methods (instrumental only)
 MUS 4743 Keyboard Pedagogy (keyboard only)
 MUS 4753 Vocal Pedagogy (vocal only)
 MUS 4762 Vocal Diction (vocal only)
 Major Lesson Field (minimum 10 hours at 4000 level) 20 hours
 Minor Lesson Field (keyboard: minimum 4 hours organ) 6 hours
 Electives in Music 107 hours
 Total Hours - 73 hours

Concentration in Composition

MUS 3351 Composition (6 hours)
 MUS 3642 Woodwind Methods
 MUS 3652 Brass Methods
 MUS 3662 String Methods
 MUS 3671 Percussion Methods
 MUS 4343 Arranging
 MUS 4351 Composition
 MUS 4362 Electronic Music
 Private Lesson/Piano (Minimum 2 hours in 4000 level) 6 hours
 Minor Lesson Field 4 hours
 Electives in Music 2 hours
 Total Hours - 73 hours

Concentration in Sacred Music

MUS 3443 Sacred Music I
 MUS 3453 Sacred Music II
 MUS 4762 Singer's Diction
 Major Lesson Field/Keyboard (normally organ) or Voice
 (minimum 10 hours at 4000 level) 16 hours
 Minor Lesson Field/Voice or Keyboard (normally
 organ) 6 hours
 Electives in Music 8 hours
 Total Hours - 73 hours

All Music Majors (B.M. Degree) must pass an entrance examinations, a junior standing examination, and a keyboard proficiency examination. A music major is required each semester to enroll in band, choir or accompanying.

COURSES

MUSIC (MUSIC)

1000 CONCERT ATTENDANCE, 0 hours credit

Each semester the music faculty will compile a list of concerts and recitals occurring in the Lawton area. To qualify for graduation, music majors must attend at least 10 of the list programs each semester for a minimum of seven semesters in residence at Cameron University.

1013 AMERICAN POPULAR MUSIC, 3 hours credit

The study of the various styles in American popular music. An introduction to jazz, country-western, folk, musical, theater, blues, rock, electronics, etc. Intended for the non-music major. Lecture 3 hours.

1023 MUSIC APPRECIATION, 3 hours credit

The study of our cultural heritage through an acquaintance with the elements of music and a variety of musical styles. The course includes listening to recorded music and live performance. Lecture 3 hours.

1111-2 BAND, 1-2 hours credit

Performance ensemble open to all university students. Lab 4-6 hours. Prerequisite: Permission of Director. May be repeated for credit.

1121 ORCHESTRA, 1 hour credit

Performance ensemble open to members of the Lawton Philharmonic Orchestra. Lab 2 hours. Prerequisite: Permission of Director. May be repeated for credit.

1131 JAZZ ENSEMBLE, 1 hour credit

Performance ensemble open to all university students. Lab 2 hours. Prerequisite: Permission of Director. May be repeated for credit.

1141-2 CHOIR, 1-2 hours credit

Performance ensemble open to all university students. Lab 4 hours. Prerequisite: Permission of Director. May be repeated for credit.

1201 CLASS LESSONS, 1 hour credit

Class instruction in an orchestral instrument, keyboard or voice. Lab 2 hours. Requires 5 hours practice per week. May be repeated for credit.

1413 MUSIC LITERATURE I, 3 hours credit

The study of the development of musical styles from antiquity to the twentieth century and the associated techniques of listening to music. Lecture 3 hours.

1423 MUSIC LITERATURE II, 3 hours credit

Continuation of MUS 1413. Lecture 3 hours.

2201-4 PRIVATE LESSONS, 1-4 hours credit

Private instruction in an orchestral instrument, keyboard or voice. One half-hour lesson per week per credit enrolled, maximum one hour lesson per week. Requires minimum 5 hours per week of practice per hour enrolled. May be repeated to a maximum 12 hours per instrument. Open to non-music majors.

2302 MUSIC FUNDAMENTALS, 1 hour credit

An introduction to the basic signs and symbols and the theory of music. Lecture 2 hours.

2312 HARMONY AND STRUCTURE I, 2 hours credit

The study of the harmony and structure of music through music analysis, composition, and the development of associated functional keyboard skills. Lecture 1 hour/lab 2 hours. Recommended for music majors only.

2321 SIGHT-SINGING AND EAR TRAINING I, 1 hour credit

The study and development of sight singing and ear training skills through the mastery of written, visual, singing and aural techniques. Lab 2 hours. Concurrent enrollment with MUS 2312 recommended.

2332 HARMONY AND STRUCTURE II, 2 hours credit

A continuation of MUSIC 2312. Lecture 1 hour/lab 2 hours. Prerequisite: MUS 2312.

2341 SIGHT-SINGING AND EAR TRAINING II, 1 hour credit

A continuation of MUS 2321. Lab 2 hours. Prerequisite: MUS 2321. Concurrent enrollment with MUS 2332 recommended.

3151-2 MUSIC THEATRE LABORATORY, 1-2 hours credit

The development of music theatre skills through opera, operetta and musical production/performance. The course introduces techniques of acting and staging. Lab 2-4 hours. Prerequisite: Departmental permission. May be repeated for credit.

3161-2 SMALL ENSEMBLE, 1-2 hours credit

Participation in instrumental, keyboard or vocal ensemble. Lab 2 hours per credit. Prerequisite: Departmental permission. May be repeated for credit.

3171-4 ACCOMPANYING, 1-4 hours credit

Piano performance experience through accompanying solists, small and large ensembles, and musical/opera productions. Lab 3 hours accompanying plus practice each week per semester hour credit. Prerequisite: Departmental permission. May be repeated for credit.

3313 HARMONY AND STRUCTURE III, 3 hours credit

A continuation of MUS 2332. Lecture 3 hours. Prerequisite: MUS 2332.

3321 SIGHT-SINGING AND EAR TRAINING III, 1 hour credit

A continuation of MUS 2341. Lab 2 hours. Prerequisite: MUS 2341. Concurrent enrollment with MUS 3313 recommended.

3333 HARMONY AND STRUCTURE IV, 3 hours credit

A continuation of MUS 3313. Lecture 3 hours. Prerequisite: MUS 3313.

3341 SIGHT-SINGING AND EAR TRAINING IV, 1 hour credit

A continuation of MUS 3321. Lab 2 hours. Prerequisite: MUS 3321. Concurrent enrollment with MUS 3333 recommended.

3351-3 COMPOSITION, 1-3 hours credit

An exploration of various compositional styles and techniques. Taught on an independent study basis. Prerequisite: Departmental permission. May be repeated for credit.

3433 CHAMBER MUSIC LITERATURE, 3 hours credit

Survey of instrumental, keyboard and vocal chamber music literature. Lecture 3 hours. Prerequisite: MUS 1423.

3443 SACRED MUSIC I, 3 hours credit

A study of liturgies and hymnology. Lecture 3 hours.

3453 SACRED MUSIC II, 3 hours credit

A study of church music literature, methods and administration. Lecture 3 hours.

3512 VOCAL PEDAGOGY, 2 hours credit

Study of vocal teaching techniques including anatomy of vocal tract, physiological process, and acoustical properties, repertory for high school students. Class 2 hours. Prerequisite: Departmental permission.

3513 MUSIC HISTORY I, 3 hours credit

A general study of music development from antiquity through the Baroque era. Lecture 3 hours. Prerequisite: MUS 1413.

3523 MUSIC HISTORY II, 3 hours credit

A continuation of MUS 3513 from Classical through Contemporary music. Lecture 3 hours. Prerequisite: MUS 1423.

3612 FUNDAMENTALS OF CONDUCTING, 2 hours credit

A beginning course in the principles of both choral and instrumental conducting. Lecture 1 hour/lab 2 hours.

3622 ADVANCED CONDUCTING, 2 hours credit

The techniques of reading scores, use of the baton and interpretation. Practical experience in conducting. Prerequisite: MUS 3612. Lecture 1 hour/lab 2 hours.

3642 WOODWIND METHODS, 2 hours credit

The study of flute, oboe, clarinet, bassoon, and saxophone. Basic concepts of playing and teaching woodwind instruments; survey of methods, materials and field experience. Lecture 1 hour/lab 2 hours.

3652 BRASS METHODS, 2 hours credit

The study of trumpet, French horn, euphonium, trombone and tuba. Basic Concepts of playing, and teaching brass instruments; survey of methods, materials and field experience. Lecture 1 hour/lab 2 hours.

3662 STRING METHODS, 2 hours credit

The study of the violin, viola, violoncello, double bass. Basic concepts of playing and teaching string instruments; survey of methods, materials and field experiences. Lecture 1 hour/lab 2 hours.

3671 PERCUSSION METHODS, 1 hour credit

The study of fundamentals of all percussion instruments. Basic concepts of playing and teaching percussion instruments; survey of methods, materials and field experiences. Lecture 1 hour/lab 1 hour.

3683 MUSIC FOR THE ELEMENTARY TEACHER, 3 hours credit

Rudiments for the general teacher. Functional approach to theory, singing, rhythm, and piano. Materials and methods for the classroom. Lecture 3 hours.

3692 MUSIC METHODS FOR SPECIAL EDUCATION, 2 hours credit

The use of music to assist students with handicaps in the acquisition of basic learning skills. Lecture 2 hours.

3801-4 PRIVATE LESSONS, 1-4 hours credit

Private instruction in an orchestral instrument, keyboard or voice. One half-hour lesson per week per credit enrolled, maximum one hour less per week. Requires minimum 5 hours per week of practice per hour enrolled. May be repeated to a maximum of 12 hours per instrument. Prerequisite: Departmental permission. Open to music majors only.

3981-3 SEMINAR, 1-3 hours credit

A course designed to give students the opportunity to study a subject not covered in the regular course offerings or not covered in sufficient depth for their needs. Prerequisite: Departmental permission.

3990 JUNIOR RECITAL, 0 hours credit

A pre-senior performance in the student's major area of study, normal one half-hour in length. Prerequisite: Permission of the Department Chairman.

4312 COUNTERPOINT, 2 hours credit

A study of 18th Century species counterpoint through analysis and composition. Lecture 2 hours. Prerequisite: MUS 3333.

4322 TWENTIETH CENTURY TECHNIQUES, 2 hours credit

A study of 20th Century harmonic and melodic techniques approached through original composition, analysis and performance. Lecture 2 hours. Prerequisite: MUS 3333.

4332 FORM AND ANALYSIS, 2 hours credit

A study of the standard polyphonic and homophonic forms of the 18th and 19th centuries. Lecture 2 hours. Prerequisite: MUS 3333.

4343 ARRANGING, 3 hours credit

The study of the art of arranging for instrumental and vocal ensembles. Lecture 3 hours. Prerequisite: MUS 3333.

4351-3 COMPOSITION, 1-3 hours credit

An exploration of various compositional styles and techniques. Taught on an independent study basis. Prerequisite: Junior standing and departmental permission. May be repeated for credit.

4362 ELECTRONIC MUSIC, 2 hours credit

An introduction to the literature, equipment and techniques of electronic music. This course is designed to provide the student with practical experience in the manipulation of sound in an electronic music studio. Lecture 1 hour/lab 2 hours. Prerequisite: Departmental permission.

4712 ELEMENTARY METHODS, 2 hours credit

A professional training course for students preparing to teach elementary school music. Includes philosophies and practices of current leading music educators with classroom experience relating to conceptual approach. Teacher Certification Students must be admitted to teacher education prior to enrollment in this course. Lecture 2 hours. Prerequisite: Departmental permission.

4722 SECONDARY INSTRUMENTAL METHODS, 2 hours credit

A professional training course for students preparing to teach secondary school instrumental music. Study of philosophy, psychology and pedagogy as applied to the teaching of instruments. Teacher Certification Students must be admitted to teacher education prior to enrollment in this course. Lecture 2 hours. Prerequisite: Departmental permission.

4832 SECONDARY VOCAL METHODS, 2 hours credit

A professional training course for students preparing to teach secondary school vocal music. Study of philosophy and pedagogy as applied to the teaching of vocal music. Teacher Certification Students must be admitted to teacher education prior to enrollment in this course. Lecture 2 hours. Prerequisite: Departmental permission.

4743 KEYBOARD PEDAGOGY, 3 hours credit

The study of teaching techniques and material for class and private instruction. Lecture 3 hours. Prerequisite: Departmental permission.

4753 VOCAL PEDAGOGY, 3 hours credit

The study of vocal training techniques including anatomy of vocal tract, physiological process and acoustical properties, methods and materials. Lecture 3 hours. Prerequisite: Departmental permission.

4762 VOCAL DICTION, 2 hours credit

An introduction to diction in Italian, German, and French based on the song literature and using the International Phonetic Alphabet. Lecture 1/hour/lab 2 hours. Prerequisite: Departmental permission.

4801-4 PRIVATE LESSONS, 1-4 hours credit

Private instruction in an orchestral instrument, keyboard or voice. One half-hour lesson per week per credit hour enrolled, maximum one week. Requires minimum 5 hours per week of practice per hour enrolled. May be repeated to a maximum 16 hours per instrument. Prerequisite: Junior standing and departmental permission. Open to music majors only.

4910-4 WORKSHOP, 0-4 hours credit

A concentrated specific activity utilizing lectures and practical application exercises. May be repeated for credit to a maximum of 8 hours credit.

4981-3 INDEPENDENT STUDY, 1-3 hours credit

A special study based on the needs of the individual student directly related to the student's major. Individual guidance will be provided by a faculty member. Prerequisite: Departmental permission. The total number of hours earned in independent study may not exceed four.

4990 SENIOR RECITAL, 0 hour credit

Culminating performance in the student's major area of study. Normally one hour in length. Prerequisite: Permission of the Department Chairman.



T DEPARTMENT OF HEATRE ARTS

CHAIRMAN - David Fennema, Assistant Professor

Assistant Professor: Hofmann

Instructor: Keyser

Theatre Technician: Bausch

Adjunct Instructor: Kelly

The Department of Theatre Arts offers a program leading to a Bachelor of Arts degree with a major in Theatre and a Bachelor of Fine Arts with a major-minor in Theatre.

BACHELOR OF ARTS DEGREE MAJOR IN THEATRE

- I. GENERAL EDUCATION REQUIREMENT 50 hours
- II. MAJOR 40 hours
- THTR 1000 Theatre Practicum (8 semesters)
 - THTR 1113 Introduction to Theatre
 - THTR 1312 Dance for the Theatre I
 - THTR 1413 Technical Production
 - THTR 2613 Acting I
 - THTR 2423 Stagecraft or
 - THTR 2433 Lighting or
 - THTR 2443 Make-up or
 - THTR 3473 History of Costume
 - THTR 3513 History of Theatre I
 - THTR 3523 History of Theatre II
 - THTR 3543 Dramatic Literature I
 - THTR 3553 Dramatic Literature II
 - THTR 3723 Directing I
 - Electives in Theatre..... 11 hours
- III. MINOR..... 18 hours
- IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

Teacher Licensure/Certification

Cameron University offers a program leading to licensure/certification in Speech/Drama. Degree requirements are not necessarily identical with certification requirements. Consult the Teacher Certification Catalog and your departmental advisor for details about certification.

BACHELOR OF FINE ARTS DEGREE MAJOR IN THEATRE

Major/Minor Field 71 hours

Core Requirements

THTR 1000 Theatre Practicum (8 semesters)
 THTR 1113 Introduction to Theatre
 THTR 1312 Dance for Theatre I
 THTR 1413 Technical Production
 THTR 1911-3 Theatre Laboratory
 THTR 2613 Acting I
 THTR 3473 History of Costume
 THTR 3513 History of Theatre I
 THTR 3523 History of Theatre II
 THTR 3543 Dramatic Literature I
 THTR 3553 Dramatic Literature II
 THTR 3723 Directing I
 THTR 4933 Independent Study
 Electives in Theatre (Upper Division) 9 hours
 COMM 1133 Voice and Diction

Concentration in Acting

THTR 1312 Dance for Theatre I (Total 4 hours)
 THTR 2323 Dance for Theatre II (Total 6 hours)
 THTR 2443 Make-Up
 THTR 2623 Acting II
 THTR 3633 Acting III
 THTR 3643 Acting IV
 MUS 1201 Class Lessons: Voice or MUS 2201
 Private Voice
 MUS 3151 Music Theatre Lab (2 semesters)

Concentration in Technical Theatre

THTR 2423 Stagecraft
 THTR 2433 Lighting
 THTR 4413 Scene Design
 THTR 4423 Lighting Design or
 THTR 3483 Costume Design
 Two courses from the following (6 hours)
 THTR 2443 Make-Up
 THTR 3453 Scene Painting
 THTR 3463 Audio
 H EC 1233 Clothing Selection and Construction

ART 1013 Beginning Drawing
 ART 2413 Beginning Mixed Media

All Theatre Arts majors (B.F.A. Degree) must pass an entrance examination and a junior standing examination.

COURSES

THEATRE ARTS (THTR)

1000 THEATRE PRACTICUM, 0 hours credit

A required course open only to theatre majors. Each theatre major, while in residence, must contribute a minimum of three hours per week per semester to assignments in one or more of the following areas: Box Office, Costuming, Promotion, and Scene Construction. These three hours are independent of and in addition to any other course, work-study, or laboratory assignments.

1113 INTRODUCTION TO THEATRE, 3 hours credit

An exploration of the theatre as an art form including forms of drama, styles of production, relationship of performer to audience, basic acting/directing techniques and theories, technical theatre, responsibilities of personnel and performers and how to view a play. Primarily a discussion and observation course with emphasis on building a vocabulary of theatre terms. Lecture 3 hours.

1312 DANCE FOR THEATRE I, 2 hours credit

An activity class for the beginning dancer, designed to build strength, confidence and self awareness. Includes ballet, modern dance, jazz and improvisational dance. Lab 4 hours. May be repeated for credit.

1413 TECHNICAL PRODUCTION, 3 hours credit

An introduction to technical theatre: stage management, scenery, and lighting. Responsibilities and procedures of the stage manager; methods and materials used in construction and rigging of stage scenery; lighting techniques, instruments and principles; stage terminology. Lecture 3 hours. Prerequisite: THTR 1113.

1911-3 THEATRE LAB, 1-3 hours credit

Open to all university students. Laboratory experience in performance, technical production, and management. Arranged around the student's schedule. May be repeated for credit. Permission of instructor.

2323 DANCE FOR THEATRE II, 3 hours credit

Beginning intermediate class, increasing the understanding of dance technique. Development of spatial awareness will be emphasized. Lab 6 hours. Prerequisite: THTR 1312. May be repeated for credit.

2423 STAGECRAFT, 3 hours credit

Intensive study and practice in planning, layout, construction, and painting of the stage setting. Tools, materials, and resources used by the stage technician. Prerequisite: THTR 1413.

2433 LIGHTING, 3 hours credit

Mechanics of stage lighting: instrumentation, basic electricity, control systems, color mixing and graphic presentation. Involves participation in preparing lighting for major productions. Lecture 2 hours/lab 2 hours. Prerequisite: THTR 1413.

2443 MAKEUP, 3 hours credit

Principles and practice of application of stage make-up: corrective, character, old age, likeness and fantasy. Use of beards, latex and three dimensional materials. Lecture 2 hours/lab 2 hours. Prerequisite: THTR 1113.

2613 ACTING I, 3 hours credit

Development of basic acting skills including self-awareness, movement, verbal and non-verbal communication, improvisation and working within an ensemble. Lecture 2 hours/lab 2 hours. Prerequisite: THTR 1113.

2623 ACTING II, 3 hours credit

Basic acting skills applied to memorized scene work. Techniques of character development and script analysis using scenes from contemporary scripts. Scene study. Lecture 2 hours/lab 2 hours. Prerequisite: THTR 2613.

3333 DANCE FOR THEATRE III, 3 hours credit

Continuation of THTR 2323. Concentration on dance combinations (ballet, modern and jazz) and developing performing qualities. Lab 6 hours. Prerequisite: THTR 2323. May be repeated for credit.

3453 SCENE PAINTING, 3 hours credit

A studio class in theatrical painting techniques. Methods, materials, and equipment used in creating the visual background for the production. Selection and preparation of painting surfaces. Mixing, matching and application of color. Lecture 2 hours/lab 2 hours. Prerequisite: THTR 2423.

3463 AUDIO, 3 hours credit.

The nature of sound; operating principles and choice of equipment; design of reinforcement, effects and communications systems. Aesthetic use of sound and role of the sound designer. Projects in practical application. Lecture 3 hours. Prerequisite: THTR 1113.

3473 HISTORY OF COSTUME, 3 hours credit

History of dress modes, with special emphasis on how period costumes affect movement and character interaction. The sociological significance of styles of dress. Lecture 3 hours. Prerequisite: THTR 1113.

3483 COSTUME DESIGN, 3 hours credit

Principles of costume design for the stage; development and rendering of design concepts; use of historic, stylistic and fantasy elements in stage character realization. Lecture 2 hours/lab 2 hours. Prerequisite: H EC 1233 and THTR 3473.

3513 HISTORY OF THEATRE I, 3 hours credit

A study of evolution of drama, theatre architecture, technical theatre, acting and directing from the origins of the theatre through Elizabethan England. Lecture 3 hours. Prerequisite: THTR 1113.

3523 HISTORY OF THEATRE II, 3 hours credit

A study of the evolution of drama, theatre architecture, technical theatre, acting and directing from the Italian Renaissance to the present. Lecture 3 hours. Prerequisite: THTR 1113.

3543 DRAMATIC LITERATURE I, 3 hours credit

A survey of dramatic literature from classical Greece through 1800. Lecture 3 hours. Prerequisite: THTR 1113.

3553 DRAMATIC LITERATURE II, 3 hours credit

A study of dramatic literature from 1800 to the present. Lecture 3 hours. Prerequisite: THTR 1113.

3633 ACTING III: SHAKESPEAREAN ACTING, 3 hours credit

Lecture and scene work on acting style appropriate to the works of William Shakespeare. Lecture 2 hours/lab 2 hours. Prerequisite: THTR 2623.

3643 ACTING IV: STYLES, 3 hours credit

Lecture and scene work in period acting styles. Lecture 2 hours/lab 2 hours. Prerequisite: THTR 3633.

3723 DIRECTING I, 3 hours credit

A study of directing fundamentals including script selection and analysis, concept development, casting, rehearsing and staging a production. Lecture 2 hours/lab 2 hours. Prerequisites: THTR 1413, 2623, 1312 (2 semesters), 3513, 3523, 3543, 3553.

3823 HISTORY OF THE AMERICAN MUSICAL THEATRE, 3 hours credit

The history of the American musical theatre from its origins to the present day. A study of composers, lyricists, playwrights, and directors who have influenced the development of the musical play. Lecture 3 hours. Prerequisite: THTR 1113.

3833 CHILDREN'S THEATRE, 3 hours credit

Techniques of presenting theatrical productions for children: choice and analysis of material, character development, costuming and staging. Lecture 2 hours/laboratory 2 hours. Prerequisite: THTR 1113 and permission of department.

3843 THEATRE ADMINISTRATION, 3 hours credit

An examination of management considerations and types of producing organizations, their operation and staffing. Play selection, budgeting, box office procedures, publicity, promotion, and house management. Lecture 3 hours. Prerequisite: Junior standing.

3921-3 WORKSHOP, 1-3 hours credit

Experimentation, reading, research, lecture and/or discussion in various areas of theatre history, technology, performance and practice. Designed to give intensive emphasis to a specific area of theatre including improvisation, directing projects, designs, original scripts, etc. Laboratory 2-6 hours. Prerequisite: Permission of the department.

4343 DANCE FOR THEATRE IV, 3 hours credit

Advanced dance class. Concentrating on multiple turns, jumps with beats and other more complicated movements. Special attention paid to ballet techniques and modern choreography. Laboratory 6 hours. Prerequisite: THTR 3333. May be repeated for credit.

4413 SCENE DESIGN, 3 hours credit

Theories and principles of design for the stage. History, styles, and aesthetics of scenic elements. Projects in analysis, research, and communication of a concept through graphic means. Lecture 3 hours. Prerequisite: THTR 2423.

4423 LIGHTING DESIGN, 3 hours credit

Investigation and evaluation of lighting practice and artistry. Creation of the design concept, light plots, and schemes of execution. The role of the lighting designer in the contemporary theatre. Lecture 3 hours. Prerequisite: THTR 2433.

4733 DIRECTING II, 3 hours credit

Study of movement, line interpretation, crowd scenes and communication with actors/designers/technicians using scenes from contemporary drama. Lecture 2 hours, laboratory 2 hours. Prerequisites: THTR 3723, 2423 and 2433.

4853 PLAYWRIGHTING, 3 hours credit

The process of creating a script for stage use. Lecture 2 hours, laboratory 2 hours. Prerequisites: THTR 1113, 1413 and permission of the department.

4931-3 INDEPENDENT STUDY, 1-3 hours credit

An individual study course of advanced nature. Subject matters vary with background and interest of student. Prerequisite: Permission of department.

4941-3 SEMINAR, 1-3 hours credit

Concentrated investigation of specific problems and/or areas in theatre. Prerequisite: Permission of department.

4951-8 INTERNSHIP, 1-8 hours credit

Off-campus work with regional or national theatre companies and firms specializing in theatrical goods and services. Open only to juniors and seniors with permission of the department. May be repeated for credit.





DIVISION OF LANGUAGE ARTS

Head, Josephine Raburn
Professor of Languages and Communication

DEPARTMENT OF ENGLISH
DEPARTMENT OF
LANGUAGES
AND COMMUNICATION

E DEPARTMENT OF ENGLISH

CHAIRMAN - Scherrey Cardwell, Professor

Professors: Allen, McKeown, L. Shanahan, M. Shanahan, Swope

Associate Professors: Holmes, Solstad

Assistant Professors: Higgins, Lansdown, Newell, Sircy

The Department of English offers a program leading to a Bachelor of Arts degree with a major in English and concentrations in English or English Education. The English concentration is designed for students contemplating graduate work, including law school; for students desiring careers in technical writing, editing, public relations and the like; and for students desiring a broad general background in literature. The English Education Concentration is designed for prospective teachers of secondary English.

BACHELOR OF ARTS DEGREE MAJOR IN ENGLISH

I. GENERAL EDUCATION REQUIREMENT 50 hours

Students should consult their academic advisors about appropriate coursework. Teacher Certification candidates should consider the requirements and certificate endorsements for the Standard English Certificate when selecting courses to meet general education requirements.

II. MAJOR 45 hours

Required Courses 12 hours

ENGL 3113 Shakespeare

ENGL 3303 Advanced Composition

ENGL 4613 English Linguistics

ENGL 4623 Advanced Grammar and Usage

Concentration 33 hours

English majors must complete one of the following concentrations.

English

ENGL 2543 Survey of English Literature to 1800

or ENGL 2653 Survey of English Literature Since 1800

ENGL 2713 Survey of World Literature through the Renaissance

or ENGL 2723 Survey of World Literature Since the Renaissance

ENGL 2773 Survey of American Literature to 1865

or ENGL 2883 Survey of American Literature Since 1865

Electives (24 hours selected from English courses number 2000 or above, with a minimum of 15 hours at the 3000 level or above). Students contemplating graduate work in English should plan to take at least one course in each of the major periods of English and American literature or courses in composition/rhetoric.

English Education

- ENGL 2543 Survey of English Literature to 1800
 ENGL 2643 Survey of English Literature Since 1800
 ENGL 2713 Survey of World Literature through the Renaissance
 ENGL 2723 Survey of World Literature Since the Renaissance
 ENGL 2773 Survey of American Literature to 1865
 ENGL 2883 Survey of American Literature Since 1865
 LIB SC 4313 Young Adult Literature
 Electives (12 hours selected from English courses numbered
 3000 or above, not to include ENGL 4772)

- III. MINOR..... 18 hours
 Teacher Certification candidates are not required to complete a minor. Students desiring to enter the job market in such areas as technical writing, editing, public relations and the like are urged to consider a minor in Journalism or Professional Writing.
- IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION

Teacher Licensure/Certification

Cameron University offers a program leading to licensure/certification in English. Degree requirements are not necessarily identical with certification requirements. Consult the Teacher Certification Catalog and your departmental advisor for details about certification.

COURSES**ENGLISH (ENGL)****1003 BASIC ENGLISH, 3 hours credit**

Review of the fundamentals of English grammar, standard usage, spelling, punctuation, including a brief introduction to the basics of writing, with emphasis on individual instruction. Does not satisfy any general education requirement and may not be counted toward a major or minor in English. Recommended for students with English ACT scores below 14. Lecture 3 hours.

1113 ENGLISH COMPOSITION I, 3 hours credit

Systematic analysis of expository rhetoric and composition with regular practice to develop proficiency in critical thinking, reading, and writing. A student with a sufficiently high ACT score in English may take English 1113 by examination and receive full credit for the course. (See Advanced Standing Examination.) Lecture 3 hours.

1123 HONORS COMPOSITION I, 3 hours credit

Reading and discussion of essays which serve as models of style, point of view, and logic. Emphasis on composition and rhetoric to develop written proficiency. An interdisciplinary approach to course content is included. Lecture 3 hours. Prerequisite: Permission of instructor or English ACT score of 23 or higher.

1213 ENGLISH COMPOSITION II, 3 hours credit

Continued training in composition and introduction to literary appreciation through the study of literary forms. Lecture 3 hours. Prerequisite: ENGL 1113.

1223 HONORS COMPOSITION II, 3 hours credit

Reading and discussion of short stories, poetry, drama, and novels as an introduction to literary appreciation. Emphasis on written critical analysis of specific works. Lecture 3 hours. Prerequisite: ENGL 1123 or a grade of "A" in ENGL 1113 or permission of instructor.

2013 MODERN FICTION, 3 hours credit

Reading and discussion of twentieth-century short stories and novels. This course may not be counted toward a major in English. Lecture 3 hours. Prerequisite: ENGL 1213.

2543 SURVEY OF ENGLISH LITERATURE TO 1800, 3 hours credit

A survey of English literature from its beginning to the close of the eighteenth century. Lecture 3 hours. Prerequisite: ENGL 1213.

2653 SURVEY OF ENGLISH LITERATURE SINCE 1800, 3 hours credit

A survey of English literature from the beginning of the nineteenth century to the present. Lecture 3 hours. Prerequisite: ENGL 1213.

2713 SURVEY OF WORLD LITERATURE THROUGH THE RENAISSANCE, 3 hours credit

Readings in world literature from classical antiquity to 1700, with emphasis on major authors. Lecture 3 hours. Prerequisite: ENGL 1213.

2723 SURVEY OF WORLD LITERATURE SINCE THE RENAISSANCE, 3 hours credit

Reading of major works in world literature from the post-Renaissance period to the present. Lecture 3 hours. Prerequisite: ENGL 1213

2773 SURVEY OF AMERICAN LITERATURE TO 1865, 3 hours credit

A survey of American literature from its beginning to Whitman. Lecture 3 hours. Prerequisite: ENGL 1213.

2883 SURVEY OF AMERICAN LITERATURE SINCE 1865, 3 hours credit

A survey of American literature from Whitman to the present. Lecture 3 hours. Prerequisite: ENGL 1213.

2980-3 SELECTED TOPICS IN LANGUAGE ARTS, 0-3 hours credit

Directed individual or group study of selected topics or problems in Language Arts. Areas of study will vary from semester to semester. The course may be repeated for additional credit with departmental permission. Prerequisites: As listed for each separate offering, and/or departmental permission.

Completion of English Composition II and junior standing or permission of Department of English is required for enrollment in classes numbered 3000 or above.

3113 SHAKESPEARE, 3 hours credit

Interpretation and criticism of selected works of Shakespeare. Lecture 3 hours.

3123 ENGLISH LITERATURE OF THE SIXTEENTH CENTURY, 3 hours credit

Reading and discussion of sixteenth-century dramatic and non-dramatic works with a special emphasis on the major literary figures of the period. Lecture 3 hours.

3213 ENGLISH LITERATURE OF THE SEVENTEENTH CENTURY, 3 hours credit

Reading and discussion of seventeenth-century dramatic and non-dramatic works with special emphasis on major literary figures. Lecture 3 hours.

3303 ADVANCED COMPOSITION, 3 hours credit

Critical scrutiny of the structure and style of prose. Study of how rhetorical principles are used and can be taught. Lecture 3 hours. Frequent papers.

- 3313 BLACK LITERATURE IN AMERICA, 3 hours credit**
Introductory survey of writings of American Negro authors: essays, poetry, short stories, novels, and plays, from the founding of America to the present. Lecture 3 hours.
- 3323 AMERICAN INDIAN LITERATURE, 3 hours credit**
Examination of native American literature, with emphasis on writings by Indian authors. Some attention is given to traditional songs and legends as they relate to contemporary themes. Lecture 3 hours
- 3513 THE AMERICAN NOVEL, 3 hours credit**
A critical analysis of representative American novels written through World War II. Lecture 3 hours.
- 3523 THE CONTEMPORARY AMERICAN NOVEL, 3 hours credit**
A critical analysis of representative major American novels written since World War II. Lecture 3 hours.
- 3613 ROMANTIC AGE, 3 hours credit**
An intensive study of the five major poets of the Romantic Period: Wordsworth, Coleridge, Byron, Shelly, and Keats. Lecture 3 hours.
- 3713 VICTORIAN AGE, 3 hours credit**
The poetry and prose of leading authors of the Victorian period, including study of the problems of the Victorian era that bear upon major British writers. Lecture 3 hours.
- 3813 HISTORY OF THE ENGLISH LANGUAGE, 3 hours credit**
Historical development of English vocabulary, sounds, syntax, and inflections. Lecture 3 hours.
- 3881-3 WORKSHOP, 1-3 hours credit**
Designed to emphasize special topics in English and the Language Arts. May be repeated with departmental permission.
- 4053 SEMINAR IN LITERATURE, 3 hours credit**
Investigation of one or more authors or a topic of special interest such as a literary theme, movement or form. The topic varies from semester to semester. Students may repeat English 4053 once for credit but may not elect the same topic. Seminar 3 hours. Prerequisite: Departmental approval.
- 4113 THE ENGLISH NOVEL, 3 hours credit**
Critical analysis of representative novels from the eighteenth century to Thomas Hardy. Lecture 3 hours.
- 4123 THE MODERN ENGLISH NOVEL, 3 hours credit**
Critical interpretation of major English novels from Joseph Conrad to the present. Lecture 3 hours.
- 4213 CHAUCER, 3 hours credit**
Critical analysis of the poetry of Geoffrey Chaucer, in the original language, with emphasis on *The Canterbury Tales*. Lecture 3 hours.
- 4313 AMERICAN DRAMA, 3 hours credit**
An examination of representative American plays from naturalistic tragedy to farce, with emphasis on the period since 1918. Lecture 3 hours.
- 4323 THE AMERICAN RENAISSANCE, 3 hours credit**
Intensive study of the prose, fiction, and poetry of the major American writers of the mid-nineteenth century. Lecture 3 hours.
- 4413 MODERN AMERICAN AND BRITISH POETS, 3 hours credit**
Contemporary trends in British and American poetry; selected works from the major poets. Lecture 3 hours.

4513 ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY, 3 hours credit

An analysis of British prose and poetry of the eighteenth century with emphasis on the works of Pope, Swift, Johnson, and Blake as major figures of the century. Lecture 3 hours.

4613 ENGLISH LINGUISTICS, 3 hours credit

A linguistic approach to the phonology, morphology, and syntax of the English language, with some attention given to semantics. Lecture 3 hours.

4623 ADVANCED GRAMMAR AND USAGE, 3 hours credit

A review of formal English grammar; improvement and practice in functional grammar and usage. Lecture 3 hours.

4713 WOMEN IN LITERATURE, 3 hours credit

Historical and analytical exploration of the images of women in literature, with emphasis on women writers. Lecture 3 hours.

4772 TEACHING OF ENGLISH, 2 hours credit

An introduction to methods and materials in teaching high school English. Lecture 1 hour, laboratory 2 hours. Teacher Certification Students must be admitted to teacher education prior to enrollment in this course. Prerequisite: Departmental approval.

4961-3 DIRECTED READINGS IN ENGLISH, 1-3 hours credit

Intensive independent reading and research on a selected topic, writer, or movement in literature or language, under the supervision of a qualified member of the faculty. May be repeated to a total of 3 hours. Prerequisite: Consent of department chairman.



 DEPARTMENT OF
LANGUAGES AND COMMUNICATION

CHAIRMAN - George Stanley, Professor

Professor: Raburn

Assistant Professors: Beaney, Diaz, Evers

Instructor: Huntington

Director, Writing Tutorial Lab: Whiteley

The Department of Languages and Communication offers two degree programs: the Bachelor of Arts with a major in Communications (in cooperation with the Department of Communications) and the Bachelor of Arts with a major in Romance Languages; courses to satisfy the requirements for minors in French, German, journalism, library science, professional writing and Spanish; and instruction in Albanian, Catalan, Dutch, English as a second language, Italian, Portuguese, Romanian, and translation-interpretation.

BACHELOR OF ARTS DEGREE MAJOR IN COMMUNICATIONS

- I. GENERAL EDUCATION REQUIREMENT 50 hours
 II. MAJOR 36 hours

Required Core Courses 12 hours

COMM 1233 Fundamentals of Broadcasting

JOURN 2113 Introduction to Journalism

COMM 3393 Interpersonal Communication

COMM 3383 Corporate and Organization Communication
 or JOURN 4223 Principles of Public Relations

Majors must choose one or more of the following areas:
 Communication, Radio/Television, Journalism, Public Relations
 and Organizational Communication.

Speech Communication

COMM 1133 Voice and Diction

COMM 2313 Discussion Methods

COMM 3313 Advanced Business and Professional
 Speaking

Electives (15 hours) may be chosen from the following
 courses or from courses in the areas of Radio/Television;
 Journalism; and Public Relations and Organizational
 Communication

COMM 2143 Debate

COMM 2533 Oral Interpretation

COMM 3013 Parliamentary Procedure

COMM 3023 Pronunciation

COMM 3102 Listening

COMM 3113 Argumentation & Advocacy

COMM 3121-4 Forensic Lab

COMM 3442 Reader's Theatre

COMM 3643 Political Communication Analysis

COMM 3991-3 Workshop
COMM 4991-3 Directed Reading

Radio/Television

COMM 2223 Broadcast Announcing
COMM 2453 Basic Radio Production
COMM 2463 Basic Television Production

Electives (15 hours) may be chosen from the following courses or from courses in the areas of Speech Communication;

Journalism; and Public Relations & Organizational Communication

COMM 3003 Advanced Audio Production
COMM 3421-2 Broadcast Lab
COMM 3723 Directing and Advanced Television Production
COMM 3733 Broadcast Programming and Audience Measurement
COMM 4233 Broadcast Management
COMM 4733 Radio/Television Internship

Radio/Television students may select up to six hours of their electives from the following:

THTR 1413 Technical Production
THTR 2423 Stagecraft: Scenery
THTR 2433 Stagecraft: Lighting
THTR 3453 Audio

Journalism

JOURN 3013 News Writing
JOURN 4133 News Editing
JOURN 4813 Mass Media Law

Electives (15 hours) may be chosen from the following courses or from courses in the areas of Speech Communication;

Radio/Television; and Public Relations & Organizational Communication

JOURN 3043 Photography
JOURN 3122 Yearbook Production
JOURN 3131 Yearbook Production Lab
JOURN 3233 Newspaper Production Lab
JOURN 3343 Typography and Design
JOURN 4213 Photojournalism
JOURN 4803 Mass Media History
JOURN 4963 Journalism Internship

Public Relations and Organizational Communication

COMM 3383 Corporate and Organizational Communication or
JOURN 4223 Principles of Public Relations
COMM 3313 Advanced Business & Professional Speaking
COMM 3633 Persuasion

Electives (15 hours) may be chosen from any following courses or from courses in the areas of Speech Communication;

Radio/Television; and Journalism

COMM 3353 Conference Leadership

- COMM 3522 Interviewing
- COMM 4633 Communication Assessment and Consulting
- COMM 4723 Organizational Communication Internship
- JOURN 4823 Case Studies in Public Relations
- JOURN 4973 Public Relations Internship

Students in Public Relations and Organizational Communication may select up to six hours of electives from the following:
 MGMT 3013 Principles of Management
 MKTG 3413 Principles of Marketing
 MKTG 4433 Advertising

- III. MINOR..... 18 hours
- IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

BACHELOR OF ARTS DEGREE MAJOR IN ROMANCE LANGUAGES

- I. GENERAL EDUCATION REQUIREMENT 50 hours
- II. MAJOR 39 hours

Spanish..... 18 hours
 (Chosen from the following)
 SPAN 2113 Intermediate Spanish I
 SPAN 2223 Intermediate Spanish II
 SPAN 3113 Spanish Reading
 SPAN 3123 Spanish Composition
 SPAN 3133 Spanish Conversation
 SPAN 3203 Survey of Spanish Literature
 SPAN 4963 Directed Readings in Spanish

French 12 hours
 (Chosen from the following)
 FREN 2113 French Grammar
 FREN 2123 French Culture
 FREN 3113 French Composition
 FREN 3123 French Conversation
 FREN 4963 Directed Readings in French

Italian..... 6 hours
 ITAL 1113 Beginning Italian I
 ITAL 1223 Beginning Italian II

Linguistics 3 hours
 ENGL 4613 English Linguistics

- III. MINOR..... 18 hours
 Romance Languages majors are strongly urged to consider English, German, Political Science or Economics as minors.
- IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

COURSES

ALBANIAN (ALBAN)

4153 INTENSIVE STUDIES IN ALBANIAN, 3 hours credit

An intensive study of Albanian, with the goal of reaching near-native fluency in reading and writing the language. Some conversational practice. Prerequisites: Study of another foreign language or permission of the department.

CATALAN (CATAL)

4153 INTENSIVE STUDIES IN CATALAN, 3 hours credit

An intensive study of Catalan, with the goal of reaching near-native fluency in reading and writing the language. Some conversational practice. Prerequisite: Study of another Romance language or permission of the department.

DUTCH (DUTCH)

4153 INTENSIVE STUDIES IN DUTCH, 3 hours credit

An intensive study of Dutch, with the goal of reaching near-native fluency in reading and writing the language. Some conversational practice. Prerequisite: Study of another Germanic language or permission of the department.

ENGLISH AS A SECOND LANGUAGE (ESL)

1003 BASIC ENGLISH, 3 hours credit

Review of the fundamentals of English grammar, standard usage, spelling, and punctuation, including a brief introduction to the basics of writing, with emphasis on individual instruction. Does not satisfy any general education requirement and may not be counted toward a major or minor in English. For students for whom English is a second language. Lecture 3 hours.

1013 CONVERSATIONAL ENGLISH, 3 hours credit

Practical instruction in the correct grammatical structures in standard English conversation. Training in verb usage, idiomatic expressions, and situational English. For students for whom English is a second language.

1113 COMPOSITION I, 3 hours credit

Systematic analysis of expository rhetoric and composition with regular practice to develop proficiency in critical thinking, reading, and writing. For students for whom English is a second language. Lecture 3 hours.

1213 COMPOSITION II, 3 hours credit

Continued training in composition and introduction to literary appreciation through the study of literary forms. For students for whom English is a second language. Lecture 3 hours.

FRENCH (FREN)

1113 BEGINNING FRENCH, 3 hours credit

An elementary course in understanding, speaking, reading, and writing French. Lecture 3 hours.

1223 BEGINNING FRENCH, 3 hours credit

Continuation of French 1113. Lecture 3 hours. Prerequisite: FREN 1113 or equivalent.

2113 FRENCH GRAMMAR, 3 hours credit

A systematic review of French grammar and the cultivation of facility in reading French newspapers, magazines, and books, with additional emphasis on improving the student's control of spoken French. Prerequisite: FREN 1223 or equivalent.

2123 FRENCH CULTURE, 3 hours credit

A systematic review of French culture, with additional emphasis on improving the student's control of French. Conducted in French. Prerequisite: FREN 1223 or equivalent.

3113 FRENCH COMPOSITION, 3 hours credit

A systematic review of French grammar, with a view toward improving the student's control of written French. Conducted in French. Prerequisites: FREN 2113 and 2123.

3123 FRENCH CONVERSATION, 3 hours credit

Total emphasis on improving the student's control of spoken French, with a special emphasis on idiomatic French. Conducted in French. Prerequisites: FREN 2113 and 2123.

4961-3 DIRECTED READINGS IN FRENCH, 1-3 hours credit

Provides an opportunity for gifted and qualified students to work at a special project not offered in a regular course. May be repeated to a total of 3 hours.

GERMAN (GERM)

1113 BEGINNING GERMAN I, 3 hours credit

An elementary course in understanding, speaking, reading, and writing German. Lecture 3 hours.

1223 BEGINNING GERMAN II, 3 hours credit

Continuation of German 1113. Lecture 3 hours. Prerequisite: GERM 1113 or equivalent.

2113 GERMAN GRAMMAR, 3 hours credit

A systematic review of German grammar and the cultivation of facility in reading German newspapers, magazines, and books, with additional emphasis on improving the student's control of spoken German. Prerequisite: GERM 1223 or equivalent.

2123 GERMAN CULTURE, 3 hours credit

A systematic review of German culture, with additional emphasis on improving the student's control of spoken German. Conducted in German. Prerequisite: GERM 1223 or equivalent.

3113 GERMAN COMPOSITION, 3 hours credit

A systematic review of German grammar, with a view toward improving the student's control of written German. Conducted in German. Prerequisite: GERM 2123 or equivalent.

3123 GERMAN CONVERSATION, 3 hours credit

Total emphasis on improving the student's control of spoken German, with a special emphasis on idiomatic German. Conducted in German. Prerequisite: GERM 3113 or equivalent.

4961-3 DIRECTED READINGS IN GERMAN, 1-3 hours credit

Provides an opportunity for gifted and qualified students to work at a special project not offered in a regular course. May be repeated to a total of 3 hours.

ITALIAN (ITAL)**1113 BEGINNING ITALIAN I, 3 hours credit**

An introductory course in understanding, speaking, reading, and writing Italian. Lecture 3 hours.

1223 BEGINNING ITALIAN II, 3 hours credit

Continuation of Italian 1113. Lecture 3 hours. Prerequisite: ITAL 1113 or equivalent.

4961-3 DIRECTED READINGS IN ITALIAN, 1-3 hours credit

Provides an opportunity for gifted and qualified students to work at a special project not offered in a regular course. May be repeated to a total of 3 hours. Prerequisite: ITAL 1223 or equivalent.

JOURNALISM (JOURN)**2113 INTRODUCTION TO JOURNALISM, 3 hours credit**

A look at the various components of the mass communications industry, with special emphasis on the press's role in modern American society. Topic areas include books, newspapers, magazines and the broadcast media. Lecture 3 hours. Prerequisites: Completion of English Comp, I & II with grades of C or higher or permission of instructor.

3013 NEWS WRITING, 3 hours credit

A study of the techniques of obtaining news, including interviews. Concentrated efforts in actual writing of news stories with emphasis on interpretive and in-depth reporting. Lecture 2 hours, laboratory 2 hours. Prerequisite: JOURN 2113.

3043 PHOTOGRAPHY, 3 hours credit

A study of the principles of photography including shooting, developing, printing and composition with an emphasis on news techniques. Lecture 2 hours, laboratory 2 hours.

3122 YEARBOOK PRODUCTION, 2 hours credit

Examination of yearbook production techniques. Concentrated study in layout and design, headlines, copy preparation, cutlines and typography. Practical application of techniques will be gained through work on student yearbook. Student must be enrolled concurrently in JOURN 3131 Yearbook Lab. Lecture 2 hours.

3131 YEARBOOK LAB 1 hour credit

Students who have taken JOURN 3122, Yearbook Production, may repeat the lab a maximum of two semesters for a total of three hours credit. Laboratory 2 hours.

3233 NEWSPAPER PRODUCTION LAB 3 hours credit

A laboratory for students to produce the campus newspaper. Laboratory 6 hours. Prerequisites: JOURN 3013.

3343 TYPOGRAPHY AND DESIGN 3 hours credit

Emphasizes techniques, processes and procedures for putting words and illustrations into print media, with emphasis on elements of effective design. Practical application of techniques will be gained through production work on the

university's literary magazines, including *Cameron Forum*. Lecture 2 hours/laboratory 2 hours. Prerequisites: JOURN 2113.

4133 NEWS EDITING, 3 hours credit

Study of editing and makeup techniques required in newspaper and magazine fields. Lecture 3 hours. Prerequisite: JOURN 2113.

4213 PHOTOJOURNALISM, 3 hours credit

Advanced photography for newspapers and magazines. Lecture 3 hours. Prerequisite: 12 hours of Journalism or permission of the instructor.

4223 PRINCIPLES OF PUBLIC RELATIONS, 3 hours credit

Study of the current concepts of public relations as a management function in business, industry, government, and education. Practice work in producing public relations tools. Prerequisite: Junior standing.

4803 MASS MEDIA HISTORY, 3 hours credit

European background and development of the colonial press. Emergence of the partisan and penny newspapers. Evolution of personal and independent journalism. Lecture 3 hours. Prerequisite: 12 hours of journalism or permission of the instructor.

4813 MASS MEDIA LAW, 3 hours credit

The principles by which mass media exercise their public functions and fulfill legal obligations to society. Right to know, truth and fairness, responsibility, libel, privilege, fair comment, privacy, contempt, copyright, and regulation of advertising. Lecture 3 hours. Prerequisite: 12 hours of Journalism or permission of the instructor.

4823 CASE STUDIES IN PUBLIC RELATIONS, 3 hours credit

Detailed analysis of current case studies in the planning and execution of public relations activities. Emphasis given to fact-finding, researching audiences, setting objectives, charting programs, execution, and evaluation. Lecture 3 hours. Prerequisite: JOURN 4223.

4963 JOURNALISM INTERNSHIP, 3 hours credit

Field experience in journalism under close supervision of employer and professor. Lecture 3 hours. Prerequisite: 12 hours of Journalism or permission of the instructor.

4973 PUBLIC RELATIONS INTERNSHIP, 3 hours credit

Field experience in public relations in organizations, business, and industry. Lecture 3 hours. Prerequisite: 12 hours of Journalism or permission of the instructor.

LIBRARY SCIENCE (LIB SC)

3113 MATERIALS SELECTION, 3 hours credit

Methods of selecting and acquiring books, pamphlets, and audiovisual materials for the library through publishers and other sources; use of tools and aids. Lecture 3 hours.

3123 SCHOOL LIBRARIES 3 hours credit

Organization, administration, and planning of elementary and secondary school library media programs. Lecture 3 hours.

3223 REFERENCE MATERIALS, 3 hours credit

Selection, evaluation, and use of basic reference materials; interpretation of reference questions; library reference work. Lecture 3 hours.

4013 ORGANIZATION OF LIBRARY MATERIALS, 3 hours credit

Introduction to descriptive and subject cataloging, filing rules, Dewey and Library of Congress classification schemes, automated cataloging procedures, and production of card sets. Emphasis on interpreting catalog entries to be found in general libraries. Lecture 3 hours.

4041-4 SEMINAR IN LIBRARY SCIENCE, 1-4 hours credit

Special topics in library science. Lecture 1 to 4 hours. Prerequisite: Minimum of 3 hours in library science or permission of the instructor.

4123 CHILDREN'S LITERATURE, 3 hours credit

General survey of the literature available for children. Criteria for evaluation of materials in terms of needs, interests, and abilities of children. Methods of selecting books and introducing them to children. Lecture 3 hours.

4313 YOUNG ADULT LITERATURE, 3 hours credit

Survey of adolescent reading patterns, methods of selection and presentation of literature in all media, reading guidance and stimulation of young people.

LINGUISTICS (LING)**4163 TEACHING ENGLISH AS A SECOND LANGUAGE: THEORY AND METHODS, 3 hours credit**

Introduction to theories of language acquisition and methods of instruction; practicum in applications of theories and methods. Prerequisites: 6 hours ENGL COMP, 3 hours foreign language or permission of instructor.

PORTUGUESE (PORT)**1113 BEGINNING PORTUGUESE I, 3 hours credit**

An elementary course in understanding, speaking, reading, and writing Portuguese. Lecture 3 hours.

1223 BEGINNING PORTUGUESE II, 3 hours credit

Continuation of Portuguese 1113. Lecture 3 hours. Prerequisite: Portuguese 1113 or equivalent.

PROFESSIONAL WRITING (PROFWR)**3103 CREATIVE WRITING — FICTION, 3 hours credit**

Techniques of writing and selling category short stories, with emphasis on mystery, suspense, western, gothic, confession, romance, science fiction, and fantasy. Prerequisites: Completion of English Composition II and junior standing or permission of department.

3203 CREATIVE WRITING — POETRY, 3 hours credit

Practice in traditional patterns as well as original forms of poetry; assigned category-writing, studying and sharing methods of composing. Prerequisites: Completion of English Composition II and junior standing or permission of department.

3991-3 WRITING WORKSHOP, 1-3 hours credit

Intensive concentration on a special aspect of writing. Focus may vary from semester to semester depending on instructor and students enrolled. May be repeated with different topics to a maximum of 6 hours. Prerequisites: Completion of English Composition II and junior standing or permission of department.

4961-3 DIRECTED WRITING, 1-3 hours credit

An individualized program of intensive independent writing under the supervision of a qualified member of the faculty. May be repeated to a total of 6 hours. Prerequisites: Completion of English Composition II and junior standing or permission of department.

ROMANIAN (ROMAN)**4153 INTENSIVE STUDIES IN ROMANIAN, 3 hours credit**

An intensive study of Romanian, with the goal of reaching near-native fluency in reading and writing the language. Some conversational practice. Prerequisite: Study of another Romance language or permission of the department.

4961-3 DIRECTED READINGS IN ROMANIAN, 3 hours credit

Provides an opportunity for gifted and qualified students to work at a special project not offered in a regular course. May be repeated to a total of 3 hours. Prerequisite: ROMAN 4153.

SPANISH (SPAN)**1113 BEGINNING SPANISH I, 3 hours credit**

An elementary course in understanding, speaking, reading and writing Spanish. Lecture 3 hours.

1223 BEGINNING SPANISH II, 3 hours credit

Continuation of Spanish 1113. Lecture 3 hours. Prerequisite: SPAN 1113 or equivalent.

2113 INTERMEDIATE SPANISH I, 3 hours credit

An intermediate-level course in the Spanish language. A review of grammar, writing, and speaking. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 1223 or two years of high school Spanish or the equivalent.

2223 INTERMEDIATE SPANISH II, 3 hours credit

Continuation of Spanish 2113. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 2113.

3113 SPANISH READING, 3 hours credit

Cultivation of facility in reading a range of literary texts. Discussions and short compositions based on text. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 2223.

3123 SPANISH COMPOSITION, 3 hours credit

Cultivation of facility in writing Spanish. Planned and impromptu compositions. Lecture 3 hours. Prerequisite: SPAN 2223.

3133 SPANISH CONVERSATION, 3 hours credit

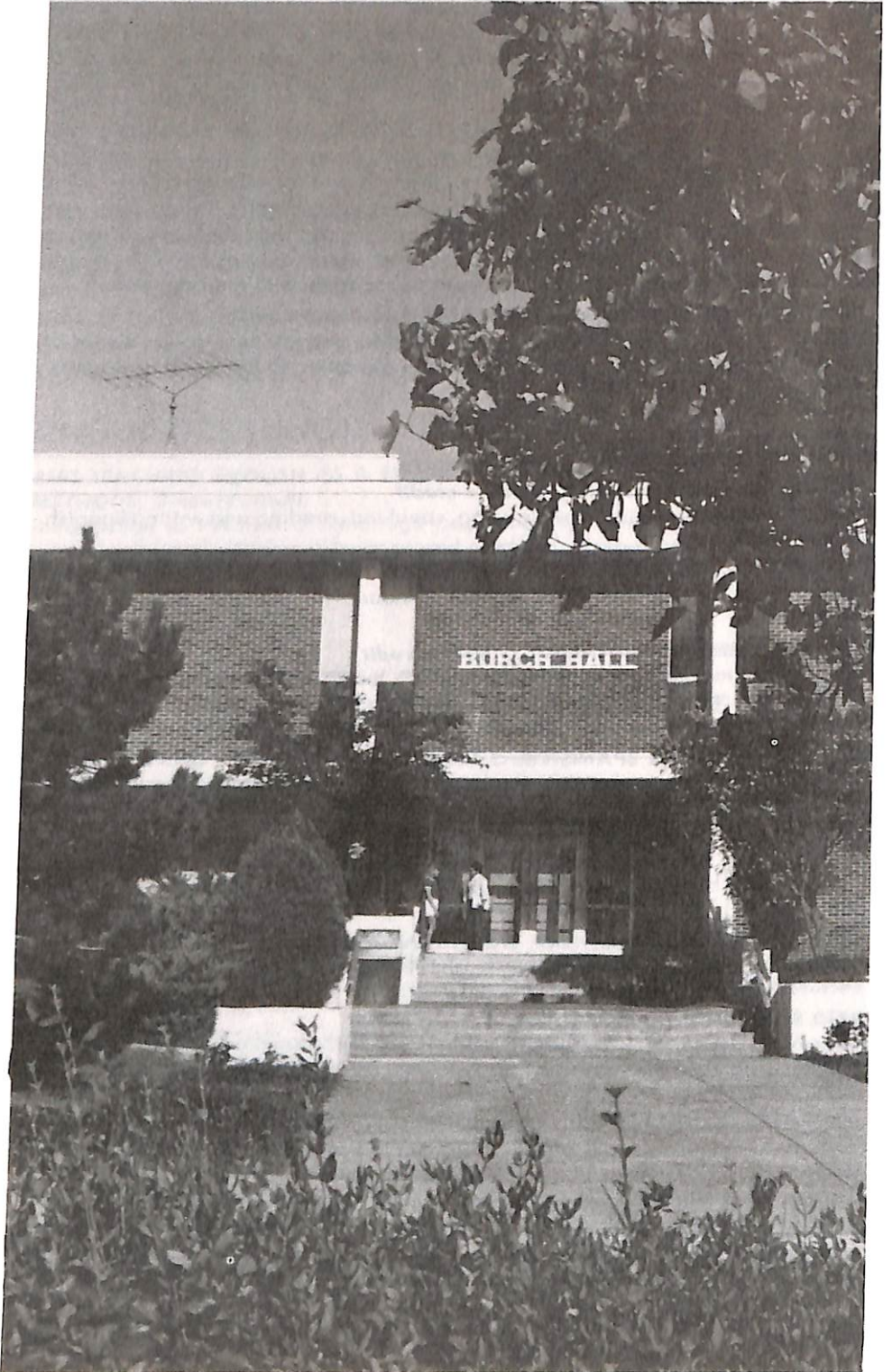
Improving accent and rapidity of speech through speeches, presentations, impromptu dialogues. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 2223.

3203 SURVEY OF SPANISH LITERATURE, 3 hours credit

A study of representative works of Spanish literature from the beginning to the present day. Conducted in Spanish. Prerequisite: SPAN 3113.

4961-3 DIRECTED READING IN SPANISH, 1-3 hours credit

This course provides an opportunity for gifted and qualified students to work at a special project not offered in a regular course. May be repeated to a total of 3 hours. Prerequisite: SPAN 3203 or equivalent.



DIVISION OF
MATHEMATICAL
AND APPLIED
SCIENCES

Head, Terral McKellips
Professor of Mathematical Sciences

DEPARTMENT OF
MATHEMATICAL
SCIENCES

DEPARTMENT OF MILITARY
SCIENCE

DEPARTMENT OF
TECHNOLOGY

M DEPARTMENT OF MATHEMATICAL SCIENCES

CHAIRMAN - Dick George, Associate Professor

Professors: Farmer, Hajek, Huckabay, T. McKellips, Morris

Associate Professors: Daneshi, Meraz, J. Phillips, Wagner

Assistant Professors: J. Cosgrove, Tabatabai

Instructors: McBeth, Moinian, Young

The Department of Mathematical Sciences offers programs leading to a Bachelor of Arts degree with a major in Mathematics and a Bachelor of Science degree with a major in Computer Science. Minors are offered in mathematics, computer science and statistics.

BACHELOR OF ARTS DEGREE MAJOR IN MATHEMATICS

- I. GENERAL EDUCATION REQUIREMENT 50 hours
 II. MAJOR Minimum of 35 hours

Required Courses 23-29 hours

*MATH 1715 Algebra and Trigonometry
 or MATH 1513 College Algebra

and MATH 1613 Trigonometry

MATH 2215 Calculus and Analytic Geometry I

MATH 2235 Calculus and Analytic Geometry II

MATH 2244 Calculus and Analytic Geometry III

MATH 2613 Foundations of Mathematics

MATH 3213 Abstract Algebra

MATH 4483 Introduction to Real Analysis

*Not required if equivalent courses were taken in high school.

Electives 12 hours

Electives must be chosen from the following mathematics, statistics and computer science courses.

Mathematics

MATH 3013 Linear Algebra

MATH 3253 Differential Equations

MATH 3302 History of Mathematics

MATH 3333 College Geometry

MATH 4113 Introduction to Operations Research

MATH 4423 Number Theory

MATH 4471-3 Seminar in Mathematics

MATH 4491-3 Independent Study in Mathematics

Statistics

STAT 3013 Introductory Probability and Statistics I

STAT 3023 Introductory Probability and Statistics II

STAT 3113 Mathematical Statistics I

STAT 3123 Mathematical Statistics II

STAT 3202 Statistical Applications of the Computer

Computer Science

C S 3343 Numerical Analysis I

C S 3443 Numerical Analysis II

III. ADDITIONAL REQUIREMENTS..... 3-6 hours

A student majoring in mathematics must complete one of the following:

GENT 2113 FORTRAN Programming

C S 2003 Introduction to Programming

C S 1003 and C S 2013 Computer Science I and II

IV. MINOR..... 18 hours

IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

Teacher Licensure/Certification

Cameron University offers a program leading to licensure/certification in Mathematics. Degree requirements are not necessarily identical with certification requirements. Consult the Teacher Certification Catalog and your departmental advisor for details about certification.

**BACHELOR OF SCIENCE DEGREE
MAJOR IN COMPUTER SCIENCE**

I. GENERAL REQUIREMENT..... 50 hours

II. MAJOR Minimum of 37 hours

Required Courses 31 hours

C S 1003 Computer Science I

C S 2013 Computer Science II

GENT 2113 FORTRAN Programming

C S 3003 Computer Organization and Programming

C S 3013 Discrete Mathematical Structures

PHYS 3073 Microprocessors I

C S 3313 Compiler Construction

C S 3513 Computer Architecture and Operating Systems

C S 4013 Data Structures

C S 4111 Senior Seminar in Computer Science

C S 4423 Introduction to File Processing

Electives 6 hours

C S 2023 Intermediate Programming

C S 3343 Numerical Analysis I

C S 3443 Numerical Analysis II

C S 3573 Computer Graphics

III. ADDITIONAL REQUIREMENTS..... 16 hours

All computer science majors must complete the four courses listed below. Some students may also need to take some or all of the courses MATH 1213 Intermediate Algebra, MATH 1513 College Algebra, MATH 1613 Plane Trigonometry and MATH 1715 College Algebra and Trigonometry as prerequisites. MATH 2215 Calculus and Analytic Geometry I MATH 2235 Calculus and Analytic Geometry II

MATH 3013 Introductory Linear Algebra
 STAT 3013 Introductory Probability and Statistics I

- IV. MINOR..... 18 hours
 (A minor in mathematics may include the courses listed
 under additional requirements above.)
- V. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR
 GRADUATION.

COURSES

COMPUTER SCIENCE (CS)

1003 COMPUTER SCIENCE I, 3 hours credit

An introduction to the study of computers, their history, characteristics, and organization. A brief survey of computer languages and the use of flowcharts, algorithms, and data structures in the formulation of well-structured programs. Lecture 3 hours. Prerequisite: MATH 1213 or equivalent or departmental permission.

2003 INTRODUCTION TO PROGRAMMING, 3 hours credit

An introduction to programming concepts using a structured programming language (PASCAL). In addition to a thorough study of the language PASCAL, the course includes a general study of programming and the problem solving process. Lecture 3 hours. Prerequisite: GENT 2113 or departmental permission.

2013 COMPUTER SCIENCE II, 3 hours credit

A brief introduction to non-numerical topics and programming philosophy in general. Primarily a study of functions and procedures, algorithm design and efficiency, sorting and searching data structures, and applications. Lecture 3 hours. Prerequisite: CS 1003.

2023 INTERMEDIATE PROGRAMMING, 3 hours credit

The programming language used for this course will vary among several high level languages. Topics included are the basic language features, data description, modularity features, and multitasking. Lecture 3 hours. Prerequisite: CS 2013.

3003 COMPUTER ORGANIZATION AND PROGRAMMING, 3 hours credit

An introduction to an assembly language. Topics included are number and character representation, computer arithmetic, machine level instructions, sub-routine calls, and basic file structures. Lecture 3 hours. Prerequisite: CS 2013.

3013 DISCRETE MATHEMATICAL STRUCTURES, 3 hours credit

Fundamental mathematical concepts and algebraic structures. Introduction to the theory of graphs and trees. Emphasis on examples and applications rather than mathematical rigor. Lecture 3 hours. Prerequisites: CS 2013 and MATH 1513.

3313 COMPILER CONSTRUCTION, 3 hours credit

Formal language theory, lexical analysis, parsing, symbol tables, semantic analysis, and code generation. Lecture 3 hours. Prerequisites: CS 2013 and CS 3003.

3343 NUMERICAL ANALYSIS I, 3 hours credit

An introductory course in numerical analysis. Topics include: Accuracy in numerical calculations; evaluation of functions; numerical integration; solution of nonlinear equations; solution of systems of nonlinear equations and interpo-

lation. Lecture 3 hours. Prerequisites: MATH 2235 and GENT 2113 or departmental permission.

3443 NUMERICAL ANALYSIS II, 3 hours credit

A continuation of Computer Science 3343. Topics include: Additional topics in numerical integration; ordinary differential equations; interpolation and curve fitting. Optional topics may include partial differential equations. Lecture 3 hours. Prerequisite: CS 3343.

3513 COMPUTER ARCHITECTURE AND OPERATING SYSTEMS, 3 hours credit

Overview of hardware and software, process management, storage management, processor management, and auxiliary storage management. Lecture 3 hours. Prerequisite: CS 3003.

3573 COMPUTER GRAPHICS, 3 hours credit

Computer representation, generation and display of images. Topics included are display of 2D and 3D images; color display; algorithms, and transformations for clipping, windowing, and perspective; survey of graphics display devices; and use of graphics packages. Lecture 3 hours. Prerequisite: CS 3343.

4013 DATA STRUCTURES, 3 hours credit

This course is concerned with algorithms for inputting, altering, accessing, and destroying data. Topics included are arrays, stacks and queues, link-lists, and graphs. Lecture 3 hours. Prerequisite: CS 3003.

4111 SENIOR SEMINAR, 1 hour credit

Advanced programming techniques are presented. Students participate as members of a team engaged in the solution of a large programming problem. Lecture 1 hour. Prerequisite: CS 3313.

4423 INTRODUCTION TO FILE PROCESSING, 3 hours credit

An introductory course in file processing. Topics include: storage device characteristics and file organization; basic processing techniques for sequential access, direct access, keyed access, tree structured and inverted files. Lecture 3 hours. Prerequisite: CS 3003.

4491-3 SPECIAL PROBLEMS IN COMPUTER SCIENCE, 1-3 hours credit

Individual and group projects in computer science based on proposals by students which are approved and supervised by faculty members. Prerequisite: Approval by department chairman and faculty member supervising the project.

MATHEMATICS (MATH)

"Students who have credit in mathematics courses numbered 1715 or above may not enroll in courses below 1715 without departmental approval."

1004 BEGINNING ALGEBRA, 4 hours credit

The equivalent of a year of high school algebra. Offered only in night classes. Does not satisfy general education requirement. Does not apply towards a major or minor in mathematics. Lecture 4 hours.

1013 BASIC COLLEGE MATHEMATICS, 3 hours credit

Mathematics for general education. A survey course designed to acquaint students with the breadth and scope of mathematics. Specific topics are selected by the instructor from mathematics, statistics, and computer science. Does not apply toward a major or minor in mathematics. Lecture 3 hours.

1115 BEGINNING AND INTERMEDIATE ALGEBRA, 5 hours credit

An integration of beginning and intermediate algebra. Especially designed for students having a high school deficiency in algebra. This course is equivalent to the two courses MATH 1004 and 1213. Does not apply towards a major or minor in mathematics. Lecture 5 hours.

1213 INTERMEDIATE ALGEBRA, 3 hours credit

Introductory algebra of the real number system. Does not apply towards a major or minor in mathematics. Lecture 3 hours. Prerequisite: MATH 1004 or one year of high school algebra.

1513 COLLEGE ALGEBRA, 3 hours credit

Topics included are theory of exponents, equations, variables, and functions; logarithms, mathematical induction, binomial theorem, progressions, complex numbers and partial fractions. Does not apply towards a major in mathematics. Lecture 3 hours. Prerequisite: MATH 1213 or 1115 or equivalent.

1613 PLANE TRIGONOMETRY, 3 hours credit

The development and use of circular and trigonometric functions; relations between the functions, logarithms, solutions of triangles; applications to practical problems throughout the course. Does not apply towards a major in mathematics. Lecture 3 hours. Prerequisite: MATH 1513 or equivalent or concurrent enrollment in MATH 1513.

1715 COLLEGE ALGEBRA AND TRIGONOMETRY, 5 hours credit

An integrated course in College Algebra and Trigonometry. This course is equivalent to the two courses MATH 1513 and MATH 1613. Does not apply towards a major in mathematics. Lecture 5 hours. Prerequisite: MATH 1115 or 1213 or equivalent.

1913 ANALYSIS FOR BUSINESS, 3 hours credit

An intuitive approach to the following topics from college algebra and calculus: functions, solutions of equations and systems of equations, progressions, and introduction to differentiation and integration with business oriented applications. Does not apply towards a major in mathematics. Prerequisite: MATH 1115 or 1213 or equivalent.

2215 CALCULUS AND ANALYTIC GEOMETRY I, 5 hours credit

Analytic geometry of the straight line and the conic sections, derivatives with applications, the definite integral with applications. Lecture 5 hours. Prerequisites: MATH 1513 and 1613 or MATH 1715 or equivalent.

2235 CALCULUS AND ANALYTIC GEOMETRY II, 5 hours credit

Differentiation and integration of transcendental functions; techniques of integration, applications of integration, polar coordinates, sequences and series. Lecture 5 hours. Prerequisite: MATH 2215.

2244 CALCULUS AND ANALYTIC GEOMETRY III, 4 hours credit

Solid analytic geometry, partial differentiation, multiple integrals, functions of several variables, vector calculus. Lecture 4 hours. Prerequisite: MATH 2235.

2491-3 SELECTED TOPICS IN MATHEMATICS, 1-3 hours credit

A course designed to give non-mathematics majors the opportunity to study topics which are either not covered in the regular mathematics course offerings or not covered in sufficient depth for their needs. Topics considered appropriate for this course are those which require little or no calculus. Prerequisite: Permission of the department.

2613 FOUNDATIONS OF MATHEMATICS 3 hours credit

This course is designed to facilitate the transition from calculus to advanced mathematics. Topics include logic, sets, relations, functions, properties of real numbers, infinity, combinatorics and probability. Lecture 3 hours. Prerequisite: MATH 2215.

3013 INTRODUCTORY LINEAR ALGEBRA, 3 hours credit

An introduction to the basic topics of linear algebra to include linear systems, matrices, vectors, and vector spaces, eigenvalues, and linear transformations. Lecture 3 hours. Prerequisite: MATH 2215.

3213 ABSTRACT ALGEBRA, 3 hours credit

The course emphasizes algebraic structures with particular emphasis on groups, rings, and fields. The fundamental theorems of group and ring theory are introduced and the beginning notions of field theory are presented. Prerequisite: MATH 2613.

3253 DIFFERENTIAL EQUATIONS, 3 hours credit

Ordinary differential equations with a brief introduction to solutions by series and Laplace transforms. Lecture 3 hours. Prerequisite: MATH 2033 or 2235.

3302 HISTORY OF MATHEMATICS, 2 hours credit

The historical development of mathematics. Lecture 2 hours. Prerequisite: Departmental permission.

3333 COLLEGE GEOMETRY, 3 hours credit

A comprehensive course which includes topics from both Euclidean and non-Euclidean geometries. Lecture 3 hours. Prerequisite: MATH 2215.

3353 MATHEMATICS FOR ELEMENTARY TEACHERS I, 3 hours credit

A basic course in (contemporary or modern) mathematics for elementary education majors. An introduction to the origin and history of number systems, number systems of different bases, and basic set concepts. Does not apply toward a major or minor in mathematics. Lecture 3 hours. Prerequisite: Completion of general education requirement.

3363 MATHEMATICS FOR ELEMENTARY TEACHERS II, 3 hours credit

Structure of the real number system, functions, and elementary geometric concepts with emphasis on informal geometry. Does not apply toward a major or minor in mathematics. Lecture 3 hours. Prerequisite: MATH 3353.

3373 ALGEBRA FOR ELEMENTARY TEACHERS, 3 hours credit

A course in algebra specifically designed for the elementary teacher which includes those topics of algebra that permeate the modern elementary program and many of those which elementary students will encounter in the secondary school. Does not apply towards a major or minor in mathematics. Lecture 3 hours. Prerequisite: MATH 3363 or departmental permission.

3383 GEOMETRY FOR ELEMENTARY TEACHERS, 3 hours credit

A course in geometry specifically designed for the elementary teacher. The geometrical concepts which are introduced in modern elementary mathematics programs are covered in detail in this course. Does not apply towards a major or minor in mathematics. Lecture 3 hours. Prerequisite: MATH 3363 or departmental permission.

4113 INTRODUCTION TO OPERATIONS RESEARCH, 3 hours credit

An introductory treatment of some of the problems and techniques encountered in operations research. Topics include: linear programming, network analysis, game theory, Markov chains, analytical hierarchies. Lecture 3 hours. Prerequisite: MATH 2215 or 1913 or departmental permission.

4423 NUMBER THEORY, 3 hours credit

Divisibility of integers, congruences, quadratic residues, mathematical induction, distribution of primes, diophantine equations, numerical functions and continued fractions. Lecture 3 hours. Prerequisite: MATH 2613 or departmental permission.

4433 MATRIX ALGEBRA, 3 hours credit

Elementary operations with matrix algebra, determinants, inverse of a matrix, rank and equivalence, linear dependence, vector spaces and linear transformations, characteristic equations of a matrix; bilinear, quadratic and Hermitian forms. Lecture 3 hours. Prerequisite: MATH 2613 or departmental permission.

4471-3 SEMINAR IN MATHEMATICS, 1-3 hours credit

Group projects designed to meet special needs. Prerequisite: Departmental approval. Will count on major or minor only with departmental permission.

4772 TEACHING OF SECONDARY MATHEMATICS, 2 hours credit

The general aspects of the teaching of mathematics; detailed study of the teaching of the various high school mathematics courses. Does not apply towards a major or minor in mathematics. Lecture 2 hours. Teacher Certification Students must be admitted to teacher education prior to enrollment in this course. Prerequisite: Senior standing.

4483 INTRODUCTION TO REAL ANALYSIS, 3 hours credit

A study of the basic concepts of analysis, elementary set theory, the real numbers, sequences, real functions, derivatives, and integrals. Lecture 3 hours. Prerequisite: MATH 2244 and 2613.

4491-3 INDEPENDENT STUDY IN MATHEMATICS, 1-3 hours credit

Assigned research, readings, and reports based on the needs of the individual student. May be taken only by juniors and seniors. Prerequisite: Departmental permission.

STATISTICS (STAT)**3003 INTRODUCTION TO STATISTICS, 3 hours credit**

Designed to introduce the non-mathematics student to the techniques of experimental statistics including estimation and hypothesis testing. Does not apply toward a major or minor in mathematics. Lecture 3 hours. Prerequisite: MATH 1213 or 1115 or equivalent.

3013 INTRODUCTORY PROBABILITY AND STATISTICS I, 3 hours credit

Descriptive statistics including graphical representation of data, elementary probability and combinatorial methods, binomial and normal distributions, statistical inference including point estimates of mean, variance and proportion, confidence intervals, test of hypotheses. Lecture 3 hours. Prerequisite: MATH 1513 or equivalent.

3023 INTRODUCTORY PROBABILITY AND STATISTICS II, 3 hours credit

A continuation of Statistics 3013. Emphasis on various experimental designs—chi square tests, analysis of variance, regression and correlation, sampling, and introduction to nonparametric statistics. Lecture 3 hours. Prerequisite: STAT 3013 or departmental permission. The department recommends concurrent enrollment in STAT 3202.

3113 MATHEMATICAL STATISTICS I, 3 hours credit

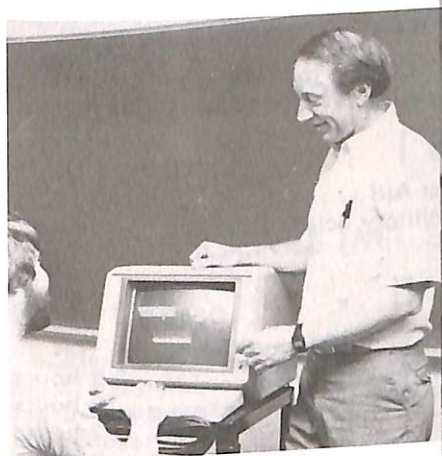
Introduction to combinatorial methods, probability random variables and expected value, discrete distributions, continuous probability functions, and moment generating functions. Lecture 3 hours. Prerequisite: MATH 2235.

3123 MATHEMATICAL STATISTICS II, 3 hours credit

A continuation of Statistics 3113. Sampling, interval estimation, tests of hypotheses, and regression and correlation. Lecture 3 hours. Prerequisite: STAT 3113.

3202 STATISTICAL APPLICATIONS OF THE COMPUTER, 2 hours credit

Techniques for using the computer as a tool in the analysis of statistical problems. Emphasis on data handling in statistical applications. No prior programming knowledge necessary for enrolling in this course. Lecture 1 hour, laboratory 2 hours. Prerequisite: STAT 3023 or concurrent enrollment or departmental permission.



M DEPARTMENT OF MILITARY SCIENCE

CHAIRMAN - Gary Coggins, LTC, Professor

Assistant Professors: MAJ Arnold, CPT McGruder, CPT Lozano

Chief Instructor: SGM Henson

Principal Drill Instructor: MSG Culberson

Reserve Officers Training Corps (ROTC) is a four year program designed to complement the student's chosen major and minor field of study by providing him/her with the leadership skills desired in a commissioned officer. Cadets enrolled in the advanced course receive a subsistence allowance for each month during the academic school year. Additionally, students receive one-half of a Second Lieutenant's pay while attending the six-week ROTC Summer Camp during the summer between their junior and senior year. Upon successful completion of the advanced course each cadet will be commissioned as a Second Lieutenant in the United States Army and may apply for Reserve component Duty or Active Duty.

BASIC COURSE

MS I

MIL SC 1062 Survival and First Aid	2 hours
MIL SC 1072 Introduction to Military Science	2 hours

MS II

MIL SC 2002-8 Basic Summer Camp (Summer Semester Only)	2-8 hours
MIL SC 2012 Tactics and Leadership	2 hours
MIL SC 2022-6 Accelerated Basic Military Science	2 hours
MIL SC 2032 Independent Study in Military Science	2 hours
MIL SC 2042 Basic Military Leadership	2 hours

(A Leadership Laboratory is required for MS II courses)

Placement credit for the basic course can be given to students that have participated in JROTC for three or four years or for students with one or more years of active military service or to those students that have successfully completed Basic Training with a Reserve component. Placement credit for the Basic Course is also given to those students that have successfully completed a six-week ROTC Basic Summer Camp prior to their enrollment in the Advanced Course.

ADVANCED COURSE

MS III

MIL SC 3013 Map Reading and Communications	3 hours
MIL SC 3023 Tactics and Operations	3 hours

(A Leadership Laboratory is required for MS III courses.)

MS IV

MIL SC 4004 Advanced Camp (Summer Semester Only)	4 hours
MIL SC 4013 Military Management.....	3 hours
MIL SC 4023 Military Professionalism.....	3 hours

(A Leadership Laboratory is required for MS IV courses.)

Successful completion of the Basic Course and approval from the Professor of Military Science are prerequisites for the Advanced Course.

In addition to the Military Science course and those courses required to satisfy the students' selected major and minor, ROTC students are required to take a course in U.S. Military History, Written Communication Skills and Human Behavior.

Scholarships

Scholarships are available for two, three and four year periods. Refer to the section on expenses, fees and financial aids for scholarship details.

Teacher Certification

Cameron University offers a program leading to a Special Endorsement teaching credential in JROTC. Consult the Teacher Certification Catalog and your departmental advisor for further details.

COURSES

MILITARY SCIENCE (MIL SC)

Basic Course

The ROTC Basic Course is designed to provide a basic understanding of the purpose and history of the United States Army, to offer training in fundamental military skills, to teach principles of instructional techniques, and to provide classroom and practical training in leadership. Enrollment in Basic Course subjects is open to all full-time day students, male and female, regardless of intentions to continue in ROTC or to pursue a commission. There is no military obligation incurred for basic course attendance. Full academic credit is given for all ROTC basic courses. Each enrollment in Military Science 2012, 2042, 3013, 3023, 4013, and 4023 will satisfy 1 hour of Physical Education Activity for General Education requirements. To successfully complete the Basic Course and be eligible for enrollment in the Advanced Course, a student must complete at least two courses in the 1000 series and two courses in the 2000 series, or complete Military Science 2022-6 or Military Science 2002-8 Basic Summer Camp. Placement credit can be given to students with 3 year JROTC experience.

1062 SURVIVAL AND FIRST AID, 2 hours credit

The study of basic survival skills "living off the land." This course includes topics such as acquiring food, water, and shelter; hot/cold weather injuries, elementary first aid, and map reading, plus the basic techniques of rappelling. Includes practical application. Lecture 2 hours.

1072 INTRODUCTION TO MILITARY SCIENCE, 2 hours credit

The study of the basic organization, history and functions of the United States Army and the Reserve Officers Training Corps. Provides the student an understanding of the Army in today's world. Topics of discussion include the Army's origins and traditions, customs and courtesies, familiarization of the Army Reserve and National Guard, career planning and development, and instruction in rifle marksmanship. Includes practical application. Lecture 2 hours.

Summer Camp

***2002-8 BASIC SUMMER CAMP, 2-8 hours credit**

Six-week training period. Conducted during the summer session prior to enrollment in the Advanced Course. Includes instruction in basic military subjects and applied leadership training designed to meet the prerequisites of the advanced program and is designed to be taken in place of the 1000 and 2000 level courses.

2012 TACTICS AND LEADERSHIP, 2 hours credit

Provides the student the basic concepts of leadership - applicable to civilian organization as well as the military. Also includes a study of individual and small unit tactics. Topics of discussion include counseling, professionalism and ethics for leaders, planning and conduct of training, patrolling, US tactics/weapons, and Soviet tactics/weapons. Lecture 2 hours, laboratory 2 hours.

2002-6 ACCELERATED BASIC MILITARY SCIENCE, 2-6 hours credit

A concentrated study of basic Military Science subjects to include First Aid, Introduction to Military Science, Leadership, Small Unit Tactics, and Rifle Marksmanship. The course is designed to qualify students for entry into the Advanced Program. Students having credit for 1000 and 2000 level Military Science courses will only receive appropriate credit for Military Science 2022-6. Lecture 2-6 and laboratory 2 hours. Prerequisite: Departmental approval.

2032 INDEPENDENT STUDY IN MILITARY HISTORY, 2 hours credit

Independent readings and/or study of specific military problems or special subjects, based upon pre-approved outlines of plans, with conferences and/or written reports. Prerequisite: Permission of the department chairman.

2042 BASIC MILITARY LEADERSHIP, 2 hours credit

An analysis of leadership qualities and methods through the study of principles and techniques of influencing the action of others. Includes topics such as leadership traits/principles, power, decision making, and management planning. Lecture 2 hours, laboratory 2 hours.

*Enrollment in MIL SC 2002-8 will be during the summer preceeding the admission to the advanced two-year program.

Advanced Course

The ROTC Advanced Course, comprised of the following five courses, is designed to train qualified, selected students, both male and female, in the basic skills and abilities desired in a commissioned officer. Map reading, communications, tactics, and practical work at advanced camp lay a ground work for specialized staff and area studies conducted in the senior year. Entrance into the Advanced Course is

predicated on at least one of the following requirements. Selected students must be physically, morally, and mentally qualified for a commission in the United States Army. They must also have successfully completed the Basic Course (two enrollments in 1000 series courses and two enrollments in 2000 series courses or complete Military Science 2022-6), or have attended and completed the ROTC Basic Summer Camp in lieu of the Basic Course, or qualify as a veteran of active service or Junior ROTC, and secure permission of the Professor of Military Science. Full academic credit is given for all ROTC Advanced Courses to include 4 hours for ROTC Advanced Camp. Veterans are entitled to VA educational benefits and ROTC subsistence allowance concurrently.

3013 MAP READING AND COMMUNICATIONS, 3 hours credit

An intensive study of the principles and techniques associated with the use of military maps. Additionally, current tactical communications equipment/procedures are discussed. Subjects include: grid coordinates, elevation and relief, wire communications, radio communications, authentication and encryption. Lecture 3 hours, laboratory 3 hours. Prerequisite: Military Science Basic Course or credit for Basic Course.

3023 TACTICS AND OPERATIONS, 3 hours credit

A continuation of study of military skills and applications toward the Military Team. Tactical considerations of employment of the squad, platoon and company. Topics of discussion include: "The Threat", law of war, analyzing terrain, camouflage, and offensive/defensive operations. Lecture 3 hours. Prerequisite: Military Science Basic course or credit for Basic Course.

4013 MILITARY MANAGEMENT, 3 hours credit

A study of unit staff officer responsibilities and unit operations with emphasis on the planning and coordination necessary between elements of a team. Subjects include: training management, conduct of meetings, draft/review correspondence, counseling personnel on job/personal/disciplinary problems. Lecture 3 hours, laboratory 3 hours. Prerequisites: Military Science Basic Course or credit for Basic Course and 3000 level courses.

4023 MILITARY PROFESSIONALISM, 3 hours credit

A study of unit administration and logistical procedures and the fundamental concepts of military justice and ethics. Lecture 3 hours, laboratory 3 hours. Prerequisites: Military Science Basic Course or credit for Basic Course and 3000 level courses.

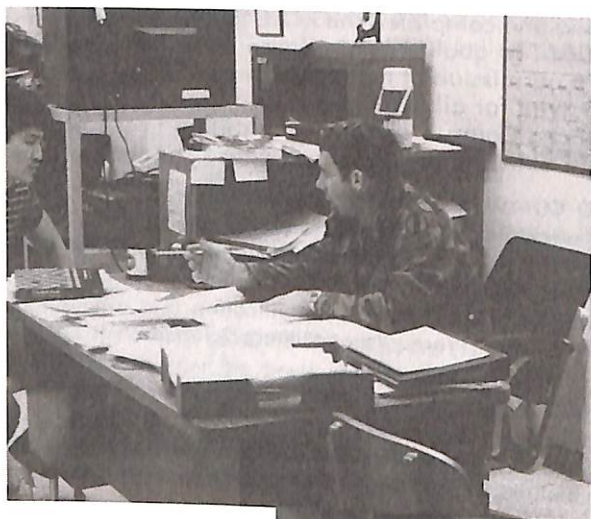
4004 ADVANCED SUMMER CAMP, 4 hours credit

A six-week training period required of all Advanced Course students between the junior and senior academic school year. Successful completion of Advanced Camp is a prerequisite for commissioning. Students receive one-half of a Second Lieutenant's base pay for the training period plus transportation to and from camp.

Leadership Laboratory

Leadership laboratory is a weekly period of instruction during which the student learns new practical military skills and reinforces those skills previously acquired. Visits to nearby Fort Sill allow the students to get a first hand look at Army duty and its lifestyle. Specific activities include: rifle marksmanship, map reading, weapons orientation, physical conditioning, and orientation trips to Fort Sill. Attendance at leadership laboratory is considered for each student on indi-

vidual basis. Every effort is made to resolve conflicts with other class work and university activities. Athletic and band activities have priority. Leadership Laboratory is included in all Military Science Courses 2000 level and above.



T DEPARTMENT OF TECHNOLOGY

CHAIRMAN - Don Phillips, Professor

Professor: Spradley

Associate Professors: Byrd, Sutherland

Assistant Professors: Cottingham, D. Hicks, G. Jones, Mathis, Russell

The Department of Technology offers programs leading to the Bachelor of Science Degree with majors in Technology, Data Processing Technology, Design Drafting Technology, Electronics Technology and Technology.

The Department of Technology also offers the Associate Degree in Applied Science with majors in Data Processing, Design, Drafting, and Electronics.

BACHELOR OF SCIENCE DEGREE PROGRAMS

Baccalaureate degree curricula are designed to provide the associate degree technology graduate with preparation for managerial or technical specialty/positions which require advanced technical expertise.

These programs are designed to serve (1) graduates of Cameron University's Associate Degree technology programs, (2) graduates of associate degree technology programs offered by other regionally accredited institutions of higher education and (3) individuals with extensive backgrounds in a technical specialty.

BACHELOR OF SCIENCE DEGREE MAJOR IN TECHNOLOGY

DATA PROCESSING TECHNOLOGY
DESIGN DRAFTING TECHNOLOGY
ELECTRONICS TECHNOLOGY
TECHNOLOGY

- | | |
|--|----------|
| I. GENERAL EDUCATION REQUIREMENT | 50 hours |
| II. MAJOR-MINOR | 60 hours |
| Core Courses | 12 hours |
| TECH 3013 Technical Report Writing | |
| TECH 3023 Principles of Supervision | |
| TECH 4013 Union-Management Relations | |
| or TECH 4033 Industrial Organization | |
| TECH 4033-6 Directed Observation and On-The-Job Internship | |
| Technical Specialty | 32 hours |

Upper Division Courses..... 16 hours

Selected to complement the student's goals and objectives and approved by the Department of Technology.

III. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

Individuals planning to enter the Bachelor of Science degree program with a major in Technology are required to file formal application for admission to such study in the Technology Department. Cameron University Associate Degree in Applied Science candidates desiring admission may make application during the last semester of the sophomore year. The following data are used in considering an applicant for admission to the program:

1. An Associate Degree or an appropriate certificate of accomplishment for acceptable work done in an accredited college.
2. A college transcript.

Persons admitted to the program will be assigned an academic advisor by the Department of Technology. The advisor and the student will determine a suitable program of study which will be filed with the Chairman of the Department of Technology. Any deviation from the program of study must have prior approval from the academic advisor.

ASSOCIATE DEGREE IN APPLIED SCIENCE

The Associate Degree in Applied Science programs are designed to prepare for employment requiring expertise in a technical specialty. Graduates of these programs have been most successful in obtaining employment in a variety of positions in business, industry and government.

ASSOCIATE DEGREE IN APPLIED SCIENCE IN DATA PROCESSING

I. GENERAL EDUCATION REQUIREMENT 24 hours

Required Courses 15 hours

ENGL 1113 English Composition I

POL SCI 1113 American Federal Government

HIST 1483 United States History to 1865

or HIST 1493 United States History Since 1865

MATH 1213 Intermediate Algebra or Higher

ACCTG 2013 Accounting I

Approved General Education Electives 9 hours

Behavioral Science or Economics (3 hours)

Humanities and/or Physical Education (3 hours)

ENGL 1213 English Composition II or SPCH 1113 Fundamentals of Speech	
II. TECHNICAL SPECIALITY	33 hours
Required Courses	21 hours
DATA P 1013 Introduction to Data Processing	
DATA P 1063 COBOL Applications I	
DATA P 2033 Systems Analysis	
DATA P 2063 COBOL Applications II	
DATA P 2183 Software/Hardware Applications	
DATA P 3053 COBOL Applications III	
DATA P 3083 Data Base	
Computer Language Electives	6 hours
DATA P 1023 RPG Programming	
DATA P 1083 BASIC Programming	
DATA P 2043 Assembly Language Programming	
DATA P 2073 Advanced RPG Programming	
DATA P 2173 Advanced ASSEMBLY	
GENT 2113 FORTRAN Programming	
System Electives	6 hours
DATA P 2001-3 Special Problems in Data Processing	
DATA P 3023 Facilities Management	
DATA P 4013 Small Business Applications	
DATA P 4023 Business Applications of Computer Graphics	
III. TECHNICAL-OCCUPATIONAL RELATED COURSES.....	9 hours
ACCTG 2023 Accounting II (Required)	
(Selected from the following)	
Advanced Accounting (above 2023)	
Statistics (STAT 3003)	
or Business Statistics (BUS 3613)	
Microprocessors (PHYS 3073)	
Other Related Courses (Advisor Approved)	
TOTAL.....	66 hours

ASSOCIATE DEGREE IN APPLIED SCIENCE IN DESIGN DRAFTING

I. GENERAL EDUCATION REQUIREMENT	24 hours
Required Courses	15 hours
ENGL 1113 English Composition I	
POL SCI 1113 American Federal Government	
HIST 1483 United States History to 1865	
or HIST 1493 United States History Since 1865	
Mathematics (6 hours) Must Include Trigonometry	
Approved General Education Electives	9 hours
Behavioral Science or Economics (3 hours)	

Humanities and/or Physical Education (3 hours)

ENGL 1213 English Composition II
or SPCH 1113 Fundamentals of Speech

II. TECHNICAL SPECIALTY 32 hours

Required Courses 14 hours

DESN 2102 Applied Statics

DESN 4013 Computer Aided Design and Drafting

DRFT 1013 Drafting

DRFT 1023 Descriptive Geometry

DRFT 2073 Industrial Illustration

Electives 18-20 hours

ARCHITECTURE

ARCH 2013 Residential Architecture

ARCH 2133 Surveying

ARCH 2353 Structural Detailing

ARCH 3023 Commercial Architecture

DESIGN

DESN 2001-3 Special Problems in Design

DESN 2164 Applied Strength of Materials

DESN 3004 Applied Kinematics

DESN 3034 Machine Design

DRAFTING

DRFT 1073 Production Drafting

DRFT 3023 Printed Circuit Drafting

DRFT 3053 Pipe Drafting

III. TECHNICAL-OCCUPATIONAL RELATED COURSES..... 10 hours

(Selected from the following)

ELECT 1014 Electricity

GENT 1053 Industrial Fluid Power

GENT 2113 FORTRAN

Other Related Courses (Advisor Approved)

TOTAL..... 66 hours

ASSOCIATE DEGREE IN APPLIED SCIENCE IN ELECTRONICS

I. GENERAL EDUCATION REQUIREMENT 24 hours

Required 15 hours

ENGL 1113 English Composition I

POL SCI 1113 American Federal Government

HIST 1483 United States History to 1865

or HIST 1493 United States History Since 1865

Mathematics (6 hours) must include Trigonometry

(MATH 1715 College Algebra & Trigonometry will satisfy this requirement)

Approved General Education Electives	9 hours
Behavioral Science or Economics (3 hours)	
Humanities and/or Physical Education (3 hours)	
ENGL 1213 English Composition II or SPCH 1113 Fundamentals of Speech	
II. TECHNICAL SPECIALTY	34 hours
Required Courses	16 hours
ELECT 1014 Electricity	
ELECT 1024 Network Analysis	
ELECT 1054 Introduction to Electronic Devices	
ELECT 2014 Electronic Amplifiers	
Concentration	18 hours
(Major must select two of the following concentration and electives to complete a minimum of 18 hours)	
Digital	
ELECT 2164 Digital Techniques	
ELECT 3124 Digital Computer Principles	
Industrial	
ELECT 2033 Instrumentation	
ELECT 3034 Automatic Control Systems	
Communications	
ELECT 2044 Communication Circuits	
ELECT 2053 Advanced Communications	
ELECT 2063 Television Systems	
Electives	
ELECT 2113 Rotating Machines	
ELECT 2023 Circuit Analysis	
ELECT 2001-3 Special Problems	
ELECT 3133 Microprocessor Technology	
III. TECHNICAL-OCCUPATIONAL RELATED COURSES.....	8 hours
(Selected from the following)	
DRAFT 1013 Drafting	
DESIGN 3004 Applied Kinematics	
DATA P 1083 Basic Programming	
GENT 1053 Industrial Fluid Power	
GENT 2113 FORTRAN Programming	
Other Related Courses (Advisor Approved)	
TOTAL.....	66 hours

COURSES

ARCHITECTURE (ARCH)

2013 RESIDENTIAL ARCHITECTURE, 3 hours credit
The development of plans and details of residential structures. Lecture 1 hour, laboratory 4 hours. Prerequisite: DRAFT 1023.

2123 SURVEYING, 3 hours credit
Measurement of distance and angles using the transit and Theodolite. Lecture 2 hours, laboratory 3 hours. Prerequisite: MATH 1613 or concurrent enrollment.

2353 STRUCTURAL DETAILING, 3 hours credit

The drafting of steel, concrete, and wood structural members and their connectors, including working drawings. Lecture 1 hour, laboratory 4 hours. Prerequisite: DRFT 1023.

3023 COMMERCIAL ARCHITECTURE, 3 hours credit

The design of commercial buildings with emphasis on safety, durability, and comfort. Lecture 1 hour, laboratory 4 hours. Prerequisite: ARCH 2013.

DATA PROCESSING (DATA P)**1013 INTRODUCTION TO DATA PROCESSING, 3 hours credit**

Survey of the industry; introducing automated data processing with effects on business and society; and survey of hardware and software. Lecture 3 hours.

1023 RPG PROGRAMMING, 3 hours credit

Elements of RPG II programming language applied to business applications. Lecture 2 hours/laboratory 2 hours.

1063 COBOL APPLICATION I, 3 hours credit

Elements of COBOL programming languages applied to business systems. Use of terminals and editor systems will be stressed in the laboratory. Lecture 2 hours/laboratory 2 hours.

1083 BASIC PROGRAMMING, 3 hours credit

Elements of BASIC programming language. Lecture 3 hours.

2001-3 SPECIAL PROBLEMS IN DATA PROCESSING, 1-3 hours credit

Assigned student projects which will include topics not covered in detail in the Data Processing curriculum and based on study needs. Laboratory 3-9 hours. Prerequisite: Sophomore standing and departmental permission.

2033 SYSTEM ANALYSIS, 3 hours credit

Feasibility study including problem definition, study of existing systems, new systems requirements, designing new systems, cost analysis, selling the systems, implementation, charting, forms design. Lecture 3 hours. Prerequisite: DATA P 1013.

2043 ASSEMBLY LANGUAGE PROGRAMMING, 3 hours credit

Includes machine and assembly programming, debugging, housekeeping, techniques, loops, indexing, and subroutines. Lecture 2 hours, laboratory 2 hours. Prerequisite: DATA P 1013.

2063 COBOL APPLICATIONS II, 3 hours credit

COBOL programming of business systems emphasizing file processing, interactive processing, terminal formats, subprograms, and software validation. Lecture 3 hours. Prerequisites: DATA P 1013 and 1063.

2073 ADVANCED RPG PROGRAMMING, 3 hours credit

Advanced programming techniques using RPG II. Lecture 3 hours. Prerequisite: DATA P 1023.

2083 SOFTWARE AND HARDWARE CONCEPTS, 3 hours credit

A survey of technical topics related to computer systems with emphasis on relationships between hardware architecture system software, and applications software. Lecture 3 hours. Prerequisites: DATA P 2033, 2063 or department permission.

2173 ADVANCED ASSEMBLY LANGUAGE PROGRAMMING, 3 hours credit

Assembly language programming. Includes use of a commercial instruction set and fixed point arithmetic. Lecture 3 hours. Prerequisite: DATA P 2043.

3023 FACILITIES MANAGEMENT, 3 hours credit

Site planning, preparation and layout. Facility and data security, job scheduling, library maintenance, supervision of data processing personnel, and job control language. Lecture 3 hours. Prerequisite: DATA P 2033.

3063 COBOL APPLICATIONS III, 3 hours credit

COBOL programming for file updating, data validation, software validation, forms design, and system audits. Lecture 3 hours. Prerequisites: DATA P 2033, 2063 and ACCTG 2013.

3083 DATA BASE, 3 hours credit

Emphasis on design and use of data base systems and a comparison to sequential file structures. Lecture 3 hours. Prerequisite: DATA P 3063.

4013 SMALL BUSINESS APPLICATIONS OF MICROCOMPUTERS, 3 hours credit

Development of programs for small business computers and survey of existing commercial software. Lecture 3 hours. Prerequisites: DATA P 1083 and 3063.

4023 BUSINESS APPLICATIONS OF COMPUTER GRAPHICS, 3 hours credit

Computer graphics as it applies to business decisions making. Lecture 3 hours. Prerequisite: Departmental permission.

DESIGN (DESN)**1072 TOOL DESIGN, 2 hours credit**

A study of machine shop practices, foundry, and forging procedures; with an introduction to jig and fixture design. Lecture 1 hour, laboratory 3 hours. Prerequisite: DESIGN 1013.

2001-3 SPECIAL PROBLEMS IN DESIGN, 1-3 hours credit

Assigned study projects will include topics not covered in detail in the drafting curriculum and will be based on student needs. Laboratory 3-9 hours. Prerequisite: Sophomore standing or departmental permission.

2102 APPLIED STATICS, 2 hours credit

A study of coplanar forces determining loads and reactions on standard beams. Emphasis is given to shear, moments, and critical beam stress. Standard tables including AISC and CRSI are used. Lecture 2 hours. Prerequisite: Trigonometry or concurrent enrollment.

2164 APPLIED STRENGTH OF MATERIALS, 4 hours credit

The design of the size, shape, and function of structural members. The analytical and graphical solutions of structural problems. Includes testing of physical characteristics of compression, shear, hardness, and tension on various materials. Lecture 3 hours, laboratory 2 hours. Prerequisites: DRAFT 1013 and DESIGN 2102.

3004 APPLIED KINEMATICS, 4 hours credit

Plane motion analysis of machine elements such as linkages, cams, gears, and drives. The dynamics of rotating machine elements. Lecture 3 hours, laboratory 2 hours. Prerequisite: Trigonometry.

3034 MACHINE DESIGN, 4 hours credit

The design of power transmitting machinery composed of machine elements such as gears, pulleys, and cams. Lecture 3 hours, laboratory 2 hours. Prerequisite: DESIGN 2164.

4013 COMPUTER AIDED DRAFTING AND DESIGN, 3 hours credit

Applications of high level computer language programs for the solution of drafting, mechanical, architectural, and electronics problems. Lecture 1 hour/laboratory 4 hours. Prerequisite: DRAFT 1073.

DRAFTING (DRAFT)

1013 DRAFTING, 3 hours credit

The use of drafting equipment to produce drawings in compliance with standards. Emphasis on drafting practices, procedures, and techniques. Lecture 1 hour, laboratory 4 hours.

1023 DESCRIPTIVE GEOMETRY, 3 hours credit

Orthographic solutions involving the point, line and plane projections, intersections, and surface development of solids. Lecture 1 hour, laboratory 4 hours. Prerequisite: DRAFT 1013 or equivalent.

1073 PRODUCTION DRAFTING, hours credit

Development of working drawings emphasizing the relationship between machine tool operation and product design. An introduction to numerical control shop practices, foundry and forging procedures and tool design. Lecture 1 hour, laboratory 4 hours. Prerequisite: DRAFT 1013.

2073 INDUSTRIAL ILLUSTRATION, 3 hours credit

The study of basic procedures used by industry to make three dimensional drawings. Drawing devoted to the actual industrial methods and problems for a better understanding of industrial needs. Lecture 1 hour, laboratory 4 hours. Prerequisite: DRAFT 1023.

3023 PRINTED CIRCUIT DRAFTING, 3 hours credit

Standard drafting practices and computer aided drafting techniques are used to develop printed circuit patterns. Lecture 1 hour, laboratory 4 hours. Prerequisites: DRAFT 1023 and ELECT 1014 or GENT 1003.

3053 PIPE DRAFTING, 3 hours credit

Drafting solutions applying piping terminology, symbols, flow diagrams, piping plans and elevations, line isometrics, and detail dimensioning. Lecture 1 hour, laboratory 4 hours. Prerequisites: GENT 1053 and DRAFT 1023.

ELECTRONICS (ELECT)

1014 ELECTRICITY, 4 hours credit

Elementary principles of electricity covering basic electric units, Ohm's law, Kirchhoff's Law, a-c and d-c circuit solutions, magnetisms and electrical measuring instruments. Lecture 3 hours, laboratory 2 hours. Prerequisite: MATH 1213 or concurrent enrollment.

1024 NETWORK ANALYSIS, 4 hours credit

A study of equivalent circuits, resistance networks, impedance networks and couple circuits. Lecture 3 hours, laboratory 2 hours. Prerequisites: ELECT 1014 and MATH 1613 or concurrent enrollment.

1054 ELECTRONIC DEVICES, 4 hours credit

A study of static and dynamic characteristics of semiconductor devices with elementary applications in amplifiers, power supplies, and switching circuits. Lecture 3 hours, laboratory 2 hours. Prerequisite: ELECT 1014 or concurrent enrollment.

2001-3 SPECIAL PROBLEMS IN ELECTRONICS, 1-3 hours credit

Guidance in independent work. Assigned study projects which will include topics not covered in detail in electronics curricula and based on student needs. Laboratory 3-9 hours. Prerequisites: Sophomore standing and departmental permission.

2014 ELECTRONICS AMPLIFIERS, 4 hours credit

The analysis of multistage electronic amplifiers including compensation and feedback. Lecture 3 hours/laboratory 2 hours. Prerequisite: ELECT 1054 or equivalent.

2023 CIRCUIT ANALYSIS, 3 hours credit

Analysis and applications using linear integrated circuits. Lecture 3 hours, laboratory 2 hours. Prerequisite: ELECT 2014.

2033 INSTRUMENTATION, 3 hours credit

A study of electronic test instruments and transducers and their use as indicating recording, and controlling devices. Lecture 2 hours, laboratory 2 hours. Prerequisites: ELECT 1024 and 2014.

2044 COMMUNICATION CIRCUITS, 4 hours credit

The study of transmitters and receivers including resonant circuits, couple circuits, r-f power amplifiers, oscillators, modulators and demodulators. Lecture 3 hours, laboratory 2 hours. Prerequisite: ELECT 2014 or equivalent.

2053 ADVANCED COMMUNICATIONS, 3 hours credit

A continuation of ELECT 2044. Further study of communication circuits including an introduction to antennas, transmission lines, and waveguides. Lecture 2 hours, laboratory 2 hours. Prerequisite: ELECT 2044.

2063 TELEVISION SYSTEMS, 3 hours credit

Principles of television systems. Lecture 2 hours, laboratory 2 hours. Prerequisite: ELECT 2053.

2113 ROTATING MACHINES, 3 hours credit

Principles of motors, generators and other rotating devices as energy converters. Included are DC, single-phase, and three-phase systems. Lecture 2 hours, laboratory 2 hours. Prerequisite: ELECT 1024.

2164 DIGITAL TECHNIQUES, 4 hours credit

Analysis and applications using digital integrated circuits. Lecture 3 hours, laboratory 2 hours. Prerequisites: ELECT 1024 and 1054.

3124 DIGITAL COMPUTER PRINCIPLES, 4 hours credit

The study of digital computer circuits. A continuation of ELECT 2164. Lecture 3 hours, laboratory 2 hours. Prerequisite: ELECT 2164.

3133 MICROPROCESSOR TECHNOLOGY, 3 hours credit

A study of microprocessors, including architecture, assembly language programming and machine language programming. Lecture 2 hours/laboratory 2 hours. Prerequisite: ELECT 3124.

4013 ELECTRONIC DESIGN AND ANALYSIS, 3 hours credit

The analysis, design and/or modification of electronic systems. The feasibility study, writing specifications, cost analysis, environmental testing and quality control. Lecture 2 hours, laboratory 2 hours. Prerequisite: 24 credit hours in electronics or departmental permission.

GENERAL TECHNOLOGY (GENT)**1003 APPLIED ELECTRICITY AND MACHINES, 3 hours credit**

The study of electric circuits and machines, including dc and ac motors and generators. Not for electronics technology majors. Lecture 2 hours, laboratory 2 hours.

1053 INDUSTRIAL FLUID POWER, 3 hours credit

Applied fluid mechanics involving valves, cylinders, pumps, piping standards, fluid motors, basic circuits symbols, industrial components, and commercial systems. Lecture 2 hours, laboratory 2 hours.

2113 FORTRAN PROGRAMMING, 3 hours credit

Elements of FORTRAN programming. Lecture 3 hours. Prerequisite: MATH 1213.

TECHNOLOGY (TECH)**3000-3 TECHNOLOGY WORKSHOP, 0-3 hours credit**

Designed to give intensive emphasis to a specific area of technology. May be repeated with a change of content for a maximum of 6 hours credit. Prerequisites: Junior standing and/or departmental permission.

3013 TECHNICAL REPORT WRITING, 3 hours credit

Basic principles of organizing informal material into a clear, concise and accurate industrial report. Topics include letters, memos, minutes of meetings, trip reports, progress reports, proposals and technical reports. Lecture 3 hours. Prerequisite: Junior standing or departmental permission.

3023 PRINCIPLES OF SUPERVISION, 3 hours credit

General principles of industrial supervision. Topics include supervisor's functions, human resources and motivation, worker attitudes, and the art of leadership. Lecture 3 hours. Prerequisite: Junior standing or departmental permission.

3033 PRODUCT PLANNING AND ESTIMATING, 3 hours credit

Fundamentals of cost estimating and planning which include consideration of facilities, equipment, and materials. Plant layout and product designs are analyzed. Lecture 3 hours. Prerequisite: Junior standing or departmental permission.

4003-6 DIRECTED OBSERVATION AND ON-THE-JOB INTERNSHIP, 3-6 hours credit

Directed observation and on-the-job internship served in area directly related to the student's technical specialty. The job should be approved by the major advisor prior to starting the internship. Laboratory 6-12 hours. Prerequisites: TECH 3013 and 3023 or departmental permission.

4013 UNION-MANAGEMENT RELATIONS, 3 hours credit

The structure, history, and goals of labor unions. A study of Federal and State labor relations laws, current issues in collective bargaining and arbitration. Lecture 3 hours. Prerequisite: TECH 3023 or departmental permission.

4033 INDUSTRIAL ORGANIZATIONS, 3 hours credit

A study of the factors that affect the organization and management of an industrial enterprise. Topics include the internal organization, managerial controls, management's functions, wage and salary administration, job evaluations, and budgetary controls. Lecture 3 hours. Prerequisite: Junior standing or departmental permission.

4491-3 INDEPENDENT STUDY IN TECHNOLOGY, 1-3 hours credit

Assigned research, reading, and reports based on the needs of the individual student and directly related to the student's technical specialty. Individual guidance will be provided by a faculty member. Prerequisite: Junior standing or departmental permission. The total number of hours earned in Independent Study may not exceed four.

VOCATIONAL (VOC) Technology Department

1001-3 SPECIAL PROBLEMS, 1-3 hours credit

An assigned study project which will include advanced training in a particular vocational area. 24 shop hours per credit hour enrolled. Prerequisite: Permission of Technology Department Chairman.

1012 VOCATIONAL SHOP, 2 hours credit

The use and care of common hand tools, instruments and measuring devices, shop safety, and career guidance. 48 shop hours. Prerequisite: none.

1014 AUTO BODY REPAIR, 4 hours credit

Selected topics such as sheet metal repair, painting, and refinishing, frame straightening, and auto glass accessories. Shop experience using military and/or commercial vehicles. May be repeated with a different topic for a total of 8 credit hours. 96 shop hours per course. Prerequisite: VOC 1012.

2004 AUTOMOTIVE MAINTENANCE, 4 hours credit

Selected topics such as gasoline engines, chassis, fuel systems, and tune-up. Shop experience using military and/or commercial vehicles. May be repeated with a different topic for a total of 16 credit hours. 96 shop hours per course. Prerequisite: VOC 1012.

2014 DIESEL MAINTENANCE, 4 hours credit

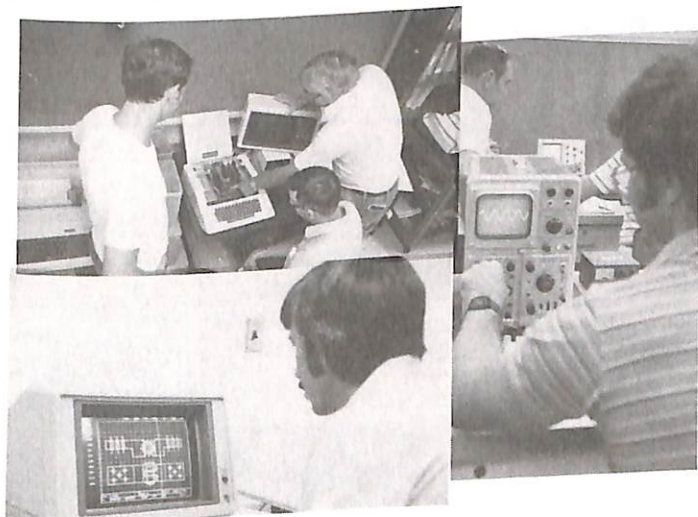
Selected topics such as diesel engines, chassis, fuel systems, power trains, electrical systems, and tune-up. Shop experience using military and/or commercial vehicles. May be repeated with a different topic for a total of 16 credit hours. 96 shop hours per course. Prerequisite: VOC 1012.

2024 WELDING, 4 hours credit

Selected topics such as acetylene, arc, M.I.G. and T.I.G. welding. Shop experience using military and/or commercial equipment. May be repeated with a different topic for a total of 16 credit hours. 96 shop hours per course. Prerequisite: VOC 1012.

2034 AIR CONDITIONING, REFRIGERATION AND HEATING, 4 hours credit

Selected topics such as refrigeration, heating, and air-conditioning. Shop experience using military and/or commercial equipment. May be repeated with a different topic for a total of 16 credit hours. 96 shop hours per course. Prerequisite: VOC 1012.





DIVISION OF NATURAL SCIENCES AND HEALTH

Head, Bob Vowell
Professor of Physical Science

DEPARTMENT OF
AGRICULTURE

DEPARTMENT OF BIOLOGICAL
SCIENCE

DEPARTMENT OF NURSING

DEPARTMENT OF PHYSICAL
SCIENCE

A DEPARTMENT OF AGRICULTURE

CHAIRMAN - A. C. (Al) Bennett, Professor

Associate Professors: Rieck

Assistant Professors: Doane, Hagee, Kennedy, Neason

The Agriculture Department offers the Bachelor of Science Degree with majors in Agriculture and Agricultural Education. Double majors are possible. Students majoring in Agriculture choose concentrations in Agricultural Mechanization, Agronomy, Animal Science or Horticulture; majors may also elect an Agricultural Business Management option within any concentration. Students majoring in Agricultural Education must meet requirements for both the degree and licensing as a teacher of vocational agriculture.

BACHELOR OF SCIENCE DEGREE MAJOR IN AGRICULTURE

- I. GENERAL EDUCATION REQUIREMENT 50 hours
 II. MAJOR 38 hours

Core Courses 18 hours

AGRIC 1124 Introduction to Animal Science

AGRIC 1214 Introduction to Plant Science

AGRIC 1334 Introduction to Agricultural Economics

AGRIC 2124 Fundamentals of Soil Science

AGRIC 4572 Senior Seminar in Agriculture

Concentration 14 hours

Majors must select at least 14 hours from one of the following concentrations.

Animal Science

ANIM S 3102 Livestock Evaluation

ANIM S 3112 Advanced Livestock Evaluation

ANIM S 3133 Breeds of Livestock

ANIM S 3653 Applied Nutrition

ANIM S 4113 Beef Cattle Science

ANIM S 4123 Swine Science

ANIM S 4133 Sheep Science

ANIM S 4333 Physiology of Domestic Animals

ANIM S 4423 Livestock Diseases and Sanitation

ANIM S 4434 Animal Reproduction

Agronomy

AGRON 3214 Forage, Range and Pasture Crops

AGRON 3434 Soil Morphology and Conservation

AGRON 3683 Physical Properties of Soils

AGRON 4123 Principles of Plant Physiology

AGRON 4124 Pesticides

AGRON 4234 Soil Fertility and Management

AGRON 4674 Grain Crops

Selected Electives (5 hours) must be approved by
 Academic Advisor

Horticulture

- HORT 2102* Horticulture Science
- HORT 3112 Identification and Use of Ornamental Plants
- HORT 3213 Propagation of Ornamental Plants
- HORT 4204 Greenhouse Production
- HORT 4313 Nursery Operations and Production
- HORT 4413 Landscape Design
- HORT 4453 Landscape Development and Maintenance

Agriculture Mechanization

- AG MEC 3122 Agricultural Construction Skills
- AG MEC 3222 Agricultural Mechanics Skills
- AG MEC 3152 Electricity in Agriculture
- AG MEC 3172 Mechanized Feed Handling
- AG MEC 4203 Drainage and Irrigation Principles
- AG MEC 4222 Methods of Teaching Agricultural
Mechanization
- AG MEC 4702 Tractor Principles
- AG MEC 4802 Machinery Management and Systems Planning

Agricultural Business Management Option

Choose concentration from above.

Required Courses

- AGRIC 3303 Principles of Agricultural Marketing
 - AGRIC 3413 Farm and Ranch Management
 - AGRIC 4423 Computers in Agriculture
 - ACCT 2013 Principles of Accounting I
 - BUS 3213 Business Law I
 - MGMT 3013 Principles of Management
 - MKTG 3413 Principles of Marketing
- Choose 9 hours from the following:
- ECON 3313 Money and Banking
 - FIN 2643 Insurance
 - FIN 2813 Fundamentals of Real Estate
 - FIN 3603 Principles of Finance
 - FIN 3623 Investments
 - MKTG 3433 Retailing
 - MKTG 3533 Sales Management

No minor is required for those selecting an Agricultural Business Management Option.

*Course required; choose 14 additional hours 3000-4000 level courses

- III. MINOR..... 18 hours
- IV. ELECTIVES TO COMPLETE 128 SEMESTER HOURS REQUIRED FOR GRADUATION.

BACHELOR OF SCIENCE DEGREE MAJOR IN AGRICULTURAL EDUCATION

- I. GENERAL EDUCATION REQUIREMENT 50 hours
Requirements for the teaching credential may affect the specific courses taken to meet these requirements.

II. MAJOR-MINOR 58 hours

Requirements for the teaching credentials include a total of 58 semester hours with a minimum of 10 hours of coursework in each of the areas of Animal Science, Plant Science, Agricultural Economics and Agricultural Mechanics. Support courses in biological and physical sciences must be completed. *Ten hours of the General Education requirement may be met by specified courses of the Major-Minor requirements. Students must see their Academic Advisor to select appropriate coursework.

Agricultural Economics

AGRIC 1334* Introduction to Agricultural Economics

AGRIC 3303 Principles of Agricultural Marketing

AGRIC 3413 Farm and Ranch Management

Plant Science

AGRIC 1214 Introduction to Plant Science

AGRON 4234 Soil Fertility and Management

AGRON/AGRIC Elective in Plant Science (minimum of 2 hours)

Animal Science

AGRIC 1124 Introduction to Animal Science

AGRIC 1123 Livestock Feeding

or ANIM S 3653 Applied Nutrition

ANIM S/AGRIC Elective (minimum of 3 hours)

Agricultural Mechanics

AG MEC 3222 Agricultural Mechanics Skills

or AG MEC 3122 Agricultural Construction Skills and Processes

AG MEC 4222 Methods of Teaching Agricultural Mechanics

AG MEC Advanced Electives (6 hours)

Supporting Courses in Agriculture, Physical and Biological Science

BIO 3024 General Entomology

CHEM 1225* General Chemistry

CHEM 3345* Organic Chemistry

AGRIC 4112 Practicum

AGRIC 2124 Fundamentals of Social Science (2 hours apply to Plant Science requirement)

*These courses may also satisfy 10 hours of General Education.

III. PROFESSIONAL EDUCATION 31 hours

AG ED 3103 Introduction to the Teaching of Vocational Agriculture

AG ED 3203 Planning the Community Program in Vocational Agriculture

AG ED 4103** Methods of Teaching and Management in Vocational Agriculture

AG ED 4116** Directed Observation and Student Teaching of Agriculture in Secondary Schools

AG ED 4216** Continuation of Directed Observation and Student Teaching of Agriculture in Secondary Schools

PSYCH 3323 Psychology of Adolescence
 PSYCH 3352** Educational Psychology
 SP EDUC 3103 The Exceptional Child
 EDUC 4232** Audio-Visual Education

IV. ELECTIVES TO COMPLETE 129 HOURS REQUIRED FOR GRADUATION

**Admission to teacher education is prerequisite to enrolling in these courses.

COURSES

AGRICULTURAL EDUCATION (AG ED)

3103 INTRODUCTION TO THE TEACHING OF VOCATIONAL AGRICULTURE, 3 hours credit

Legislation pertaining to vocational education; aims and objectives in secondary education including vocational education; the place of agriculture in high school, post-high school and community educational programs. Lecture 3 hours. Prerequisites: 21 semester hours credit in Agriculture, admission to teacher education and junior standing.

3203 PLANNING THE COMMUNITY PROGRAM IN VOCATIONAL AGRICULTURE, 3 hours credit

Characteristics of vocational agriculture programs; methods of developing supervised occupational experience programs, techniques of leadership, planning and operating youth organizations in agriculture, and directing programs. Lecture 2 hours/lab 2 hours. Prerequisite: AG ED 3103.

4103 METHODS OF TEACHING AND MANAGEMENT IN VOCATIONAL AGRICULTURE, 3 hours credit

Specific methods, objectives, organization of subject matter, lesson planning, and evaluation used in teaching Vocational Agriculture. Lecture 2 hours, laboratory 2 hours. Prerequisites: AG ED 3103, 3203 and admission to student teaching. Teacher Certification Students must be admitted to teacher education prior to enrollment in this course.

4116 DIRECTED OBSERVATION AND STUDENT TEACHING OF AGRICULTURE IN SECONDARY SCHOOLS, 6 hours credit

Directed observation and student teaching of agriculture in secondary schools is the participation in experiences where knowledge and methods of teaching are applied in an educational setting. Classroom planning, teaching, pupil evaluation, and counseling in the secondary schools will be emphasized. Prerequisites: AG ED 4103, permission of AG ED Coordinator, and admission to teacher education.

4216 CONTINUATION OF DIRECTED OBSERVATION AND STUDENT TEACHING OF AGRICULTURE IN SECONDARY SCHOOLS, 6 hours credit

Continuation of directed observation and student teaching of agriculture in secondary schools is the participation in experiences where knowledge and methods of teaching are applied in nontraditional education settings. Extended day activities involved with the teaching of agriculture in the secondary schools will be emphasized. Prerequisites: AG ED 4103, permission of AG ED Coordinator, and admission to teacher education.

AGRICULTURE (AGRIC)

1123 LIVESTOCK FEEDING, 3 hours credit

An elementary study of livestock feeding problems. The selection and preparation of feeds for the different classes of livestock. Practical feeding methods, balancing rations for various kinds of livestock. Lecture 3 hours.

1124 INTRODUCTION TO ANIMAL SCIENCE, 4 hours credit

Species adaptability, product standards and requirements, areas and types of production, processing and distribution of products; (includes meat animals, dairy and poultry). Lecture 3 hours, laboratory 2 hours.

1214 INTRODUCTION TO PLANT SCIENCE, 4 hours credit

Factors determining growth, distribution, culture, improvement and utilization of economic plants. Lecture 3 hours, laboratory 2 hours.

1334 INTRODUCTION TO AGRICULTURE ECONOMICS, 4 hours credit

A study of economic principles as they are related to the national economy, production, marketing and consumption of agricultural products. Lecture 4 hours.

2124 FUNDAMENTALS OF SOIL SCIENCE, 4 hours credit

A general course dealing with the origin, chemical, physical, and biological properties of soils in relation to plant growth, soil productivity and land use. Lecture 3 hours, laboratory 2 hours. Prerequisite: CHEM 1225 or 1474 or equivalent.

3303 PRINCIPLES OF AGRICULTURAL MARKETING, 3 hours credit

Analysis of the marketing system; its importance to the economy and the role of the individual firm. Understanding of basic concepts, problems, and decision aids is emphasized. Lecture 3 hours. Prerequisite: AGRIC 1334.

3413 FARM AND RANCH MANAGEMENT, 3 hours credit

Production planning with budgeting, market planning, financial records, and income tax management for the individual farm-ranch business. Lecture 2 hours, laboratory 2 hours. Prerequisite: AGRIC 1334.

4112 PRACTICUM, 2 hours credit

The practical application of selected technical agricultural competencies with emphasis on those that are important for prospective teachers of vocational agriculture. The development of individual competencies in technical agriculture, excluding agricultural mechanics. Laboratory 4 hours. Prerequisites: AGRIC 1124, 1214, 2124.

4321-4 SPECIAL STUDIES IN AGRICULTURE, 1-4 hours credit

Individual study involving a report based on the review of literature, laboratory problems, or field investigations. Prerequisites: Senior standing and departmental approval.

4423 COMPUTERS IN AGRICULTURE, 3 hours credit

An introduction to the uses of microcomputers in agricultural decision-making and management. Hardware selection, agricultural application programs, and multipurpose software such as electronic spreadsheets, data-based management packages, national data networks, and word processing will be studied as applied to the agricultural industry. Lecture 1 hour/laboratory 4 hours. Prerequisite: Junior Standing.

4571-2 AGRICULTURAL SEMINAR, 1-2 hours credit

Review and discussion of current research papers, research work and problems in agriculture. Lecture 2 hours. Prerequisite: Senior standing.

AGRICULTURAL MECHANICS (AG MEC)

1413 INTRODUCTION TO MECHANIZED AGRICULTURE, 3 hours credit

The use of power, machines and engineered systems for production and utilization of agriculture products. Lecture 2 hours, laboratory 2 hours.

2002 CONSERVATION SURVEYS AND TECHNOLOGY, 2 hours credit

Use of the farm level; mechanical methods of erosion control including terracing and farm pond planning. Lecture 1 hour, laboratory 2 hours.

3122 AGRICULTURAL CONSTRUCTION SKILLS AND PROCESSES, 2 hours credit

Fundamental principles and basic skills in Agricultural Mechanics, including wood construction, concrete, masonry, power, tools, numbering and plan reading. Lecture 1 hour/laboratory 3 hours. Prerequisites: Junior standing or permission of instructor.

3152 ELECTRICITY IN AGRICULTURE, 2 hours credit

Electricity applied to the farm and rural home including farmstead distribution and use and National Electrical Code requirements. Laboratory activities include simple circuits, practical wiring, home wiring, planning, electric motors, water systems and controls. Lecture 1 hour/laboratory 2 hours. Prerequisites: MATH 1213 or equivalent.

3172 MECHANIZED FEED HANDLING, 2 hours credit

The planning and selection of feed and grain handling systems for agricultural production and processing agricultural products including functional, environmental and structural requirements. Laboratory activities include materials selection, farmstead and feedlot layouts. Lecture 1 hour/laboratory 3 hours. Prerequisites: MATH 1213 or equivalent.

4203 DRAINAGE AND IRRIGATION PRINCIPLES, 3 hours credit

Sources, measurement and efficient use of irrigation water. Selection to pumping plants and power units. Layout and management of irrigation systems. Lecture 2 hours, laboratory 2 hours. Prerequisites: MATH 1213 or equivalent and AG MEC 2002.

3222 AGRICULTURAL MECHANICS SKILLS, 2 hours credit

Subject matter and skills used in teaching agricultural mechanics. Lecture 1 hour, laboratory 1 hours. Prerequisites: Junior standing or permission of instructor.

4222 METHODS OF TEACHING AGRICULTURAL MECHANICS, 2 hours credit

Organization and methods in teaching agricultural mechanics, conducting demonstrations, teaching operational skills, organizing instruction, and planning facilities. Lecture 2 hours. Prerequisite: AG MEC 3222.

4702 TRACTOR PRINCIPLES, 2 hours credit

The principles, operation, performance, maintenance and management of tractors. Gasoline and diesel engines will be studied. Laboratory activities involve engines, power trains, hydraulic systems, electrical systems and tractor performance. Laboratory 4 hours. Prerequisite: Junior standing or permission of instructor.

4802 MACHINERY MANAGEMENT AND SYSTEMS PLANNING, 2 hours credit

Identification and utilization of variables in agricultural production systems. Determination of optimum size and combinations of equipment layout and selection of equipment for efficient production. Lecture 2 hours. Prerequisite: AG MEC 4702.

AGRONOMY (AGRON)

3214 FORAGE, RANGE, AND PASTURE CROPS, 4 hours credit

Principles and applications in relation to production management, utilization, and improvement. Lecture 3 hours, laboratory 2 hours. Prerequisites: AGRIC 1214 and junior standing.

3434 SOIL MORPHOLOGY, GENESIS, AND CLASSIFICATION, 4 hours credit

Taxonomy of Soils. A study of the internal differentiating characteristics of soils and their causal processes; the U. S. comprehensive system of soil classification; soil survey techniques. Lecture 3 hours/Laboratory 2 hours. Prerequisites: AGRIC 2124 and Junior standing.

3683 SOIL PHYSICAL PROPERTIES, MANAGEMENT, AND CONSERVATION, 3 hours credit

Identification, description, maintenance and management of soil physical properties that affect plant growth. Management and conservation of soil resources. Lecture 2 hours, laboratory 2 hours. Prerequisite: AGRIC 2124.

4123 PRINCIPLES OF PLANT PHYSIOLOGY, 3 hours credit

Functions, nutrition, metabolism, and development of higher plants, including water relations, photosynthesis, respiration and growth. Lecture 3 hours. Prerequisite: AGRIC 1214 or BOT 1114.

4124 PESTICIDES, 4 hours credit

Identification, distribution, characteristics, and methods of controlling pests. Lecture 3 hours, laboratory 2 hours. Prerequisites: CHEM 3345 and BIOL 3024.

4234 SOIL FERTILITY AND MANAGEMENT, 4 hours credit

Mineral nutrition of plants grown in soil. Soil forms of elements essential for plant growth, factors affecting their availability to higher plants, and their chemical/biological transformations in the soil. Evaluation of soil fertility; fertilizer manufacture and use. Lecture 3 hours, laboratory 2 hours. Prerequisites: AGRIC 2124 and CHEM 3345.

4674 GRAIN CROPS, 4 hours credit

Principles of grain crop production, distribution, classification, and the improvement of grain crops. Lecture 3 hours, laboratory 2 hours. Prerequisites: BOT 1114, BIOL 2003 and senior standing.

ANIMAL SCIENCE (ANIM S)

3102 LIVESTOCK EVALUATION, 2 hours credit

Instruction in selection, evaluating, fitting, showing, and judging of livestock. Laboratory 4 hours.

3112 ADVANCED LIVESTOCK EVALUATION, 2 hours credit

This course is a continuation of Animal Science 3102. Laboratory 4 hours. Prerequisite: ANIM S 3102.

3133 BREEDS OF LIVESTOCK, 3 hours credit

Study of the origin, history, development and characteristics of livestock breeds and of the specific purposes of each breed. Lecture 3 hours. Prerequisite: AGRIC 1124.

3653 APPLIED NUTRITION, 3 hours credit

Composition, characteristics and nutritive value of feeds and ration additives, qualitative and quantitative nutrient requirements of each of the classes of livestock, formulation of rations for each of the classes of livestock. Lecture 2 hours, laboratory 2 hours. Prerequisites: CHEM 3345 and AGRIC 1123.

4113 BEEF CATTLE SCIENCE, 3 hours credit

Application of scientific principles and recent advances to the production, feeding, breeding, management, and marketing of commercial and purebred cattle. Lecture 2 hours, laboratory 2 hours. Prerequisites: ANIM S 3653, 4434, and senior standing.

4123 SWINE SCIENCE, 3 hours credit

The application of genetics, physiological, nutritional and engineering principles to the efficient production of swine. Swine evaluation and marketing. Lecture 2 hours, laboratory 2 hours. Prerequisite: ANIM S 3653, 4434, and senior standing.

4133 SHEEP SCIENCE, 3 hours credit

Breeding, feeding, management, and marketing of commercial and purebred sheep. Lecture 2 hours, laboratory 2 hours. Prerequisites: ANIM S 3653, and 4434.

4333 PHYSIOLOGY OF DOMESTIC ANIMALS, 3 hours credit

The comparative physiology of digestion, circulation, production, reproduction and environment of farm animals. Lecture 3 hours. Prerequisites: CHEM 3345 and 4 hours biological science.

4423 LIVESTOCK DISEASES AND SANITATION, 3 hours credit

The recognition and study of common diseases and parasitic infestations together with their prevention and control in domestic animals. Lecture 3 hours. Prerequisite: AGRI 1124.

4434 ANIMAL REPRODUCTION, 4 hours credit

Physiological processes of reproduction in farm animals, gonadal function, endocrine relationships, fertility, and factors affecting reproduction efficiency. Emphasis is given to principles of artificial insemination in the laboratory. Lecture 3 hours, laboratory 2 hours. Prerequisite: BIOL 2003 or BIOL 4004.

HORTICULTURE (HORT)**2102 HORTICULTURAL SCIENCE, 2 hours credit**

Study of the science and practices underlying the occupational areas in horticulture, including a survey of structures, equipment, growing media, production techniques, and marketing techniques which relate to the specialized career areas in the horticulture industry. Lecture 2 hours. Prerequisite: BOT 1114.

3112 IDENTIFICATION AND USE OF ORNAMENTAL PLANTS, 2 hours credit

An in-depth study of the landscape uses and characteristics of trees, shrubs, vines, and ground covers. Emphasis on identification, ornamental value, growth habits, landscape uses and limitations of various plants. Identification and uses of some herbaceous and exotic plants will be included. Lecture 1 hour, laboratory 2 hours. Prerequisites: BOT 1114 and HORT 2102.

3213 PROPAGATION OF ORNAMENTAL PLANTS, 3 hours credit

The investigation of sexual and asexual methods for propagating ornamental plants. Special emphasis on practical applications of propagating plants, from seeds and cuttings and by grafting, budding, and layering techniques. Lecture 2 hours, laboratory 2 hours. Prerequisite: AGRIC 1214 and HORT 2102.

4204 GREENHOUSE PRODUCTION, 4 hours credit

Examines practices related to the production of major floricultural crops. Consideration of production requirements, environmental management, cultural techniques, and business procedures which affect the production of greenhouse crops. Lecture 3 hours, laboratory 2 hours. Prerequisites: HORT 3213 and HORT 2102.

4313 NURSERY OPERATIONS AND PRODUCTION, 3 hours credit

A study of the nursery industry including container and field production of landscape plants. Emphasis on soil and media selections, use of fertilizers, pest control, control of plant environments and development of watering systems. Grading and selection of plants, nursery organization and scheduling, and marketing techniques will be included. Lecture 2 hours/laboratory 2 hours. Prerequisites: HORT 3213, 3112, and AGRIC 2124.

4413 LANDSCAPE DESIGN, 3 hours credit

The development of landscape designs and plans. Emphasis on landscape analysis, small landscape plans, effective use of plant materials and structural features in the landscape. Lecture 1 hour, laboratory 4 hours. Prerequisites: HORT 3112, AG MECH 2002, and DRAFT 1013.

4453 LANDSCAPE DEVELOPMENT AND MAINTENANCE, 3 hours credit

Landscape development and maintenance operations with emphasis on the planting and care of plants and turf areas in small scale landscapes. Lecture 2 hours, laboratory 2 hours. Prerequisites: HORT 2102 and AGRIC 2124.



B DEPARTMENT OF BIOLOGICAL SCIENCES

CHAIRMAN - Robert Ziegler, Assistant Professor

Professors: Cooper, Epperson, Netherland, Tyler

Associate Professors: Duggins, H. Hopkins

Assistant Professors: Behr, Orr

The Department of Biological Sciences offers programs leading to the Bachelor of Science degree with majors in Biology and Medical Technology.

BACHELOR OF SCIENCE DEGREE MAJOR IN BIOLOGY

- I. GENERAL EDUCATION REQUIREMENT 50 hours
 Chemistry 1015 or CHEM 1364/1361 and
 CHEM 1225 or CHEM 1474/1471; BIOL 1034 or
 ZOOL 1124 or BIOL 2024 or BIOL 4004;
 GEOL 1015 or GEOL 1024; PHYS 1115 and
 PHYS 1125 are required for students
 planning to teach
- II. MAJOR 36 hours
 - Required Courses** 16 hours
 BOT 1114 General Botany
 ZOOL 1114 General Zoology
 BIOL 2001 Genetics Laboratory
 BIOL 2003 Principles of Genetics
 BIOL 3064 General Ecology
 or BIOL 4094 Limnology
 - Electives** 20 hours
 (Biological Science electives to complete the major.)
- III. MINOR 18 hours
- IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

Teacher Licensure/Certification

Cameron University offers a program leading to licensure/certification in Science. Degree requirements are not necessarily identical with certification requirements. Consult the Teacher Certification Catalog and your departmental advisor for details about certification.

BACHELOR OF SCIENCE DEGREE MAJOR IN MEDICAL TECHNOLOGY

The program consists of three academic years of coursework at Cameron (listed below) and a year of work under the direction of hospital personnel at any hospital approved by the National Accrediting Agency for Clinical Laboratory Science.

- I. GENERAL EDUCATION REQUIREMENT 50 hours
 Must include CHEM 1015 General Chemistry or CHEM 1364
 General Chemistry/CHEM 1361 General Chemistry Laboratory,
 BOT 1114 General Botany and MATH 1513 College Algebra.
- II. MAJOR 62 hours
- Biology** 16 hours
 ZOOL 1114 General Zoology
 BIOL 4004 Physiology
 BIOL 2124 Microbiology
 BIOL 3094 Immunology
- Chemistry** 16 hours
 CHEM 1225 General Chemistry
 or CHEM 1474 General Chemistry
 and CHEM 1471 General Chemistry Laboratory
 CHEM 2112 Theory of Chemical Analysis
 CHEM 2223 Quantitative Analysis
 CHEM 3345 Organic Chemistry
 Approved Electives
- Medical Technology** 30 hours
 Completed at school of Medical Technology
- III. APPROVED ELECTIVES 16 hours
 Electives must be selected and approved from
 advanced Biology courses, advanced Chemistry
 courses, Physics or Mathematics courses.
- IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR
 GRADUATION.

COURSES

BIOLOGY (BIOL)

1005 GENERAL BIOLOGY, 5 hours credit

Laboratory centered course offered each semester. One cell animals to complex animals, including man; one cell plant to multicellular plants. The economic value of the study of the biological world as it pertains to man, his problems, his progress as well as his place in society is a foremost factor in this course. Not applicable on Biology major or minor. Lecture and laboratory 5 hours.

1034 HUMAN PHYSIOLOGY, 4 hours credit

Fundamental concepts and principles which serve as a foundation for understanding human physiology. Information which complements clinical aspects of medically related areas. Laboratory experiences which demonstrate physiological functions. Lecture 3 hours, laboratory 2 hours. Prerequisite: Departmental permission. Not applicable on Medical Technology or Biology major. Will not satisfy General Education requirements.

2001 GENETICS LABORATORY, 1 hour credit

Laboratory to accompany BIOL 2003. Experiments with fruit flies, bacteria, corn, and enzymes to verify and elucidate the theory. Laboratory 2 hours.

2003 PRINCIPLES OF GENETICS, 3 hours credit

A general course in the fundamental principles of heredity with emphasis on human genetics. Lecture 3 hours. Prerequisite: BOT 1114 or ZOOL 1114.

2024 COMPARATIVE VERTEBRATE ANATOMY, 4 hours credit

Morphological comparisons of the vertebrate classes with emphasis on evolutionary relationships of major systems. The course will fulfill the needs of pre-professionals and biology majors. Lecture 3 hours, laboratory 6 hours. Prerequisites: ZOO 1114.

2034 BACTERIOLOGY, 4 hours credit

A general course in microbiology stressing techniques and applied theory. Lecture 3 hours, laboratory 3 hours.

2044 BIOLOGICAL TECHNIQUES, 4 hours credit

Theoretical and practical considerations of laboratory skills required for biological experimentation and medical technology. Lecture 3 hours, laboratory 3 hours. Prerequisites: 8 hours of Biological Science.

2121-2 SPECIAL STUDIES, 1-2 hours credit

Selected topics in biology which may include lecture, laboratory and/or field trips.

2124 MICROBIOLOGY, 4 hours credit

A beginning course in microbiology emphasizing the molecular concepts of the biochemistry, physiology and genetics of bacteria. Also includes a survey of the kingdom. Laboratory experience provides data supporting the theory. Lecture 3 hours, laboratory 3 hours.

3004 PHYCOLOGY, 4 hours credit

Morphology, classification and ecology of the fresh water algae. Lecture 3 hours, laboratory 3 hours and field trips. Prerequisite: BOT 3124.

3013 ENVIRONMENT AND MAN, 3 hours credit

Designed for nonbiologists. Principles of ecology and their application to such problems as pollution, human population growth and land use planning. The interdependence of fields of human endeavor affecting the environment. Lecture, discussion and local field trips. Not applicable on Biology major or minor. Prerequisites: One course in Biological Science.

3024 GENERAL ENTOMOLOGY, 4 hours credit

Structure, life history, habit and recognition of common insects. Lecture 3 hours, laboratory 3 hours, field trips. Prerequisite: ZOO 1114.

3034 GENERAL EMBRYOLOGY, 4 hours credit

The development of the vertebrate body from gametogenesis through early organ formation. Primary emphasis on development of fish, frog, chick and pig. Lecture 3 hours, laboratory 3 hours. Prerequisite: ZOO 1114.

3044 EVOLUTION, 4 hours credit

Historical development of evolutionary concepts. Theories to account for speciation, evolutionary mechanisms and phylogenetic relationships. Lecture 3 hours, laboratory 3 hours. Prerequisites: BIOL 2003 or permission.

3054 PLANT TAXONOMY, 4 hours credit

Classification of flowering plants with emphasis on the flora of the area. Lecture 3 hours, laboratory 3 hours, and field trips. Prerequisite: BOT 1114.

3064 GENERAL ECOLOGY, 4 hours credit

General principles of biotic and abiotic interrelationships including sampling techniques, productivity, energy flow, interspecific association and biomes. Field trips arranged. Lecture 3 hours, laboratory 3 hours. Prerequisites: BOT 1114 and ZOO 1114.

3074 NATURAL HISTORY OF THE VERTEBRATES, 4 hours credit

Ecology, taxonomy and life histories of vertebrates. Lecture 3 hours, laboratory 3 hours. Field trips arranged. Prerequisite: ZOO 1114.

3084 ORNITHOLOGY, 4 hours credit

Identification, ecology, distribution and population dynamics of birds, with emphasis on locally occurring species. Family and ordinal characters are stressed. Lecture 3 hours, laboratory 3 hours. Field trips arranged. Prerequisite: ZOO 1114 or permission.

3094 IMMUNOLOGY, 4 hours credit

Nature and mechanisms of natural and acquired resistance including humoral and cellular immunity. Characteristics of antigens and antibodies and of their interaction; transplantation reactions and hypersensitivities. Lecture 3 hours, laboratory 3 hours. Prerequisites: BIOL 2003 and CHEM 1225.

3104 LABORATORY AND FIELD BIOLOGY FOR ELEMENTARY TEACHERS, 4 hours credit

Designed for elementary majors. Emphasis on biology as a science and application to local organisms. Lecture, discussion, experiments, laboratory and local field trips. Not available to biology majors. Prerequisite: One course in biological science.

3114 MAMMALOLOGY, 4 hours credit

Methods of collection and preservation. Classification, life histories, and distribution of mammals. Lecture 3 hours, laboratory 3 hours. Field trips arranged. Prerequisite: ZOO 1114 or permission.

3124 HISTOLOGY, 4 hours credit

Structure of animals at tissue and organ levels with emphasis on recognition and function of mammalian tissues and organs. Lecture 3 hours, laboratory 3 hours. Prerequisite: ZOO 1114. BIOL 2024 is recommended.

4004 PHYSIOLOGY, 4 hours credit

General Physiology. Homeostatic mechanisms of organ systems including cellular respiration and energy transfer. Lecture 3 hours, laboratory 3 hours. Prerequisites: ZOO 1114 and CHEM 3324. CHEM 4403 is recommended.

4014 HERPETOLOGY, 4 hours credit

Taxonomy, distribution, natural history of amphibians and reptiles with emphasis on local forms. Techniques of collection and preservation. Lecture 3 hours, laboratory 3 hours. Field trips arranged. Prerequisite: ZOO 1114.

4024 ICHTHYOLOGY, 4 hours credit

Taxonomy, morphology and ecology of fishes, with emphasis on those of the area. Field trips. Lecture 3 hours, laboratory 3 hours. Prerequisite: ZOO 1114.

4044 CYTOLOGY, 4 hours credit

A general course in the study of cell structure and function. Microscopic and cytochemical techniques will be presented in the laboratory. Lecture 3 hours, laboratory 3 hours. Prerequisite: BOT 1114 and ZOO 1114.

4054 VASCULAR AQUATIC PLANTS, 4 hours credit

Taxonomy and ecology of the fresh water vascular plants. Lecture 3 hours, laboratory 3 hours and field trips. Prerequisite: BOT 1114.

4064 ADVANCED ECOLOGY, 4 hours credit

Ecological principles as related to population dynamics, ecosystems, effects of radiation and pollution. Emphasis on production, energy flow, and cycling within ecosystems. Lecture 3 hours, laboratory 3 hours. Field trips arranged. Prerequisite: BIOL 3064.

4084 COMPARATIVE ETHOLOGY, 4 hours credit

Behavioral adaptations of diverse animal species. Emphasis is placed on the ecological, physiological, and evolutionary aspects of behavior. Lecture 3 hours, laboratory 3 hours. Prerequisite: ZOO 1114 or permission.

4094 LIMNOLOGY, 4 hours credit

An introduction to the biological, chemical, and physical features of freshwater lakes, ponds, and streams, with emphasis on methods. Lecture 3 hours, laboratory 3 hours, field trips. Prerequisites: CHEM 1015 and ZOO 1114.

4104 HISTORY AND LITERATURE OF BIOLOGY, 4 hours credit

The development of biological science through the classical and modern periods. The use of the library as a research tool, and familiarization with library resources. Lecture 3 hours, laboratory-library 3 hours. Prerequisite: 8 hours of Biological Science.

4121-4 SPECIAL STUDIES, 1-4 hours credit

Term paper and oral examination required. Laboratory may be required. Prerequisite: 8 hours of Biological Science.

4772 TEACHING OF BIOLOGY, 2 hours credit

Methods and materials in secondary education. Lecture 2 hours. Prerequisite: Approval of instructor and advisor. Taught during spring semester only. Teacher Certification Students must be admitted to teacher education prior to enrollment in this course.

BOTANY (BOT)**1114 GENERAL BOTANY, 4 hours credit**

An introduction to the structure, life process and reproduction of the seed-bearing plants and their relations to the environment. Lecture 3 hours, laboratory 2 hours.

3124 GENERAL BOTANY II, 4 hours credit

Plant Kingdom. A survey of the entire plant kingdom from the simplest to the highest seed-bearing plants stressing life histories, relationships, origin and evolution of the plant kingdom. Lecture 3 hours, laboratory 2 hours. Prerequisite: BOT 1114.

4123 PRINCIPLES OF PLANT PHYSIOLOGY, 3 hours credit

Functions, nutrition, metabolism, and development of higher plants, including water relations, photosynthesis, respiration and growth. Prerequisite: AGRIC 1214 or BOT 1114.

MEDICAL TECHNOLOGY (MED TECH)**4117 CLINICAL MICROBIOLOGY, 7 hours credit**

The theory and laboratory study of pathogenic bacteria, viruses, rickettsiae, fungi and parasites. Includes isolation, identification, antimicrobial susceptibility testing, and medical significance. Departmental permission required. Lecture/laboratory.

4125 CLINICAL CHEMISTRY, 5 hours credit

The theory and laboratory methodology of analytical biochemistry, clinical microscopy, routine and special procedures and medical significance. Departmental permission required. Lecture/laboratory.

4236 CLINICAL HEMATOLOGY, 6 hours credit

Systematized study of disease and abnormal derivation, maturation and function, principles of hemostasis; methodology used in routine and special hematology studies; and correlation of hematological findings with physiological conditions. Departmental permission required. Lecture/laboratory.

4246 CLINICAL IMMUNOLOGY, 6 hours credit

The theory of immunologic responses and procedures used in serological determinations; the study of immunohematology, fundamentals of antigen-antibody reactions, blood groups and types, compatibility testing, blood components, and the laboratory methods used as they related to the medical significance of immunology and infectious disease. Departmental permission required. Lecture/laboratory.

4325 CLINICAL CHEMISTRY II, 5 hours credit

The theory and laboratory methodology of analytical biochemistry, instrumentation, and lab mathematics, routine and special procedures and medical significance. Departmental permission required. Lecture/laboratory.

4351 TOPICS IN MEDICAL TECHNOLOGY, 1 hour credit

Principles and practices of the medical laboratory including basis management, special education methodology, and special projects in selected areas. Departmental permission required. Lecture/laboratory.

ZOOLOGY (ZOO)**1114 GENERAL ZOOLOGY, 4 hours credit**

A survey and classification of the animal kingdom stressing the animals from the simple to the complex; to develop an appreciation of animal life as it relates to human understanding and welfare. Lecture 3 hours, laboratory 2 hours.

1124 HUMAN ANATOMY AND PHYSIOLOGY, 4 hours credit

Introductory Anatomy and Physiology. Emphasis on homeostatic mechanisms, histology, and gross anatomy. Nervous system and endocrines, skeletal and connective tissue framework, muscles and energy transfer, circulation and respiration, digestion, reproduction and prenatal development. Lecture 3 hours, laboratory 2 hours. Prerequisite: Department permission. Not applicable on Medical Technology or Biology major. Will not satisfy General Education requirements.

3014 INVERTEBRATE ZOOLOGY, 4 hours credit

Morphology, taxonomy, natural history, and evolutionary relationships of the invertebrates. Lecture 3 hours, laboratory 3 hours. Prerequisite: ZOO 1114.



N DEPARTMENT OF NURSING

CHAIRMAN - Donna Bellovics, Associate Professor

Assistant Professors: Jones, McSweeney

Instructors: Brown, Burtnett, Dole, Dulin, Worthington

Purpose

The Associate Degree Nursing Program provides an instructional program in technical education to prepare students for the practice of nursing in a variety of settings. Students completing the program receive an Associate of Science Degree from the university and are eligible to take the NCLEX for registered nurse licensure.

Accreditation

The program is approved by the Oklahoma Board of Nurse Registration and Nursing Education. It is also accredited by North Central Accreditation Association and the National League for Nursing.

Admission Requirements

Admission to Cameron University is a prerequisite to admission to the Department of Nursing; admission to Cameron University does not, however, assure admission to the program in nursing. In addition to the admission requirements of Cameron University, the student must meet the following requirements:

High school graduate or equivalent - upper half of high school graduating class (if within last five years).

Two years of math, including Algebra II, passed with C or above.

Two years of science, including chemistry, passed with C or above. (Both math and chemistry courses, if not taken during high school must be completed before beginning any nursing courses.)

Forty-fifth percentile or above on ACT (ACT not required of persons who have been out of high school more than five years).

Minimum GPA of 2.5 on a 4.0 scale is required on high school, nursing school and college transcripts.

All applicants will be evaluated individually with assistance of personal interview.

Procedures for Admission

1. Call the Department of Nursing and request appointment for initial processing of information.
2. Initial letter requesting you to call for personal interview is mailed the first week in November.
3. Applicants are responsible for bringing current transcripts (high school and college) to the personal interview to be placed in the nursing application file.
4. Deadline for applications is the last week in January.

5. Letters of acceptance are mailed during the last week of February.
6. Completion of prerequisite courses, final grades, and/or overall GPA will be validated by department chairperson before full acceptance letter is sent to applicants.
7. Those admitted to the nursing program will be required to complete a dental and physical examination. Forms are included in the acceptance letter.

Curriculum Plan

First Year

First Semester

Nursing 1013.....	3
Nursing 1023.....	3
Biology 1034.....	4
English 1113.....	3
Psychology 1113	3
	16

Second Semester

Nursing 1035.....	5
Nursing 1045.....	5
Zoology 1124.....	4
Sociology 1113	3
	17

Second Year

First Semester

Nursing 2015 &.....	5
Nursing 2025.....	5
or	
Nursing 2035 &.....	5
Nursing 2045.....	5
Bact. 2034	4
Pol. Sci. 1113	3
	17

Second Semester

Nursing 2035 &.....	5
Nursing 2045.....	5
or	
Nursing 2015 &.....	5
Nursing 2025.....	5
Nursing 2302.....	2
Hist. 1483 or 1493	3
Elective.....	3
	18

(Minimum of 68 hours necessary to meet Oklahoma Board of Nursing Registration & Nursing Education requirements.)

Any of the general education courses required may be taken before entering the nursing program.

All nursing courses with the exception of Nursing 2302 are 8 weeks in length. Nursing 2302 is 16 weeks in length.

General Information

All students must maintain a 2.0 overall average (C) and must achieve grades of C or above in all nursing courses and required biological sciences for the purposes of retention, progression and graduation. A student receiving a grade of less than 73% in the clinical laboratory portion of a nursing course and/or theory, cannot receive a satisfactory grade (C) in that nursing courses.

Students who receive grades of less than "C" twice in any of the required nursing courses will be dismissed from the nursing program. Students receiving a grade of less than a "C" as well as a "W" or "WF" may have only one repeated enrollment in that course.

Students must maintain a cumulative overall GPA of 2.0 or above on a 4.0 scale. Students failing to maintain at least a 2.0 overall GPA

will be placed on probation in the nursing program for one semester. If, at the end of the probation semester, the overall GPA is not 2.0 or above the student will be dismissed from the nursing program.

Students who fail to meet academic requirements of Nursing 1013 or 1023 and wish to repeat must wait one year before re-enrolling in those courses. He/she cannot enroll in other nursing courses during this time but may enroll in supportive courses if desired. Courses in nursing or the required biological sciences may be repeated only once.

Second year students who fail to meet minimum standards in a nursing course may continue in other nursing courses. The time when students may repeat courses will be determined on an individual basis, keeping in mind factors such as prerequisites, space in class, etc.

Any two failures in meeting minimum standards in courses required for the nursing major will be cause for dismissal from the nursing program.

A student's enrollment in the nursing program may be discontinued at any time, if, in the opinion of the faculty of the Nursing Department and documented to that effect, that the student is not suitable for a nursing career.

Students must provide their own transportation to clinical agencies and are required to purchase student nurse liability insurance.

Re-Admission Requirements

Students are considered for re-entry once. Students returning to the nursing program without consecutive learning and incur a lapse of more than one year in the program of learning will be assessed additional cost of testing to ascertain placement level of re-entry.

Advanced Standing

Students who have completed accredited practical nursing programs or a minimum of 6 credits in nursing courses from another accredited school of nursing may apply to challenge Nursing 1013 or 1023 after acceptance to the Department of Nursing in accordance with current criteria.

Cameron University does not discriminate on the basis of race, color, religion, sex, national origin, handicap or age in the recruitment and admission of students, the recruitment and employment of faculty and staff, or the operation of its educational programs and activities as specified by federal laws and regulations.

COURSES

NURSING (NURS)

1013 FUNDAMENTALS, 3 hours credit

This course is designed to develop student understanding of the nursing process and nursing skills as they relate to homeostasis and those alterations from homeostasis caused by adaptation as it relates to basic human needs. The focus is on understanding of needs and the rendering of skills based on those needs. Lecture 4 hours, laboratory 6 hours. Prerequisites: admission to the Associate Degree Nursing Program.

1023 HEALTH ASSESSMENT THROUGH LIFE SPAN, 3 hours credit

This course is designed to develop student understanding and utilization of the nursing process as they relate to health needs in homeostasis and adaptation to stress throughout the life span. The focus is on growth and development, health assessment of physical, physiological and psychosocial needs and rendering of care to assist the individual to meet needs he/she is unable to meet himself/herself. Lecture 4 hours, laboratory 6 hours. Prerequisite: NURS 1013 with grade of C or above.

1035 LONG TERM MEDICAL-SURGICAL NURSING, 5 hours credit

This course focuses on application of the nursing process to clients with long term health disruptions. Lecture 6 hours, laboratory 12 hours. Prerequisite: NURS 1023 with grade of C or above.

1045 PSYCHIATRIC NURSING, 5 hours credit

This course is designed to further the student's understanding and utilization of the nursing process to meet the mental health needs of clients experience acute and/or chronic mental health problems. Lecture 6 hours, laboratory 12 hours. Prerequisite: NURS 1023 with grade of C or above.

2015 ACUTE MEDICAL-SURGICAL NURSING, 5 hours credit

This course is designed to further develop the student's understanding and utilization of the nursing process and nursing skills to meet the needs of individuals and groups of patients in an acute care facility with deficiencies of perfusion, oxygenation, perception and coordination. Lecture 6 hours, laboratory 12 hours. Prerequisite: NURS 1035, 1045, BIOL 1034 and ZOO 1124 with grades of C or above.

2025 ACUTE MEDICAL-SURGICAL NURSING, 5 hours credit

Emphasis in this course is on the utilization of the nursing process and nursing skills to provide care to groups of clients with deficiencies of metabolism and fluid-electrolyte balance. Lecture 6 hours, laboratory 12 hours. Prerequisites: NURS 1035, 1045; BIOL 1034 and ZOO 1124 with grades of C or above.

2035 MATERNAL-NEWBORN NURSING, 5 hours credit

This course is designed to develop student understanding and utilization of the nursing process as related to the concepts and principles of maternal-newborn health care. The focus is on the needs of the normal pregnant individual from the time of conception through the post partum period and the influence of the pregnancy on the total family structure. Lecture 6 hours, laboratory 12 hours. Prerequisites: NURS 1035, 1045; BIOL 1034 and ZOO 1124 with grades of C or above.

2045 NURSING OF CHILDREN, 5 hours credit

This course is designed to develop student understanding and utilization of the nursing process and skills as they relate to the health needs and common illnesses of children from infancy through adolescence. Lecture 6 hours. Laboratory 12 hours. Prerequisites: NURS 1035, 1045; BIOL 1034 and ZOO 1124 with grades of C or above.

2302 NURSING SEMINAR, 2 hours credit

The career aspects of nursing are explored on a seminar basis with the focus for discussion topics on successful functioning as a registered nurse. Lecture 2 hours. Prerequisite: Enrollment in second year nursing classes.

P DEPARTMENT OF
PHYSICAL SCIENCE

CHAIRMAN - Ira Hawk, Professor

Professors: Crane, Finke, Harwood, Nalley, Snider, Stanton, Vowell

Assistant Professors: Koll, Hormann

The Department of Physical Science offers programs leading to the Bachelor of Science degree with majors in Chemistry, Natural Science and Physics.

BACHELOR OF SCIENCE DEGREE MAJOR IN CHEMISTRY

- I. GENERAL EDUCATION REQUIREMENT 50 hours

Must include:

PHYS 1115 Physics I or Physics 2015 Physics I

for Science and Engineering Majors

PHYS 1215 Physics II or Physics 2025 Physics II

for Science and Engineering Majors

- II. MAJOR Minimum of 36 hours

Required Courses 25 hours

CHEM 1015 & 1225 General Chemistry

or CHEM 1364, 1361, 1474 & 1471

General Chemistry

CHEM 2112 Theory of Chemical Analysis

CHEM 2222 Qualitative Analysis

or CHEM 3333 Chemistry of Water and Waste

or CHEM 3343 Organic Analysis

or CHEM 4024 Instrumental Methods of Analysis

CHEM 2223 Quantitative Analysis

CHEM 3314 Organic Chemistry

CHEM 3324 Organic Chemistry

Concentration 8 hours

Majors must complete one of the following concentrations.

It is recommended that students wishing to become

professional chemists take the Physical Chemistry

concentration.

Physical Chemistry

CHEM 4353 Physical Chemistry I

CHEM 4351 Physical Chemistry Laboratory

CHEM 4363 Physical Chemistry II

CHEM 4361 Physical Chemistry Laboratory

Biochemistry

CHEM 4403 Biochemistry I

CHEM 4401 Biochemistry Laboratory

CHEM 4413 Biochemistry II

CHEM 4411 Biochemistry Laboratory

- Electives** 3-5 hours
(Chemistry electives to complete the requirements for the major)
- III. MINOR..... 18 hours
It is strongly recommended that the student select a minor from the fields of Biology, Mathematics or Physics.
- IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

Teacher Licensure/Certification

Cameron University offers a program leading to licensure/certification in Science. Degree requirements are not necessarily identical with certification requirements. Consult the Teacher Certification Catalog and your departmental advisor for details about certification.

BACHELOR OF SCIENCE DEGREE MAJOR IN PHYSICS

- I. GENERAL EDUCATION REQUIREMENT 50 hours
- II. MAJOR 43 hours

Required Courses 31 hours

PHYS 1115 Physics I or Physics 2015 Physics I
for Science and Engineering Majors

Physics 1215 Physics II or Physics 2025 Physics II
for Science and Engineering Majors

PHYS 3003 Modern Physics I

PHYS 3011 Modern Physics I Laboratory

PHYS 3024 Electrical Measurements and Electronics

PHYS 3031 Electrical Measurements and Electronics Laboratory

PHYS 3303 Mechanics

PHYS 3403 Heat and Thermodynamics

PHYS 4113 Electricity and Magnetism

PHYS 4403 Light

Required Electives 12 hours

(A minimum of 6 semester hours must be taken from Group A Electives and 6 semester hours from Group B Electives.)

GROUP A ELECTIVES

C S 3344 Numerical Methods I

C S 3443 Numerical Methods II

MATH 2244 Math Analysis III

MATH 3253 Differential Equations

ELECT 2014 Electronic Amplifiers

ELECT 2064 Pulse and Switching Circuits

ELECT 3034 Automatic Control Systems

ELECT 3124 Electronic Principles of Computers

CHEM 2112 Theory of Chemical Analysis

CHEM 3343 Organic Analysis

CHEM 4024 Instrumental Methods of Analysis
 PHYS 3073 Microprocessors I
 PHYS 3083 Microprocessors II

GROUP B ELECTIVES

PHYS 3033 Modern Physics II
 PHYS 4452 Advanced Laboratory
 PHYS 4491-3 Special Problems
 CHEM 4353 Physical Chemistry I
 CHEM 4351 Physical Chemistry Laboratory
 CHEM 4363 Physical Chemistry II
 CHEM 4361 Physical Chemistry Laboratory
 MATH 3013 Introductory Linear Algebra
 MATH 4433 Matrix Algebra

- III. MINOR 18 hours
 (It is strongly recommended that the student select a minor from the fields of Mathematics, Chemistry, or Electronics.)
- IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

Teacher Licensure/Certification

Cameron University offers a program leading to licensure/certification in Science. Degree requirements are not necessarily identical with certification requirements. Consult the Teacher Certification Catalog and your departmental advisor for details about certification.

BACHELOR OF SCIENCE DEGREE MAJOR IN NATURAL SCIENCE

- I. GENERAL EDUCATION REQUIREMENT 50 hours
 II. MAJOR-MINOR 54 hours

Required Courses 40-43 hours

BOT 1114 General Botany
 ZOOL 1114 General Zoology
 Biology Electives (4 hours) selected from 2000 or above level courses
 CHEM 1015 & 1225 General Chemistry or 1364, 1361, 1474 & 1471 General Chemistry
 CHEM 3314 & 3324 sequence or CHEM 3345 Organic Chemistry
 PHYS 1115 Physics I or Physics 2015 Physics I for Science and Engineering Majors
 PHYS 1215 Physics II or Physics 2025 Physics II for Science and Engineering Majors
 PHYS 3003 Modern Physics

Electives 11-14 hours
 Electives must be selected such that a minimum of 24 semester hours will be earned in one of the above areas. Additional electives shall be selected from the areas of Biology, Chemistry or Physics.

III. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

Teacher Licensure/Certification

Cameron University offers a program leading to licensure/certification in Science. Degree requirements are not necessarily identical with certification requirements. Consult the Teacher Certification Catalog and your departmental advisor for details about certification.

COURSES

ASTRONOMY (ASTR)

1104 CONTEMPORARY ASTRONOMY, 4 hours credit

A one-semester survey course in astronomy. Topics include the solar system, stars, galaxies, and selected areas of astronomy. Prerequisite: At least one year of high school algebra.

CHEMISTRY (CHEM)

1004 DESCRIPTIVE CHEMISTRY, 4 hours credit

A one-semester terminal course for non-science majors. Principal concepts and theories of chemistry are critically examined from the layman's point of view. Credit earned in this course cannot be counted towards a science major or minor. This course does not fulfill chemistry requirements for pre-professional programs. Lecture 4 hours.

1015 GENERAL CHEMISTRY, 5 hours credit

A beginning course in the fundamental concepts and theories of chemistry, application of these principles to selected elements and compounds. Students who have had high school chemistry and a composite score of 18 on the ACT test *should* take Chemistry 1364 (Exception: A student with an ACT composite score of 26 or above who has not had high school chemistry *should* take Chemistry 1364.) Lecture 4 hours, laboratory 2 hours. Prerequisite: Two semesters of high school algebra or concurrent enrollment in MATH 1213.

1225 GENERAL CHEMISTRY, 5 hours credit.

A continuation of Chemistry 1015. Lecture 4 hours, laboratory 2 hours. Prerequisite: CHEM 1015.

1364 GENERAL CHEMISTRY, 4 hours credit

Principles of general chemistry, with emphasis upon theory and its application to structure and reactions. Lecture 4 hours. Prerequisite: High school chemistry and a composite score on the ACT Test of 18 or above. Students who meet these requirements must take this course. Chemistry 1361 must be successfully completed before credit is received in this course.

1361 GENERAL CHEMISTRY LABORATORY, 1 hour credit

Selected laboratory experiences to test application of chemical theory. Laboratory 2 hours. Prerequisite: CHEM 1364 or concurrent enrollment.

1474 GENERAL CHEMISTRY, 4 hours credit

A continuation of Chemistry 1364. Lecture 4 hours. Chemistry 1471 or equivalent must be successfully completed before credit is received in this course. Prerequisite: CHEM 1364.

1471 GENERAL CHEMISTRY LABORATORY, 1 hour credit

Chemical principles involved in detection of common cations and anions by semi-micro laboratory techniques (Note: Students majoring or minoring in chemistry, who take this course, will not be required to take Chemistry 2222.) Laboratory 2 hours. Prerequisite: CHEM 1361 and 1474 or concurrent enrollment.

2112 THEORY OF CHEMICAL ANALYSIS, 2 hours credit

Modern theories of solutions of electrolytes applied to analytical chemistry. Lecture 2 hours. Prerequisite: CHEM 1225 or equivalent.

2222 QUALITATIVE ANALYSIS, 2 hours credit

Analysis for common cations, anions, and acid radicals by semi-micro laboratory techniques. Lecture 1 hour, laboratory 4 hours. Prerequisite: CHEM 2112 or concurrent enrollment.

2223 QUANTITATIVE ANALYSIS, 3 hours credit

Laboratory techniques of quantitative analysis includes both volumetric and gravimetric methods. Lecture 1 hour, laboratory 6 hours. Prerequisite: CHEM 2112 or concurrent enrollment.

3314 ORGANIC CHEMISTRY, 4 hours credit

Nomenclature, structure, reactions, stereochemistry, and mechanisms of both aliphatic and aromatic compounds. Lecture 3 hours, laboratory 3 hours. Prerequisites: CHEM 1474 and 1471 or equivalent.

3324 ORGANIC CHEMISTRY, 4 hours credit

A continuation of Chemistry 3314. The second semester of a two-semester sequence. Lecture 3 hours, laboratory 3 hours. Prerequisite: CHEM 3314.

3333 CHEMISTRY OF WATER AND WASTE, 3 hours credit

Inorganic chemistry of natural water supplies, pollution and water treatment. Lecture 1 hour, laboratory 6 hours. Prerequisite: CHEM 2112.

3343 ORGANIC ANALYSIS, 3 hours credit

Characterization, derivation, and identification of unknowns consisting of one or more organic compounds. Instrumental methods of analysis as applied to the identification of organic compounds, including practical laboratory work with IR, NMR, GLC, and TLC. Lecture 1 hour, laboratory 6 hours. Prerequisite: CHEM 3324 or concurrent enrollment.

3345 ORGANIC CHEMISTRY, 5 hours credit

A one-semester introduction to the fundamentals of organic chemistry and methods of preparation, reactions, and uses of cyclic, acyclic, and heterocyclic compounds. Lecture 3 hours, laboratory 3 hours. Prerequisites: CHEM 1474 and 1471 or equivalent.

3544 BASIC BIOCHEMISTRY WITH PHYSICAL AND ANALYTICAL PRINCIPLES, 4 hours credit

A terminal course which completes a basic background in chemistry by emphasizing the organic, analytical and physical chemistry of compounds of interest in biology, agriculture and home economics. Basic analytical theory and fundamental thermodynamics and kinetics as applied to organic and biological molecules will be studied. Laboratory 3 hours. Prerequisite: CHEM 3345 or equivalent. May not be substituted for any chemistry major requirements.

4024 INSTRUMENTAL METHODS OF ANALYSIS, 4 hours credit

Theoretical and laboratory study of modern analytical techniques, both qualitative and quantitative with emphasis on instrument types, their components and methodology. Lecture 2 hours, laboratory 6 hours. Prerequisite: CHEM 4353.

4303 DRUGS AND THE HUMAN BODY, 3 hours credit

A course for nonscience majors designed to provide the information to establish a foundation in the knowledge of drugs widely used or abused. It provides information about the types of drugs encountered, how drugs act in the body, and how they impact on society. The course is especially recommended for education majors, both elementary and secondary and individuals who intend to select careers related to work with youth.

4333 INORGANIC CHEMISTRY, 3 hours credit

A survey of all of the elements and important compounds based on atomic structure and position in the periodic system; effect of atomic size, ionic size, and charge on the properties of elements. Prerequisite: CHEM 4353.

4343 INORGANIC CHEMISTRY II, 3 hours credit

Introduction to theoretical implications underlying bonding, stereochemistry, and other structural concepts in inorganic chemistry. Ionic, valence bond, molecular orbital, and crystal field theories. Mechanisms of reactions in solution. Prerequisite: CHEM 4333.

4353 PHYSICAL CHEMISTRY I, 3 hours credit

A fundamental course in physical chemistry, including application of thermodynamics, kinetics and theory of physical properties of matter as applied to chemical systems. Lecture 3 hours. Prerequisites: CHEM 2223, PHYS 1115 and MATH 2235.

4351 PHYSICAL CHEMISTRY LABORATORY, 1 hour credit

Apparatus, methods and calculations employed in physio-chemical measurements. Laboratory 3 hours. Prerequisite: CHEM 4353 or concurrent enrollment.

4363 PHYSICAL CHEMISTRY II, 3 hours credit

A continuation of Chemistry 4353. Lecture 3 hours. Prerequisite: CHEM 4353.

4361 PHYSICAL CHEMISTRY LABORATORY, 1 hour credit

A continuation of Chemistry 4351. Laboratory 3 hours. Prerequisite: CHEM 4363 or concurrent enrollment.

4403 BIOCHEMISTRY I, 3 hours credit

An introduction to the chemistry and metabolism of carbohydrates, lipids, and proteins. Basic concepts of biochemistry of vitamins and enzymes, biological oxidations, bioenergetics. Lecture 3 hours. Prerequisite: CHEM 3324 or departmental permission.

4401 BIOCHEMISTRY LABORATORY, 1 hour credit

Qualitative and quantitative examination of biochemical materials and reactions. Laboratory 3 hours. Prerequisites: CHEM 2223 and 4403 or concurrent enrollment.

4413 BIOCHEMISTRY II, 3 hours credit

A continuation of Biochemistry 4403. Lecture 3 hours. Prerequisite: CHEM 4403.

4411 BIOCHEMISTRY LABORATORY, 1 hour credit

A continuation of Biochemistry Laboratory 4401. Laboratory 3 hours. Prerequisites: CHEM 4401, 4413 or concurrent enrollment.

4442 CHEMICAL LITERATURE, 2 hours credit

Introduction to the library resources of chemistry. Use of the original literature, abstracts applications. Lecture 2 hours. Prerequisite: Departmental permission.

4453 ADVANCED GENERAL CHEMISTRY, 3 hours credit

A course for teachers. Reviews modern theories and concepts applicable to beginning chemistry courses. Lecture 3 hours. Prerequisite: Permission of the department.

4472 METHODS OF TEACHING PHYSICAL SCIENCES, 2 hours credit

Methods in teaching the physical sciences for secondary school. Lecture and laboratory demonstrations, 2 hours. Prerequisites: 15 hours of college chemistry and departmental permission. Teacher Certification Students must be admitted to teacher education prior to enrollment in this course.

4491-4 SPECIAL PROBLEMS IN CHEMISTRY, 1-4 hours credit

Training in independent work. Experimental investigations of an assigned problem. Laboratory 3-12 hours. Prerequisites: Senior standing and departmental permission.

GEOLOGY (GEO)**1015 PHYSICAL GEOLOGY, 5 hours credit**

Igneous, sedimentary and metamorphic rocks; results of erosion of the earth's surface by streams, oceans, winds, glaciers; phenomena of mountains, volcanoes, earthquakes and interior of the earth. Field trips. Lecture 4 hours, laboratory 4 hours.

1024 HISTORICAL GEOLOGY, 4 hours credit

Geological history of the earth as revealed in the character and fossil content of the rocks. Field trips. Lecture 3 hours, laboratory 3 hours.

PHYSICS (PHYS)**1004 DESCRIPTIVE PHYSICS, 4 hours credit**

A survey course in general physics. Topics include mechanics, heat, sound, electricity, magnetism, and modern physics. For students who wish only four semester hours of physics. Credit earned in this course cannot be counted towards a science major or minor. Lecture 4 hours.

1115 PHYSICS I, 5 hours credit

A beginning lecture and laboratory study of the fundamental principles of mechanics, heat, and sound. Lecture 4 hours, laboratory 2 hours. Prerequisite: MATH 1613 or 1715.

1215 PHYSICS II, 5 hours credit

A continuation of Physics 1115. A lecture and laboratory study of the fundamental principles of electricity, magnetism, light, and modern physics. Lecture 4 hours, laboratory 2 hours. Prerequisite: PHYS 1115.

2015 PHYSICS I FOR SCIENCE AND ENGINEERING MAJORS, 5 hours credit

A lecture-laboratory course of general physics taught with calculus. Includes topics from mechanics, heat and sound. Lecture 5 hours, laboratory 2 hours. Prerequisite: MATH 2215 or concurrent enrollment in MATH 2215.

2025 PHYSICS II FOR SCIENCE AND ENGINEERING MAJORS, 5 hours credit

A continuation of Physics 2015. Includes topics from electricity, light, and modern physics. Lecture 5 hours, laboratory 2 hours. Prerequisite: PHYS 2015.

2213 SELECTED TOPICS IN GENERAL PHYSICS, 3 hours credit

A survey treatment of the basic topics in general physics using calculus. Designed for those students who have taken the non-calculus general physics sequence as preparation for the upper division physics courses. NOT open to students with credit in PHYS 2015 or 2025. Lecture 3 hours. Prerequisites: PHYS 1215, MATH 2215.

3003 MODERN PHYSICS I, 3 hours credit

Topics in special relativity, atomic physics, and solid state physics. Lecture 3 hours. Prerequisite: MATH 2215 or concurrent enrollment in MATH 2215, PHYS 1215, or permission.

3011 MODERN PHYSICS I LABORATORY, 3 hours credit

Selected experiments in atomic and nuclear physics, such as Bragg's Law experiment, Michelson's Interferometer, Gamma Ray Spectroscopy, Hall Effect, Statistics of Data, Paramagnetic Resonance. Laboratory 3 hours. Prerequisite: PHYS 3003 or concurrent enrollment in PHYS 3003.

3024 ELECTRICAL MEASUREMENTS AND ELECTRONICS, 4 hours credit

Principles and application of dc and ac circuits analysis, measuring instruments, electron tubes, and various solid state devices. These include amplifiers, multivibrators, and oscillators. Lecture 4 hours. Prerequisites: PHYS 1215, MATH 2215, or permission.

3031 ELECTRICAL MEASUREMENTS AND ELECTRONICS LABORATORY, 1 hour credit

Construction, testing, and applications of the devices studied in Physics 3024. Laboratory 3 hours. Prerequisite: PHYS 3024 or concurrent enrollment.

3033 MODERN PHYSICS II, 3 hours credit

A review of the historical background of nuclear physics coupled with modern theories and concepts of the nucleus, elementary quantum mechanics, and an introduction to solid state theory and its applications. Lecture 3 hours. Prerequisite: PHYS 3003.

3073 MICROPROCESSORS I, 3 hours credit

Introduction to microcomputer systems, number systems, binary operations, machine coding, solid state memory, digital communication, A to D and D to A. Lecture 2 hours, laboratory 2 hours. Prerequisite: MATH 1513 or equivalent. (Some programming experience is desirable.)

3083 MICROPROCESSORS II, 3 hours credit

Advanced machine coding, multiplexing, input/output methodology, analog to digital conversion, automatic data recording, process control, system approach to microcomputer instrumentation. Lecture 3 hours. Prerequisite: PHYS 3073.

3303 MECHANICS, 3 hours credit

A vector analytical approach to the mechanics of particles, systems of particles, and rigid bodies. Lecture 3 hours. Prerequisite: MATH 3252, PHYS 1115 or permission.

3403 HEAT AND THERMODYNAMICS, 3 hours credit

Non-mechanical energy, gas thermometer and absolute temperature, heat transfer, first and second law of thermodynamics, Carnot-cycle, Otto-cycle, and statistical thermodynamics, Lecture 3 hours. Prerequisites: MATH 2235, and PHYS 1215 or permission.

4113 ELECTRICITY AND MAGNETISM, 3 hours credit

A study of electrostatic fields and potentials, dielectrics, currents, magnetic fields, and Maxwell's equations. Methods of vector calculus are introduced and used extensively. Lecture 3 hours. Prerequisites: MATH 2244 and PHYS 1215 or permission.

4403 LIGHT, 3 hours credit

A study of geometrical and physical optics. Topics include reflection, refraction, lenses, wave theory, interference, diffraction, dispersion, and polarization. Lecture 3 hours. Prerequisites: PHYS 1215 and MATH 2215.

4452 ADVANCED LABORATORY, 2 hours credit

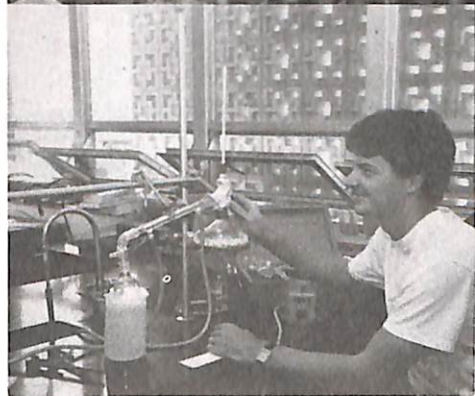
Experiments in heat, mechanics, optics, nuclear physics, and solid-state physics. Laboratory 6 hours. Prerequisite: Permission of department.

4491-3 SPECIAL PROBLEMS, 1-3 hours credit

An individual study course of advanced nature. Subject material varies with background and interests of the student, and may be either classwork or laboratory. Laboratory work will be of research quality with individual guidance from a faculty member. Prerequisites: 10 hours of College Physics and permission of department.

PHYSICAL SCIENCE (PHY SCI)**1055 GENERAL PHYSICAL SCIENCE, 5 hours credit**

A lecture-laboratory course designed for students with a non-scientific background. The course attempts to integrate the various areas of physical science into a comprehensible whole. This course is designed for non-science majors. Lecture/laboratory 5 hours, 1 hour arranged. Prerequisite: One year of high school algebra or equivalent.





DIVISION OF
SOCIAL
SCIENCES

Head, David H. Miller
Professor of History

DEPARTMENT OF HISTORY
AND
HUMANITIES

DEPARTMENT OF POLITICAL
SCIENCE

DEPARTMENT OF SOCIOLOGY

H DEPARTMENT OF HISTORY AND HUMANITIES

CHAIRMAN - Ralph Blodgett, Professor

Professors: Miller, Musslewhite, Smith

Associate Professors: Atwater, Stegmaier

Assistant Professors: Stevens, Supina

The Department of History and Humanities offers a program leading to a Bachelor of Arts degree with a major in History. The department also coordinates the Humanities offerings and advises students relative to minors in American studies, environmental studies, ethnic studies and general humanities.

BACHELOR OF ARTS DEGREE MAJOR IN HISTORY

- I. GENERAL EDUCATION REQUIREMENT 50 hours
- II. MAJOR 42 hours
- Required Courses** 15 hours
- HIST 1113 Early Western Civilization
- HIST 1123 Modern Western Civilization
- HIST 1483 United States History to 1865
or HIST 1493 United States History since 1865
(in addition to the course taken to meet the
general education requirement)
- HIST 2113 Oklahoma History
- HIST 4793 Senior Seminar in History
- Electives** 27 hours
(Chosen from each of the following areas with the
approval of the department.)
- American history courses numbered 3000 or above
(9-12 hours)
- European history courses numbered 3000 or above
(9-12 hours)
- Asian, Latin American or cognate studies above and
beyond the general education requirement (3-6 hours). A
course or courses in Asian history, Latin American history,
Economics, Geography, Political Science or Sociology, or in
any combination of these fields in which the student does
not elect to minor.
- III. MINOR..... 18 hours
The student is strongly advised to select Philosophy,
Political Science, Economics, Sociology, English or a
foreign language for the minor.
- IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR
GRADUATION.

Teacher Licensure/Certification

Cameron University offers a program leading to licensure/certification in Social Studies. Degree requirements are not necessarily identical with certification requirements. Consult the Teacher Certification Catalog and your departmental advisor for details about certification.

COURSES**HISTORY (HIST)****1113 EARLY WESTERN CIVILIZATION, 3 hours credit**

The civilizations which have contributed to the shaping of contemporary society: prehistoric civilization and the civilizations of the Near East, Greece, and Rome; the medieval church and the Protestant Reformation. Lecture 3 hours.

1123 MODERN WESTERN CIVILIZATION, 3 hours credit

Early modern times and the genesis of present civilization. The period of the rise of monarchy, individualism, and capitalism in Western Europe; the development of the Industrial Revolution in Great Britain and the political revolutions in France and other European nations; the growth of totalitarianism and its struggle with democracy. Lecture 3 hours.

1483 UNITED STATES HISTORY TO 1865, 3 hours credit

Introductory survey from European backgrounds through the Civil War. Lecture 3 hours.

1493 UNITED STATES HISTORY SINCE 1865, 3 hours credit

A survey of the development of the United States from 1865 to the present. Lecture 3 hours.

2033 AMERICAN MILITARY HISTORY, 3 hours credit

A survey of American military history from American Revolution to the present. Lecture 3 hours.

2123 OKLAHOMA HISTORY, 3 hours credit

A survey of the development of Oklahoma from the time of the discovery of America to the present. Lecture 3 hours.

2023 PERSONAL AND FAMILY HISTORY, 3 hours credit

The collection, analysis and writing of personal history within the student's own family or community. Methods of accumulating data from written, oral and visual materials will be studied, and students will write a mini-biography on some member of their family or a surrogate family. Lecture 3 hours.

3013 COLONIAL LATIN AMERICA, 3 hours credit

The development of colonial social, political, economic, and religious institutions, and their impact upon Latin America today, from discovery and exploration through the wars for independence. Lecture 3 hours.

3023 MODERN LATIN AMERICAN, 3 hours credit

A historical analysis of the forces which have shaped Latin America from the early 19th century to the present. Special attention is devoted to the revolutionary process, with Mexico and Cuba as case studies. Lecture 3 hours.

3103 THE AMERICAN FRONTIER, 3 hours credit

The Turner thesis and the significance of the westward movement in American history, with special emphasis on the Anglo-American frontier and on migration

into the Mississippi Valley. A comparison of the English, French and Spanish approaches to the frontier. Lecture 3 hours. Prerequisite: HIST 1483.

3113 THE TRANS-MISSISSIPPI WEST, 3 hours credit

Development of the Trans-Mississippi and Far Western frontiers, with special attention to the Southwest, exploration, the fur trade, Indian relations, overland migration, transportation, territorial acquisitions, mining and cattle frontiers, and the agrarian revolt. Lecture 3 hours. Prerequisites: HIST 1483 and 1493.

3153 CONTEMPORARY AMERICAN AFFAIRS, 3 hours credit

The United States in the Age of the Cold War, from the origins of the rift with Russia in the diplomacy of World War II through the crises in Korea and Vietnam. Lecture 3 hours. Prerequisites: HIST 1483 and 1493.

3233 ENGLAND TO 1689, 3 hours credit

The English people in their political, social, and institutional development from earliest times through the Glorious Revolution. Lecture 3 hours.

3243 ENGLAND SINCE 1689, 3 hours credit

Emergence of cabinet government, the Industrial Revolution, the Napoleonic era and empire problems, and the development of England to the present. Lecture 3 hours.

3343 HISTORY OF THE PLAINS INDIANS, 3 hours credit

A study of the Plains Indians, their origins, migrations, social and cultural development, and the impact of European contact and United States Indian policies. Lecture 3 hours. Prerequisite: HIST 1483 or 1493 or junior standing.

3353 AMERICAN NEGRO HISTORY, 3 hours credit

A study of the Negro in American History from the development of the slave trade through emancipation and up to the present time. Emphasis is placed upon the influence of the Negroes in the history of the United States, and upon the institutional relationships that have developed as a result of their presence in the United States. Lecture 3 hours. Prerequisites: HIST 1483 and 1493.

3373 THE ANTEBELLUM SOUTH, 3 hours credit

Cultural, economic and social history of the South from colonial times to the Civil War. Lecture 3 hours. Prerequisite: HIST 1483.

3383 THE NEW SOUTH, 3 hours credit

The political, economic and social development of the American South from 1865 to the present, with particular attention to the problems arising from changes in agriculture, the beginnings of industry and the relations between the races. Lecture 3 hours. Prerequisite: HIST 1493.

3391-3 INDEPENDENT STUDY, 3 hours credit

Intensive independent readings or study on definite problems or special historical subjects, based upon pre-approved outlines or plans, with regular conferences and with written and/or oral reports required. Prerequisites.: 18 hours of history and departmental permission. May be repeated with a different topic for a total of 6 hours credit.

4033 AMERICAN DIPLOMATIC HISTORY TO 1900, 3 hours credit

A survey of American foreign policy from the War for Independence to 1900, with emphasis on the efforts of the United States government to obtain recognition from the Continental European States, to protect and expand foreign trade, to defend neutral rights and to maintain peace. Lecture 3 hours. Prerequisites: HIST 1483 and 1493.

4043 AMERICAN DIPLOMATIC HISTORY SINCE 1900, 3 hours credit

A survey of American foreign policy from the end of the Spanish-American War to the present, with emphasis on the emergence of the United States as a world

power, the involvement of the United States in World Wars One and Two, the attempt to establish and maintain world peace and peace keeping organizations, and the place of the United States in an interdependent world. Lecture 3 hours. Prerequisite: HIST 1493.

4243 AMERICAN COLONIAL HISTORY, 3 hours credit

The political, economic, social and cultural history of the colonies in North America from the earliest settlements to the preliminaries of the great war for empire. The modification of European institutions and ideals in the New World. Lecture 3 hours. Prerequisite: HIST 1483.

4253 REVOLUTIONARY AMERICA, 1754-1783, 3 hours credit

The French and Indian War; the British imperial system; the causes and immediate consequences of the War for American Independence. Lecture 3 hours. Prerequisite: HIST 1483.

4263 THE EARLY NATIONAL PERIOD IN THE UNITED STATES, 3 hours credit

The drafting and adoption of the federal constitution and the organization of a new national government. The origin and development of political parties; the conflict between nationalism and sectionalism; foreign policy and territorial expansion in the period from 1783 to 1824. Lecture 3 hours. Prerequisite: HIST 1483.

4273 THE AGE OF JACKSON AND AMERICAN EXPANSION, 1824-1861, 3 hours credit

A political history of the period between 1824 and 1861. The impact of nationalism, liberalism, and sectionalism upon American life in the middle period. Lecture 3 hours. Prerequisite: HIST 1483 and 1493.

4283 CIVIL WAR IN AMERICA, 3 hours credit

The political, military, diplomatic, economic and social problems encountered by the Union and the Confederacy; leading personalities and events of the war between the states. Lecture 3 hours. Prerequisite: HIST 1483.

4293 RECONSTRUCTION AND THE GILDED AGE, 3 hours credit

An intensive study of the major economic, political and social changes in the United States in the aftermath of the Civil War, with emphasis on the processes and problems of reconstruction in the southern states, and with special attention to the rise of modern industrialism and to the organization of labor and the farmers. Lecture 3 hours. Prerequisite: HIST 1493.

4303 THE EMERGENCE OF THE UNITED STATES AS A WORLD POWER, 1890-1920, 3 hours credit

An intensive study of the three decades in which the United States first emerged as a major factor in international affairs. The Spanish American War and the acquisition of an overseas empire; progressivism and other reform movements in the early twentieth century; neutrality; World War I and the Treaty of Versailles. Lecture 3 hours. Prerequisites: HIST 1493 and junior standing.

4363 FRENCH REVOLUTION AND NAPOLEONIC ERA, 3 hours credit

The period of the French Revolution and Napoleon including the origins of the Revolution, the course of its development, the rise of Napoleon, the Napoleonic wars and their effect on Europe. Lecture 3 hours. Prerequisite: HIST 1123.

4373 HISTORY OF EUROPE, 1815-1870, 3 hours credit

Europe at the end of the Napoleonic Era; the Congress of Vienna and the Congress system; the revolutions of 1830 and 1848; the unification of Italy and Germany. Lecture 3 hours. Prerequisite: HIST 1123.

4383 HISTORY OF EUROPE, 1870-1918, 3 hours credit

The growth of alliances, economic and political imperialism; World War I and its origin. Lecture 3 hours. Prerequisite: HIST 1123.

4403 EUROPE, THE AGE OF ABSOLUTISM 1648-1789, 3 hours credit

The growth of divine-right monarchy in Europe and the balance of power; the rationalists and the age of Enlightenment. Lecture 3 hours. Prerequisites: HIST 1113 and 1123.

4413 THE RENAISSANCE AND REFORMATION, 3 hours credit

The decline of feudalism and manorialism and the rise of the national state, the revival of culture and the arts; the decline of the universal church; the Protestant Reformation. Lecture 3 hours. Prerequisites: HIST 1113 and 1123.

4433 RUSSIA TO 1815, 3 hours credit

A survey of the political, institutional, societal and economic development of Russia from the Kievan period to the end of the Napoleonic wars. The course will include the origins of Russian society, the rise of Muscovy, the growth of the Russian Empire, origins and development of autocracy and serfdom and Russia's emergence as a great power. Lecture 3 hours. Prerequisite: HIST 1113.

4443 RECENT EUROPEAN HISTORY, 3 hours credit

The quest for security in the 1920's, the rise of the dictators and the road to war. World War II and its aftermath. Lecture 3 hours. Prerequisite: HIST 1123.

4453 MODERN RUSSIA FROM 1815 TO THE PRESENT, 3 hours credit

Europe after the Napoleonic Wars, Russia in the Nineteenth Century, the nature of the old regime, the emergence of the underground movement, revolutionary literature, the revolutions of 1917, and modern communist Russia. Lecture 3 hours. Prerequisite: HIST 1123.

4463 MODERN FAR EAST, 3 hours credit

The institutional background and the impact of the occidental world on the East from the early Nineteenth Century. Problems of modern China, Japan and India, and their relations with the West, especially the United States. Lecture 3 hours.

4483 DIPLOMATIC HISTORY OF MODERN EUROPE, 3 hours credit

A discussion and analysis of the major personalities, events and trends in European diplomacy from the post Napoleonic settlement into the Atomic Age. Attention will be focused primarily upon the major nations of Western Europe. Russia, the Balkan states and the area of Eastern Europe will be treated only in so far as they interact with the Western European powers. Prerequisite: History 1123.

4493 RECENT AMERICAN HISTORY, 3 hours credit

The United States in the Age of the Great Depression, with primary stress on the social problems and popular movements of the 1920's, the New Deal policies of Franklin D. Roosevelt and the circumstances under which the nation became involved in World War II. Lecture 3 hours. Prerequisites: HIST 1483 and 1493.

4773 METHODS OF TEACHING SOCIAL STUDIES, 3 hours credit

Problems and methods of teaching social studies. Lecture 3 hours. Teacher Certification Students must be admitted to teacher education prior to enrollment in this course. Prerequisite: Departmental approval. Offered fall semester only.

4783 PHILOSOPHY OF HISTORY, 3 hours credit

A study of important philosophers and philosophies of history from the seventeenth century to the present, with emphasis on their attempts to determine the

aims of historical inquiry, and to categorize the explanations used by historians to discover recurring patterns. Lecture 3 hours. Prerequisites: Senior standing and 18 hours of history.

4793 SENIOR SEMINAR IN HISTORY, 3 hours credit

Fundamentals of research and writing for history majors, with attention to the assumptions and premises on which these methods are based and to the mechanics of the historical essay. A lengthy research paper is required. Prerequisites: Eighteen hours of history and permission of the department.

4871 SEMINAR IN TEACHING SOCIAL STUDIES, 1 hour credit

An intensive study of the problems and methods of teaching Social Studies. Lecture 1 hour. Teacher Certification Students must be admitted to teacher education prior to enrollment in this course. Prerequisites: HIST 4773 and departmental approval.

4961-3 SELECTED TOPICS IN HISTORY, 1-3 hours credit

An intensive analysis of a selected problem or topic in history. May be repeated, with a different topic, for additional credit. Prerequisites: 18 hours of history and departmental permission. Prerequisites: Senior standing and 18 hours of History.

HUMANITIES (HUM)

2113 HUMANITIES IN EARLY WESTERN CULTURE, 3 hours credit

An interdisciplinary approach to art, music, history, philosophy, literature and drama from the origins of Western Civilization through the Middle Ages. This course will be team taught by faculty members from the respective disciplines. Lecture 3 hours.

2223 HUMANITIES IN MODERN WESTERN CULTURE, 3 hours credit

An interdisciplinary approach to art, music, history, philosophy, literature and drama from the Renaissance to the present. This course will team taught by faculty members from the respective disciplines. Lecture 3 hours

2413 HUMANITIES OF CANADA, 3 hours credit

An introduction to the geography, history, economics, politics, society, and culture of Canada. Lecture 3 hours.

2513 HUMANITIES OF THE GREAT PLAINS, 3 hours credit

An interdisciplinary approach to the unique environment and the resultant cultural developments in art, geography, history, literature., and music of the Great Plains from the 1500's through the mid-twentieth century. The course will be taught by faculty members from the respective disciplines. Lecture 3 hours.

4511-3 SELECTED TOPICS IN THE GREAT PLAINS EXPERIENCE, 1-3 hours credit

Intensive independent reading and research on a specific topic in the Great Plains environment or culture, based on pre-approved outlines or plans, with regular conferences and with oral and written reports. The reading and research will be directed by a faculty member from the art, english, music or history and humanities departments. Prerequisite: HUM 2513 or permission.

RELIGIOUS EDUCATION (REL ED)

1113 OLD TESTAMENT LITERATURE, 3 hours credit

A survey course covering the entire Old Testament. Lecture 3 hours.

1123 NEW TESTAMENT LITERATURE, 3 hours credit

A study based upon the New Testament records and other related sources.
Lecture 3 hours.



DEPARTMENT OF
POLITICAL SCIENCE

CHAIRMAN - Phillip Simpson, Professor

Associate Professors: Atwater, Chenoweth

Assistant Professors: Holloway, Kervin, Meyers, Supina

The Department of Political Science offers a program leading to a Bachelor of Arts degree with a major in Political Science and a Bachelor of Science degree with a major in Criminal Justice. The Department also offers an Associate of Arts degree in Criminal Justice and minors in Geography and Philosophy.

BACHELOR OF ARTS DEGREE MAJOR IN POLITICAL SCIENCE

- I. GENERAL EDUCATION REQUIREMENT 50 hours
 II. MAJOR 36 hours

Completion of POL SC 1113 American Federal Government and POL SC 2113 Concepts in Political Science or permission of Department of Political Science is required for enrollment in political science classes numbered 3000 or above.

Required Courses 6 hours

POL SC 2113 Concepts in Political Science

POL SC 3793 Research Methods in Political Science

American Politics, Institutions, Theory, Processes and Political Behavior 18 hours

POL SC 2023 State and Local Government

POL SC 3013 Political Parties and Pressure Groups

POL SC 3113 The Formation of Public Policy

POL SC 3483 The North American Executive

POL SC 3613 Early Political Thought

POL SC 3623 Modern Political Thought

POL SC 3633 American Political Thought

POL SC 3713 Public Administration

POL SC 3753 American Constitutional Law: The Division of Governmental Powers

POL SC 3813 American Constitutional Law: Civil Liberties

POL SC 4253 The Judicial Process

POL SC 4491-3 Selected Topics in Political Science

POL SC 4673 Contemporary Political Thought

With departmental approval, students may choose from the following courses to partially satisfy part of the American Politics, Institutions, Theory, Processes and Political Behavior requirement.

SOCI 2013 Interpretation of Social Statistics

ECON 3313 Money and Banking

SOCI 3343 Political Sociology

SOCI 4026 Field Practicum

ECON 4213 Urban Economic Problems
 PHIL 3013 Ethics

**International Relations, Comparative Government
 and Foreign Policy** 12 hours

- POL SC 3213 International Relations
- POL SC 3223 International Organizations
- POL SC 4013 Comparative Government
- POL SC 4023 The Developing Nations
- POL SC 4053 Problems of American and Canadian Foreign Policy
- POL SC 4491-3 Selected Topics

With departmental approval students may choose from the following courses to satisfy partially the International Relations, Comparative Government and Foreign Policy requirement.

- HUM 2113 Humanities of Canada
- ECON 3023 Economic Geography
- HIST 4033 American Diplomatic History to 1900
- HIST 4043 American Diplomatic History Since 1900
- ECON 4413 Comparative Systems
- HIST 4483 Diplomatic History of Modern Europe

- III. MINOR 18 hours
- IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

Teacher Licensure/Certification

Cameron University offers a program leading to licensure certification in Social Studies. Degree requirements are not necessarily identical with certification requirements. Consult the Teacher Certification Catalog and your departmental advisor for details about certification.

**BACHELOR OF SCIENCE DEGREE
 MAJOR IN CRIMINAL JUSTICE**

- I. GENERAL EDUCATION REQUIREMENT 50 hours
- II. MAJOR-MINOR 60 hours

Core Courses

- TECH 3013 Technical Report Writing 12 hours
- TECH 3012 Principles of Supervision
- TECH 4013 Union-Management Relations or
- TECH 4033 Industrial Organization
- TECH 4033-6 Directed Observation and On-The-Job Internship Technical Speciality 32 hours
- Upper Division Courses 16 hours
- Selected to complement the student's goals and objectives and approved by the Department of Political Science
- III. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION

ASSOCIATE DEGREE IN APPLIED SCIENCE IN CRIMINAL JUSTICE

I.	GENERAL EDUCATION REQUIREMENT.....	24 hours
	Required Courses	18 hours
	ENGL 1113 English Composition I	
	POL SC 1113 American Federal Government	
	PSYCH 1113 General Psychology	
	COMM 1113 Fundamentals of Speech	
	HIST 1483 United States History to 1865 or HIST 1493 United States History Since 1865	
	Approved General Education Electives	6 hours
	Mathematics and/or Science (3 hours)	
	MATH 1013 Basic College Mathematics or above	
	Humanities and/or Physical Education (3 hours)	
		32 hours
II.	TECHNICAL SPECIALTY	15 hours
	Required Courses	
	CJ 1013 Introduction to Criminal Justice	
	CJ 1113 Applied Criminology	
	CJ 1023 Community Relations	
	CJ 1033 Criminal Law	
	CJ 2013 Legal Procedures in Civil and Criminal Law	
		12 hours
	Concentration	
	(Majors must choose one of the following concentrations.)	
	Law Enforcement	
	LE 2003 Security Systems	
	LE 2033 Police Patrol and Traffic Functions	
	LE 2043 Introduction to Polygraph Science	
	LE 2053 Criminal Investigation	
	LE 2064 Criminalistics	
	Corrections	
	CORR 2003 Correctional Treatment Methods	
	CORR 2033 Correctional Institutions as a Social System	
	CORR 2043 Counseling Juvenile and Adult Offenders	
	CORR 2053 Probation and Parole	
	CORR 2063 Management of Correctional Institutions	
		5 hours
	Electives	
	(Selected from the following)	
	TECH 3003-3 Technology Workshop	
	CJ 2001-3 Special Problems in Criminal Justice	
	CJ 3003 Juvenile Justice System	
		8 hours
III.	TECHNICAL-OCCUPATIONAL RELATED COURSES.....	
	Related Courses Approved by Advisor	
		64 hours
	TOTAL	64 hours

COURSES

CORRECTIONS (CORR)

2003 CORRECTIONAL TREATMENT METHODS, 3 hours credit

A study of correctional institutions, methods of correctional treatment and the social services provided to convicted persons and their dependents. An analysis of the criminal behavior that characterizes the different types of offenders. Lecture 3 hours. Prerequisites: CJ 1013, 1113, 1033, and PSYCH 1113.

2033 CORRECTIONAL INSTITUTIONS AS A SOCIAL SYSTEM, 3 hours credit

The study of social systems within correctional institutions. The effect of deprivation of liberty, heterosexual relationships, autonomy, security. Cultures and subcultures as a response to imprisonment. Lecture 3 hours. Prerequisites: CJ 1013 and 1113.

2043 COUNSELING ADULT AND JUVENILE OFFENDERS, 3 hours credit

Techniques involved in counseling and supervising adult and juvenile offenders. Emphasis is on development of effective communication models and treatment oriented programs for counseling clients in a correctional environment. Focus is on the development of rapport with court directed or court committed adult and juvenile offenders. Prerequisite: CJ 1013, 1113 and PSYCH 1113.

2053 PROBATION AND PAROLE, 3 hours credit

Role and structure of state pardon and parole boards; options of the governor; legal duties of pardon and parole boards, parole probation officers' rights of inmates to be considered for parole; effects of parole actions on the community; legal limitations placed on parolees, revocation of parole. Lecture 3 hours. Prerequisites: CJ 1113, CORR 2003 and PSYCH 1113.

2063 MANAGEMENT OF CORRECTIONAL INSTITUTIONS, 3 hours credit

Problems of management of the correctional process. Includes security, information systems, case management, evaluation of progress, custody and discipline as related to rehabilitative efforts, problems of recidivism and the condemned, education and training in rehabilitative programs. Lecture 3 hours. Prerequisites: CORR 2003 and 2033.

CRIMINAL JUSTICE (CJ)

1013 INTRODUCTION TO CRIMINAL JUSTICE, 3 hours credit

A study of the historical development of the criminal justice system, contemporary agencies, and processes involved in the system; and introduction to the three main components; police, courts and corrections. Lecture 3 hours.

1023 COMMUNITY RELATIONS, 3 hours credit

Critical consideration of the criminal justice system's capacity to deal with crime, and its relationship with the citizenry. Emphasis will be placed on programs to provide effective community relations. Lecture 3 hours. Prerequisite: CJ 1013.

1033 CRIMINAL LAW, 3 hours credit

A review of criminal law. The administration of justice as it exists in the municipality under state statutes. The rights and privileges of the accused and the jurisdiction of violators. Lecture 3 hours.

1113 APPLIED CRIMINOLOGY, 3 hours credit

Applications of criminology in the Criminal Justice System. An overview of the past, present, and future trends in crime causation. Emphasis will be placed on the relationship of man and criminal behavior. Lecture 3 hours. Prerequisite: CJ 1013 or concurrent enrollment.

2001-3 SPECIAL PROBLEMS IN CRIMINAL JUSTICE, 1-3 hours credit

Selected study projects which will include topics not covered in detail in the Criminal Justice curriculum. Prerequisites: Sophomore standing and department permission.

2013 LEGAL PROCEDURES IN CRIMINAL AND CIVIL LAW, 3 hours credit

Organization and jurisdiction of state, federal and municipal courts over subject matter and the person. Procedures for commencing civil litigation and criminal trial procedures. Lecture 3 hours. Prerequisites: POL SCI 1113, CJ 1013, CJ 1033.

3003 JUVENILE JUSTICE SYSTEM, 3 hours credit

The study of the Juvenile Justice System in America. Juvenile crime, the courts, community services, including prevention and rehabilitation of juveniles. Lecture 3 hours. Prerequisites: CJ 1013, 1083, and 1113.

3013 ORGANIZED AND WHITE COLLAR CRIME, 3 hours credit

A study of organized and white collar crime strategies and techniques used to combat them. Prerequisites: CJ 1013, 1033 and 2013.

3033 CONCEPTS OF CRIMINAL JUSTICE, 3 hours credit

A study of current and emerging theories and concepts in Criminal Justice. Includes methods of instruction developed for effectiveness, supervision, and productivity. Lecture 3 hours. Prerequisite: 12 hours of criminal justice or departmental permission.

3043 CONSTITUTIONAL PROCEDURES IN CRIMINAL JUSTICE, 3 hours credit

A examination of constitutional case law as decided by the Supreme Court. Focus is on the criminal justice system and its relation to government powers and citizen's constitutional rights. Prerequisites: CJ 1013, 1033 and 2013.

4013 CRIMINAL JUSTICE PLANNING, 3 hours credit

A systematic approach to planning, organizing, budgeting and implementing a Criminal Justice System, includes evaluation and validation. Lecture 3 hours. Prerequisite: 18 hours of criminal justice or departmental permission.

GEOGRAPHY (GEOG)**2013 PHYSICAL GEOGRAPHY, 3 hours credit**

A basic introduction to the physical elements of the earth as they relate to man. The influence of such factors as soils and minerals, landforms and hydrography, vegetation, weather, and climate are emphasized. Lecture 3 hours.

2243 HUMAN GEOGRAPHY, 3 hours credit

The principles of geography in its human aspects and its relationship to the cultural patterns of the world. Lecture 3 hours.

3023 ECONOMIC GEOGRAPHY, 3 hours credit

A study of the resource base and economic activities with emphasis on production, distribution, and consumption of various types of commodities of the world. Lecture 3 hours.

3033 HISTORICAL GEOGRAPHY OF THE UNITED STATES, 3 hours credit

The geographic environment of America and its influence on the historical evolution of the United States. Lecture 3 hours.

3213 WORLD REGIONAL GEOGRAPHY, 3 hours credit

A comparative study of the world's major geographic regions as they are defined by interrelated complexes of physiographic and cultural elements. Lecture 3 hours.

3243 ETHNIC GEOGRAPHY OF THE UNITED STATES, 3 hours credit

A study of the geographic origins of individual groups and of the impact of migration upon their cultural traditions and ways of life. Lecture 3 hours.

3253 CONSERVATION OF NATURAL RESOURCES, 3 hours credit

A study of America's resources; their geographic localization, and the nature and problems of their uses and misuses. Lecture 3 hours. Prerequisite: Departmental permission.

LAW ENFORCEMENT (LE)**2003 SECURITY SYSTEMS, 3 hours credit**

A study of techniques used in providing security to government, industry, business, and private institutions. The functions of criminal justice personnel in crime prevention management. Lecture 3 hours. Prerequisites: CJ 1013, 1113 and 1033.

2033 POLICE PATROL AND TRAFFIC FUNCTIONS, 3 hours credit

The role and responsibilities of the police patrol emphasizing the enforcement of laws, traffic regulations and defensive driving. Lecture 3 hours. Prerequisites: CJ 1033 and 1113.

2043 INTRODUCTION TO POLYGRAPH SCIENCE, 3 hours credit

The history and theory of the science of polygraph. The judicial treatment of polygraph evidence; legislative regulations concerning polygraph examiners; and polygraph examiner qualifications. Lecture 3 hours. Prerequisites: CJ 1013, 1113, and 1033.

2053 CRIMINAL INVESTIGATION, 3 hours credit

Methods of gathering facts relative to criminal and civil laws, juvenile procedures, legal research, pre-sentence and other related situations requiring investigative skills. Prerequisites: CJ 1013 and 1033.

2064 CRIMINALISTICS, 4 hours credit

The investigation of crime, showing the relationship between the crime scene, forensic science and the preparation of evidence for legal presentation into a court of law. Emphasis is placed on the collection, identification, and processing of physical evidence. Lecture 3 hours, laboratory 2 hours. Prerequisite: LE 2053 or concurrent enrollment.

PHILOSOPHY (PHIL)**1113 INTRODUCTION TO PHILOSOPHY, 3 hours credit**

Leading philosophic ideas in Western thought. Lecture 3 hours.

2213 LOGIC, 3 hours credit

The methods and principles used in distinguishing correct from incorrect reasoning, both deductive and inductive. Lecture 3 hours.

3013 ETHICS, 3 hours credit

Critical study of important ethical theories and moral problems of contemporary interest (e.g., euthanasia, abortion, pornography, capital punishment, affirmative action). Lecture 3 hours. Prerequisite: PHIL 1113 or 2213, or permission of instructor.

3123 METAPHYSICS, 3 hours credit

Critical study of three fundamental philosophical topics: God, immortality and freedom. Related topics to be discussed include dualism, idealism, materialism, determinism, and the claim that science can give a complete explanation or

description of all that is real. Lecture 3 hours. Prerequisite: PHIL 1113 or 2213, or permission of instructor.

POLITICAL SCIENCE (POL SC)

1113 AMERICAN FEDERAL GOVERNMENT, 3 hours credit

A study of the American government system. The American experiment in federalism and democracy; origin and development of the United States Constitution; federal-state relations, civil liberties, the individual as a citizen; political parties; governmental services. Lecture 3 hours.

2113 CONCEPTS OF POLITICAL SCIENCE, 3 hours credit

An introduction to basic political concepts, institutions and processes, as well as a review of career opportunities for political scientists. Lecture 3 hours.

2023 STATE AND LOCAL GOVERNMENT, 3 hours credit

A study of the various political units in the United States with emphasis on states, counties, and municipalities. Lecture 3 hours.

Completion of Political Science 1113, Political Science 2113, (or permission of the Department) is required for enrollment in Political Science classes numbered 3000 or above.

3013 POLITICAL PARTIES AND PRESSURE GROUPS, 3 hours credit

A critical study of the political processes in the United States with special reference to development of political parties and their relationship to voter behavior. Lecture 3 hours.

3113 THE FORMATION OF PUBLIC POLICY, 3 hours credit

An analysis of the development of public policies in the solution of national problems. Lecture topics include the process of making, implementing, and evaluating public policies. Students select a policy issue of interest and prepare a thoughtful paper on the subject. Lecture 3 hours.

3213 INTERNATIONAL RELATIONS, 3 hours credit

The political dynamics and machinery of international relations, with emphasis on the norms and techniques of nationalism, imperialism, collective security and the formation and execution of foreign policy. Lecture 3 hours.

3223 INTERNATIONAL ORGANIZATIONS, 3 hours credit

An analysis of the background, formation, aims, activities and accomplishments of international government organizations, with emphasis on the United Nations and related agencies. Lecture 3 hours.

3483 THE NORTH AMERICAN EXECUTIVE, 3 hours credit

A comprehensive study of the Presidency and Prime Minister of Canada with emphasis on the development of the power, influence, philosophy and personalities of the office. The course will also compare the office of the Presidency with the office of governor in the various states and the Canadian Prime Minister. Lecture 3 hours.

3613 EARLY POLITICAL THOUGHT, 3 hours credit

Political thought in ancient Greece, ancient Rome and the Middle Ages. Close study of texts by thinkers such as Plato, Aristotle, Cicero, and Aquinas. Lecture 3 hours.

3623 MODERN POLITICAL THOUGHT, 3 hours credit

Political thought from the Renaissance through the nineteenth century. Close study of texts by thinkers such as Hobbes, Locke, Rousseau, Mill and Marx. Lecture 3 hours.

3633 AMERICAN POLITICAL THOUGHT, 3 hours credit

Main currents and cross-currents in American political thought from Puritanism to the present with emphasis on those concepts and ideas which have most decisively influenced the evolution of the federal system of government. Lecture 3 hours.

3713 PUBLIC ADMINISTRATION, 3 hours credit

An introductory course to acquaint students with the field of public administration. Topics include the development of public administration and its political setting, organization theory and behavior, administrative processes, and current issues in public administration. Lecture 3 hours.

3753 AMERICAN CONSTITUTIONAL LAW: THE DIVISION OF GOVERNMENTAL POWER, 3 hours credit

Development of principles of constitutional law by the Supreme Court concerning federalism and separation of power with particular emphasis on political and doctrinal developments surrounding judicial review, regulations of commerce, taxing and spending, and Presidential power. Lecture 3 hours.

3793 RESEARCH METHODS IN POLITICAL SCIENCE, 3 hours credit

The study and application of research methods in political science. The course will include an overview of research designs, the organization and preparation of research papers, and trends in research. Lecture 3 hours.

3813 AMERICAN CONSTITUTIONAL LAW: CIVIL LIBERTIES, 3 hours credit

Development of principles of constitutional law by the Supreme Court concerning individual liberties with particular emphasis on political and doctrinal developments surrounding the First Amendment privacy, defendants rights and Fourteenth Amendment due process and equality concepts. Lecture 3 hours.

4013 COMPARATIVE GOVERNMENT, 3 hours credit

A comparative study of modern political institutions and processes, with particular attention to Canadian and European political systems. Lecture 3 hours.

4023 THE DEVELOPING NATIONS, 3 hours credit

An analysis of political institutions and processes with emphasis on selected developing countries in Africa, Asia, Latin America and the Middle East. Lecture 3 hours.

4033 SOVIET GOVERNMENT AND POLITICS, 3 hours credit

The Soviet concept of the state; multinational federalism; origin and development of the political structure; role of the Communist Party of the Soviet Union; treatment of individual protections; policy-making procedures and processes. Lecture 3 hours.

4053 PROBLEMS OF AMERICAN AND CANADIAN FOREIGN POLICY, 3 hours credit

A survey of American and Canadian policies with regard to current international conflicts and problems, with a descriptive analysis of the manner in which these courses or actions are determined and carried out by federal agencies and an intensive examination of major alternatives to the existing policies. Lecture 3 hours.

4253 THE JUDICIAL PROCESS, 3 hours credit

An analysis of the court system in the United States, focusing on the United States Supreme Court, lower federal courts, federal-state judicial relations, and the role of the judicial system in American policy processes. Lecture 3 hours.

4491-3 SELECTED TOPICS IN POLITICAL SCIENCE, 1-3 hours credit

An intensive analysis of a selected political problem or special topic in government. May be repeated, with different topic, for additional credit.

4673 CONTEMPORARY POLITICAL THOUGHT, 3 hours credit

Normative political theory in the twentieth century. Intensive study of recent work on topics such as totalitarianism, national liberation, the welfare state, justice, democracy, human rights, and social ecology.



S DEPARTMENT OF SOCIOLOGY

CHAIRMAN - Francis Woodard, Associate Professor

Professor: Jack Hickman

Assistant Professors: O'Leary, Seamans

The Department of Sociology offers a program leading to a Bachelor of Arts degree with a major in Sociology.

BACHELOR OF ARTS DEGREE MAJOR IN SOCIOLOGY

- I. GENERAL EDUCATION REQUIREMENT 50 hours
- II. MAJOR 36 hours
- Required Courses** 18 hours
- SOCI 1113 Principles of Sociology
- SOCI 2023 Social Problems
- SOCI 3113 Development of Sociological Thought
- SOCI 3123 Contemporary Social Theory
- SOCI 3223 Methods of Social Research
- SOCI 4793 Senior Seminar: Selected Topics in Sociology
- Electives** 18 hours
- Must include 9 hours of Sociology prefix courses numbered 3000 or above. Approved electives in related subjects outside the field of sociology may be used to meet 9 hours of this requirement. With departmental approval.
- III. MINOR..... 18 hours
- IV. ELECTIVES TO COMPLETE 128 HOURS REQUIRED FOR GRADUATION.

Teacher Licensure/Certification

Cameron University offers a program leading to licensure/certification in Social Studies. Degree requirements are not necessarily identical with certification requirements. Consult the Teacher Certification Catalog and your departmental advisor for details about certification.

COURSES

ANTHROPOLOGY (ANTH)

1113 INTRODUCTION TO ANTHROPOLOGY, 3 hours credit

A general introduction to the principles of physical and socio-cultural anthropology. Topics to be covered include an analysis of human evolution, origins of agriculture and civilization, existing pre-industrialized and industrialized

peoples, and the institutions of the family and kinship, religion, economics, government, and education. Lecture 3 hours.

SOCIOLOGY (SOCl)

1113 PRINCIPLES OF SOCIOLOGY, 3 hours credit

A general survey of the scope and problems of sociology; a study of the forces which cause the development of human relationships which influence the rise and growth of people, and impel the organizations composing human society. Lecture 3 hours.

2003 INTRODUCTION TO CRIMINOLOGY AND PENOLOGY, 3 hours credit

An analysis of criminal behavior, the police, courts, and penal systems.

2013 INTERPRETATION OF SOCIAL STATISTICS, 3 hours credit

The correct use and interpretation of statistics in the current professional journals and other sociological literature. Lecture 3 hours. Prerequisites: SOCI 1113 and MATH 1213 or permission of the instructor.

2023 SOCIAL PROBLEMS, 3 hours credit

An analysis of the nature, history, and scope of current problems in the areas of poverty, crime, the family, health, race relations, mental illness, suicide, and substance abuse. Lecture 3 hours.

2034 APPLIED SOCIOLOGY, 3 hours credit

A study of the application of sociological concepts and research findings in such areas as business and industry, community development, education, medicine, recreation and public policy formation. Lecture 3 hours. Prerequisite: SOCI 1113.

3003 THEORIES OF CRIME AND DEVIANCE, 3 hours credit

An in-depth study of current sociological theories of crime and deviant behavior. Prerequisite: SOCI 1113.

3013 RACIAL AND CULTURAL MINORITIES, 3 hours credit

Investigation of the sociological processes of a racially and culturally heterogeneous society; migration, accommodation, assimilation, amalgamation, segregation, pluralism. Lecture 3 hours. Prerequisite: SOCI 1113 or 2023.

3113 DEVELOPMENT OF SOCIOLOGICAL THOUGHT, 3 hours credit

An inquiry into the historical origins of contemporary sociological theories, ranging from the classical Greek period to the present, but with special attention to the works of Auguste Comte. Lecture 3 hours. Prerequisite: SOCI 1113 or PHIL 1113.

3123 CONTEMPORARY SOCIOLOGICAL THEORY, 3 hours credit

Survey of contemporary sociological theories of society, including symbolic interactionism, communication theory, systems theory, ethnomethodology, mathematical theories, power theories, etc. Lecture 3 hours. Prerequisite: SOCI 1113.

3223 METHODS IN SOCIAL RESEARCH, 3 hours credit

Introduction to the basic concepts of social research: parametric and non-parametric techniques, formulation, and testing of hypothesis, research, sampling problems, and interpretation of data. Lecture 3 hours. Prerequisites: SOCI 1113 and 2013 or equivalent.

3313 THE AMERICAN RELIGIOUS EXPERIENCE, 3 hours credit

An examination of the historical and sociological backgrounds of religious movements, with emphasis on those movements which have been most pervasive and most influential in shaping American society. Lecture 3 hours.

3323 COLLECTIVE BEHAVIOR, 3 hours credit

A study of the social process as it pertains to group interaction. An understanding of individual needs in relation to the social situation with an emphasis on crowd and mob psychology, public opinion, rumor, fads, fashions and mass society. The relationship between collective behavior, and social change in terms of innovation, conflict, political movements, and religious revivals. Lecture 3 hours. Prerequisite: SOCI 1113.

3333 THE SOCIOLOGY OF SMALL GROUPS, 3 hours credit

A study of the dynamics of social interaction within the context of primary group structures. Attention will be given to selected examples of primary group experience. Lecture 3 hours. Prerequisite: SOCI 1113.

3343 POLITICAL SOCIOLOGY, 3 hours credit

A study of man's social environment as it relates to and interacts with man's political world. Included is consideration of the sociological influences on man's political behavior in the following areas: (a) power distribution on the national, state and local levels; (b) public opinion, voting behavior, and political participation; (c) interest group formation and structure; (d) the forces of political change and ideological movements; and (e) the legal-institutional level of political decision making. Lecture 3 hours. Prerequisite: SOCI 1113 or POL SC 1113 or 3023.

3353 SOCIAL DEMOGRAPHY, 3 hours credit

An analysis of the influence of social and cultural settings on natality, mortality and migration. This course also includes an assessment of the impact of demographic change on social systems. Lecture 3 hours. Prerequisite: SOCI 1113.

3373 SOCIOLOGY OF THE COMMUNITY, 3 hours credit

The community, its structure, systems and processes. The influence of geography and patterns of settlement upon urban and rural life. Population growth and migratory patterns. Lecture 3 hours. Prerequisite: SOCI 1113.

3383 INDUSTRIAL SOCIOLOGY, 3 hours credit

A study of the impact of technology on social organization. An investigation of industrial and other work settings, formal and informal organization, work alienation and alternative proposals to the routinization of work. Lecture 3 hours. Prerequisite: SOCI 1113.

3403 COMPARATIVE FAMILY SYSTEMS, 3 hours credit

An analysis of family types and kinship systems from a cross-cultural perspective. Emphasis will be on anthropological and sociological research and theory related to the origin, development, history and the perseverance and alterations of family patterns and kinship systems as a result of technological and socio-cultural change. Lecture 3 hours. Prerequisites: SOCI 1113.

3413 GERONTOLOGY, 3 hours credit

An indepth study of various aspects of aging from a broad interdisciplinary perspective. Lecture 3 hours. Prerequisite: SOCI 1113.

3513 INTRODUCTION TO SOCIAL WELFARE AND HUMAN SERVICES, 3 hours credit

An introduction to the Social Welfare institution and the purposes, concepts, methods, and theories used in the delivery of Human Services, Lecture 3 hours. Prerequisites: SOCI 1113 and 2023.

3523 THE SOCIOLOGY OF MENTAL ILLNESS, 3 hours credit

An analysis of sociological perspectives on mental illness. Included will be an examination of the problem of definition, the cross-culture regularities and differences, the sociological variable and the process of caring for and treating

psychiatric patients. from the sociological perspectives. Lecture 3 hours. Prerequisite: PSYCH 1113 or SOCI 2023.

4013 JUVENILE DELINQUENCY, 3 hours credit

An indepth analysis of juvenile delinquency with regard to its development, treatment and prevention. Lecture 3 hours. Prerequisites: SOCI 1113.

4023-6 FIELD PRACTICUM, 3-6 hours credit

Practicum and experiences in community based social and political service agencies and programs; including coursework dealing with career preparation. Lecture 1-2 hours, practicum experience 4-8 hours. Prerequisites: Permission of instructor.

4491-3 INDEPENDENT STUDY, 1-3 hours credit

Intensive independent readings or study of definite problems or special subjects, based on pre-approved outlines or plans, with regular conferences and with oral and written reports. Prerequisite: 15 hours of Sociology or permission of the department chairman. May be repeated with a different topic for a total of 6 hours.

4591-3 SELECTED TOPICS IN SOCIOLOGY, 1-3 hours credit

An intensive analysis of a selected problem or topic in Sociology. May be repeated with a different topic. Lecture: 1-3 hours. Prerequisite: 12 hours Sociology or permission of the instructor.

4793 SENIOR SEMINAR: SELECTED TOPICS IN SOCIOLOGY, 3 hours credit

Intensive studies of a major sociological concern, such as criminology, demography, race and ethnic relations, mass communication, theory, etc. Prerequisite: Senior standing or permission of the instructor.





UNIVERSITY

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ADMISSIONS

Cameron University offers the Bachelor of Science Degree and the Associate Degree in Science with a major in General Education. These programs are designed to serve active duty military personnel and goal directed students whose educational needs are not met by one of the university's present majors.

BACHELOR OF SCIENCE DEGREE PROGRAM

This degree which allows flexibility in program planning may or may not prepare a student for a particular occupation or entry into a graduate or professional school. A student may apply for admission to this program during or after the semester in which 24 semester hours of credit (including transfer and military credit) are completed. A minimum of 24 semester hours must be completed subsequent to admission to the degree program.

General Education

- I. GENERAL EDUCATION REQUIREMENT 50 hours
- II. CONCENTRATION 45 hours
Courses selected from two or more disciplines which in their aggregate comprise a rational combination of skills and concepts. A minimum of 25 semester hours must be upper division courses.
- III. ELECTIVES 33 hours
A total of 64 semester hours of credit earned by completing (1) extension courses, (2) correspondence courses, (3) standardized examinations (including DANTES and CLEP) subject matter examinations, (4) department advanced standing examinations, (5) military service schools or (6) one year of active duty military service may be applied toward the requirements for this degree. The amount of credit granted for military service schools will be determined by the university using the American Council on Education Guide. Credit will be granted for a minimum of one year's validated active duty military service as follows:
 - Commissioned Officer: Eight semester hours in basic military science and sixteen semester hours in advanced military science.
 - Warrant Officer: Eight semester hours in basic military science and twelve semester hours in advanced military science.
 - Enlisted: Eight semester hours in basic military science.

ASSOCIATE IN SCIENCE DEGREE PROGRAM

This degree which allows flexibility in program planning may or may not prepare a student for a particular occupation or entry into a baccalaureate degree program. A student may apply for admission to

this program during or after the semester in which 12 semester hours of credit are completed (including transfer and military credit). A minimum of 12 semester hours must be completed subsequent to admission to the degree program.

General Education

- I. GENERAL EDUCATION REQUIREMENT 26-28 hours
- Language Arts** 9 hours
 ENGL 1113 English Composition I
 ENGL 1213 English Composition II
 COMM 1113 Fundamentals of Speech
- Mathematics** 3 hours
 Chosen from any mathematics course other than beginning algebra, except courses designed for Elementary Education majors
- Social Science** 6 hours
 POL SC -1113 American Federal Government
 HIST 1483 United States History to 1865
 or HIST 1493 United States History Since 1865
- Science** 8 hours
 This must include 4 hours in Biological Science and
 4 hours credit in Physical Science
- Behavioral Science** 3 hours
 PSYCH 1113 General Psychology
 or SOCI 1113 Principles of Sociology
 or H EC 1123 Family Relations
- II. CONCENTRATION 22-24 hours
 Courses selected from two or more disciplines which
 in their aggregate comprise a rational combination of
 skills and concepts
- III. ELECTIVES 12-16 hours
 A total of 32 semester hours of credit earned by
 completing (1) extension courses, (2) correspondence
 courses, (3) standardized examinations (including
 DANTES and CLEP subject matter examinations), (4) department
 advanced standing examinations, (5) military service
 schools or (6) one year of active duty military service
 may be applied toward the requirements for this degree.
 The amount of credit granted for military service schools
 will be determined by the university using the American
 Council on Education Guide. Credit will be granted for a
 minimum of one year's validated active duty military
 service as follows:
- Commissioned Officer: Eight semester hours in basic military science and sixteen semester hours in advanced military service.
 - Warrant Officer: Eight semester hours in basic military science and twelve semester hours in advanced military service.
 - Enlisted: Eight semester hours in basic military science.

Procedures

1. Submit a completed application for admission to a General Education Degree Program to the Vice President for Academic Affairs. A copy of the form may be obtained from the Office of Admissions and Records, Center for Advisement and Student Development, Veterans Affairs Office or Student Services. The Vice President for Academic Affairs will notify the student of approval or denial of the application.
2. Each person admitted to the program will be assigned an advisor to (a) visit with the student to clarify goals and objectives and (b) develop a program of study.
3. The proposed program of study will be evaluated by a committee of at least two faculty members representing at least two of the subject areas of significance to the student's area of concentration.
4. A copy of the program of study approved by the faculty committee and the advisor will be forwarded to the Office of Admissions and Records and will be used for checking graduation requirements.
5. Changes in the study program must be approved by the faculty committee and advisor.

SUBJECT MINORS

MINORS. A minor for Bachelor of Arts and Bachelor of Science degree programs consists of a minimum of 18 course hours in an approved subject area. Students may not major and minor in a subject having the same prefix unless the university offers an approved major-minor in that subject. The following constitute the approved areas in which students may earn subject minors.

Accounting	Economics	Mathematics
Agriculture	Electronics	Military Science
Agronomy	English	Music
American Studies	Environmental Studies	Nursing
Animal Science	Ethnic Studies	Philosophy
Applied Human and Community Services	Foreign Languages	Physics
Art	French	Physical Education and Health
Art History	General Humanities	Political Science
Athletic Coaching	Geography	Professional Writing
Biology	German	Psychology
Chemistry	Health	Recreation
Computer Science	Health and Physical Education	Recreational Arts
Criminal Justice	History	Sociology
Data Processing	Home Economics	Spanish
Design Drafting	Journalism	Speech
Driver and Safety Education	Language Arts	Communications
Economics	Library Science	Statistics
	Management	Theatre Arts

A transfer student may use work at other institutions toward meeting requirements of the above listed minors. The transfer student who desires to minor in a field not listed above may be approved to do so providing Cameron University offers at least eight hours in the subject area.

SUGGESTED OUTLINES

American Studies

- I. REQUIRED COURSE..... 3 hours
HUM 2513 Humanities of the Great Plains
- II. ELECTIVES..... 15 hours
(To be selected from the following)
ECON 1013 Economic History of the United States
POL SC 3023 American Political Thought
HIST 3153 Contemporary American Affairs
SOC 3313 The American Religious Experience
ENGL 3513 American Novel
ENGL 3523 The Contemporary American Novel
ENGL 4313 American Drama
ENGL 4323 The American Renaissance
ART 4283 Mixed Media
HUM 4511-3 Selected Topics in the Great Plains experience

Applied Human and Community Services

- I. REQUIRED COURSES..... 6 hours
SOC 2043 Applied Sociology
SOC 4023 Field Experiences
- II. ELECTIVES..... 12 hours
Students are expected to select all 12 hours of electives from only one of the three areas of concentration listed, with no more than two courses being taken from any one subject area (prefix). These courses must be above and beyond the major and general education requirements.

Areas of Concentration

Personal and Community Health

- HEALTH 1052 Personal and Community Health
- HEALTH 3244 Applied Anatomy and Kinesiology
- PSYCH 3323 Psychology of Adolescence
- PSYCH 3343 Psychology of Childhood
- PSYCH 3363 Abnormal Psychology
- ZOOL 1124 Human Anatomy and Physiology
- SOCI 3003 Deviant Behavior

Social Welfare

- SOCI 3003 Deviant Behavior
- SOCI 3013 Racial and Cultural Minorities
- SOCI 3413 Gerontology
- SOCI 3513 Introduction to Social Welfare and Human Services

SOCI 4003 Criminology
 SOCI 4013 Juvenile Delinquency
 H EC 3603 Consumer Education and Money Management
 H EC 1343 Basic Nutrition
 FIN 3603 Principles of Finance
 POL SC 3113 The Formation of Public Policy
 HIST 4493 Recent American History

Public and Private Administration

SOCI 3353 Social Demography
 SOCI 3383 Industrial Sociology
 POL SC 2023 State and Local Government
 POL SC 4253 The Judicial Process
 JOURN 4223 Principles of Public Relations
 MGMT 3013 Principles of Management
 MGMT 3513 Personnel Management
 MGMT 4013 Organizational Behavior

Art

- I. REQUIRED COURSES 12 hours
 ART 1013 Drawing I
 ART 1113 Design I
 ART 2183 Beginning Sculpture or ART 1123 Design II
 ART 2243 Painting, ART 2123 Color, or any mixed
 media class
- II. UPPER DIVISION ELECTIVES 6 hours

Art History

- I. REQUIRED COURSES 18 hours
 ART 2113 Art Appreciation
 ART 2313 History of Art, Prehistoric to Renaissance
 ART 2323 History of Art, Renaissance to Present
 ART 4683 History of Art Seminar: Contemporary
 ART 4683 History of Art Seminar: Directed Studies (6 hours)

Athletic Coaching

(Closed to Health and Physical Education majors)

- I. REQUIRED COURSES 12 hours
 HEALTH 3244 Applied Anatomy and Kinesiology
 HEALTH 3292 Care of Athletic Injuries
 HEALTH 4503 Physiology of Exercise
 HPET 4003 Organization and Administration of
 Health, Physical Education and Interscholastic Athletics
- II. ELECTIVES 6 hours
 Courses chosen from the following:
 Sports Officiating (2 hours)
 Theory of Coaching (2-4 hours)
 Substance Abuse (3 hours)
 Weight Training (1-2 hours)
 HPET Special Studies (1-2 hours)

NOTE: This minor will meet requirements for special endorsement in Athletic Coaching. See Teacher Certification Catalog for details.

Biology

- I. REQUIRED COURSES 8 hours
 General Botany 1114
 General Zoology 1114
- II. UPPER DIVISION ELECTIVES 10 hours
 Neither BIOL 1005, 1034, 2034, nor
 ZOOL 1124 may be included on the minor.

Chemistry

- I. REQUIRED COURSES 8-10 hours
 CHEM 1015 & 1225
- II. ELECTIVES 10-12 hours
 Selected from CHEM 2112, 2223, 3345 or
 3314 and 3324 or other approved Chemistry
 courses.

Criminal Justice

- I. REQUIRED COURSES 12 hours
 CJ 1013 Introduction to Criminal Justice
 CJ 1113 Applied Criminology
 CJ 1023 Community Relations
 CJ 1003 Criminal Law
- II. ELECTIVES 6 hours
 CORR 2003 Correctional Treatment Methods
 CORR 2033 Correctional Institutions as a Social System
 LE 2003 Security Systems
 LE 2033 Police Patrol and Traffic Functions
 CJ 3003 Juvenile Justice System

Data Processing

- I. REQUIRED COURSES 12 hours
 DATA P 1013 Introduction to Data Processing
 DATA P 023 RPG. Programming
 DATA P 2033 Systems Analysis
 DATA P 2053 COBOL
 or GENT 2133 FORTRAN
- II. ELECTIVES 6 hours

Design Drafting

- I. REQUIRED COURSES 6 hours
 DRAFT 1013 Drafting
 DRAFT 1023 Descriptive Geometry
- II. ELECTIVES 12 hours
 (Selected from one of the following groups)
- Architecture**
 ARCH 2013 Residential Architecture
 ARCH 2123 Surveying
 ARCH 2353 Structural Detailing
 ARCH 3023 Commercial Architecture

Design

- DESIGN 2102 Applied Statics
 DESIGN 3004 Applied Kinematics
 DESIGN 3034 Machine Design
 DESIGN 4013 Computer Aided Drafting and Design
 DESIGN 2164 Applied Strength of Materials

Driver and Safety Education

(Closed to Health and Physical Education majors
 with a concentration in Physical Education and Safety)

- I. REQUIRED COURSES 9 hours
 SAFETY 3723 Safety Education
 SAFETY 3823 Driver and Traffic Safety
 SAFETY 4923 Driver and Traffic Safety II

- II. ELECTIVES..... 9 hours
 Courses are to be chosen from other Safety Education
 courses; HEALTH 2213, First Aid; EDUC 4232, Audio-Visual
 and/or other approved courses, workshops, seminars in
 traffic or safety education.

NOTE: This minor will meet requirements for a special
 endorsement in Driver Education. See Teacher Certification
 Catalog for details.

Electronics

- I. REQUIRED COURSES 16 hours
 ELECT 1014 Electricity
 ELECT 1024 Network Analysis
 ELECT 1054 Introduction to Electronics
 ELECT 2014 Amplifiers
- II. ELECTIVES..... 2 hours

Environmental Studies

- I. REQUIRED COURSES 3 hours
 HUM 2513 Humanities of the Great Plains
- II. ELECTIVES..... 15 hours
 (To be selected from the following)
 GEOL 1024 Historical Geology
 GEOG 2014 Physical Geography
 BIOL 3013 Environment and Man
 GEOG 3253 Conservation of Natural Resources
 SOCI 3373 Sociology of the Community
 ECON 4213 Urban Economic Problems

Ethnic Studies

- I. REQUIRED COURSES 3 hours
 HUM 2513 Humanities of the Great Plains

- II. ELECTIVES..... 15 hours
 (To be selected from the following)
 ANTH 1113 Introduction to Anthropology
 SPAN 1113 Beginning Spanish I
 SPAN 1223 Beginning Spanish II
 SOCI 3013 Racial and Cultural Minorities
 SOCI 3123 Contemporary Social Theory
 GEOG 3243 Ethnic Geography of the United States
 ENGL 3313 Black Literature in America
 ENGL 3323 American Indian Literature
 HIST 3343 History of the Plains Indians
 HIST 3353 American Negro History

French

- COURSES TO BE SELECTED FROM THE FOLLOWING..... 18 hours
 FREN 1113 Beginning French I
 FREN 1223 Beginning French II
 FREN 2113 French Grammar
 FREN 2123 French Culture
 FREN 3113 French Composition
 FREN 3123 French Conversation
 FREN 4963 Directed Readings in French

General Humanities

- I. REQUIRED COURSES 3 hours
 HUM 2113 Humanities in Early Western Culture
 or HUM 2223 Humanities in Modern Western Culture
 II. ELECTIVES..... 15 hours
 (Selected from the following, but with no more than
 6 hours with the same prefix)
 ART 2113 Art Appreciation
 ART 2313 History of Art: Pre-Historic to Renaissance
 ART 2323 History of Art: Renaissance to the Present
 ENGL 2713 World Literature I
 ENGL 2723 World Literature II
 THTR 1113 Introduction to Theatre
 MUSIC 1023 Music Appreciation
 HIST 1113 Early Western Civilization
 HIST 1123 Modern Western Civilization

German

- COURSES TO BE SELECTED FROM THE FOLLOWING..... 18 hours
 GERM 1113 Beginning German I
 GERM 1223 Beginning German II
 GERM 2113 German Grammar
 GERM 2123 German Culture
 GERM 3113 German Composition
 GERM 3223 German Conversation
 GERM 4963 Directed Reading in German

Health

(Closed to Health and Physical Education majors)

- I. REQUIRED COURSES..... 16 hours
 HEALTH 1053 Personal and Community Health
 HEALTH 2213 First Aid
 HEALTH 3244 Applied Anatomy and Kinesiology
 SAFETY 3613 Substance Abuse
 H EC 1343 Basic Nutrition
- II. ELECTIVES..... 2-8 hours
 Courses chosen from the following:
 School and Community Health Programs (3 hours)
 Physiology of Exercise (3 hours)
 Methods of Materials in Health Education (3 hours)
 HPET Special Studies (1-2 hours)
 Other Approved health or health related courses (3 hours)
- NOTE:** 24 hours in this area will meet requirements for Special Endorsement in teaching. See Teacher Certification Catalog for details.

Home Economics

There are several suggested options for the student who elects a minor in Home Economics. Concentration in any of the following areas is recommended:

- General Home Economics
- Child Development and Family Relations
- Clothing and Textiles
- Food and Nutrition

Detailed information may be obtained from the Home Economics staff.

Journalism

- JOURN 2113 Introduction to Journalism
- JOURN 3013 Newswriting
- JOURN 3043 Photography
- JOURN 3122 Yearbook Production
- JOURN 3131 Yearbook Lab
- JOURN 3233 Newspaper Production Lab
- JOURN 3343 Typography and Design
- JOURN 4213 Photojournalism
- JOURN 4803 Mass Media History
- JOURN 4813 Mass Media Law
- JOURN 4823 Case Studies in Public Relations
- JOURN 4963 Journalism Internship
- JOURN 4973 Public Relations Internship

Language Arts

It is recommended that 9 to 12 hours be selected from one of the following areas and that 6 to 9 hours be selected from one or more of the other fields listed, for a total of 18 hours. The language arts areas consist of:

Foreign Languages
 Journalism
 Library Science
 English (sophomore level or above)
 (The English option is closed to English majors)
 Theatre
 Communications (except COMM 1113)

Library Science

COURSES TO BE SELECTED FROM THE FOLLOWING..... 18 hours

LIB SC 3113 Materials Selection
 LIB SC 3123 School Libraries
 LIB SC 3223 Reference Materials
 LIB SC 4013 Organization of Library Materials
 LIB SC 4123 Children's Literature
 LIB SC 4313 Books and Materials for Young People
 LIB SC 4041-4 Seminar in Library Science

Military Science

*Four Enrollments in Basic Courses 8 hours

Total 24 hours

*Basic Courses 1000 and 2000 series and/or MIL SC 2002-8 Basic Summer Camp and/or MIL SC 2022-6 for a total of eight hours.

Music

MUSIC 1100 Ensemble (4 hours)
 MUSIC 1111 Band or
 MUSIC 1142 Choir
 MUSIC 1413 Music Literature I (3 hours)
 MUSIC 1423 Music Literature II (3 hours)
 MUSIC 2300 Theory (4 hours)
 MUSIC 2302 Fundamentals of Music or
 MUSIC 2312 Harmony & Structure
 MUSIC 2332 Harmony & Structure II
 MUSIC 2200 Private Lessons (4 hours)

Philosophy

PHIL 1113 Introduction to Philosophy
 PHIL 2213 Logic
 PHIL 3013 Ethics
 POL SC 3023 American Political Thought
 SOCI 3113 Development of Sociological Thought
 HIST 4783 Philosophy of History

Physical Education and Health

- I. REQUIRED COURSES 16 hours
 HPET 2322 Introduction to Health, Physical Education and Recreation
 HPET 4203 Movement Learning
 HEALTH 3292 Care of Athletic Injuries
 HEALTH 3303 School and Community Health Programs
 HEALTH 4503 Physiology of Exercise
 H EC 1343 Basic Nutrition
- II. ELECTIVES..... 2-8 hours
 Courses are to be chosen from Health and Physical Education and/or SAFETY 3613, Substance Abuse. Physical education activity courses will not meet this requirement.
NOTE: 24 hours in this area will meet requirements for a special endorsement in teaching. See Teacher Certification Catalog for details.

Physics

- I. REQUIRED COURSES 13 hours
 PHYS 1115 Physics I and PHYS 1215 Physics II or PHYS 2015 Physics I for Science and Engineering Majors and PHYS 2025 Physics II for Science and Engineering Majors
 PHYS 3003 Modern Physics
- II. ELECTIVES..... 5 hours

Professional Writing

- PROFWR 3103 Creative Writing — Fiction
 PROFWR 3203 Creative Writing — Poetry
 PROFWR 3991-3 Writing Workshop*
 PROFWR 4961-3 Directed Writing*

*May be repeated twice.

Psychology

- I. REQUIRED COURSES 3 hours
 PSYC 1113 General Psychology
- II. ELECTIVES..... 15 hours

Recreation

(Closed to Health and Physical Education majors)
 with a concentration in Physical Education and Recreation)

- I. REQUIRED COURSES 9 hours
 HPET 2322 Introduction to Health, Physical Education and Recreation
 HPET 3353 Camp Counseling
 HPET 3363 Community and Recreation Leadership
 Aquatic Activity Class (1 hour)

- II. ELECTIVES..... 9 hours
 Courses chosen from the following:
 Therapeutic Recreation (3 hours)
 Organization and Management of Intramurals (2 hours)
 Organization and Administration of Health, Physical
 Education and Interscholastic Athletics (3 hours)
 Sports Officiating (2 hours)
 Substance Abuse (3 hours)
 First Aid (3 hours)
 Safety Education (3 hours)
 Physical Education Activity (maximum 2 hours)
 HPET Special Studies (1-2 hours)

Recreational Arts

To be selected from the following 3 areas with a minimum of 3 hours and no more than 9 hours from any one area for a total of 18 hours.

Art

- ART 1013 Drawing I
 ART 1223 Fundamentals of Art
 ART 2183 Sculpture
 ART 2243 Painting
 ART 2433 Beginning Ceramics
 ART 3143 Crafts

Music

- (Must include MUSIC 3683 Music for the Elementary
 Teacher
 MUSIC 1202 Class Lessons: Piano
 MUSIC 1111 Band
 MUSIC 1141 Choir
 MUSIC 1023 Music Appreciation

Theatre

- THTR 1113 Introduction to Theater
 THTR 1312 Dance for Theatre I
 THTR 1413 Technical Production
 THTR 2613 Acting I
 THTR 3833 Children's Theater

Spanish

- COURSES TO BE SELECTED FROM THE FOLLOWING..... 18 hours
 SPAN 1113 Beginning Spanish I
 SPAN 1223 Beginning Spanish II
 SPAN 2113 Intermediate Spanish I
 SPAN 2223 Intermediate Spanish II
 SPAN 3113 Spanish Reading
 SPAN 3123 Spanish Composition
 SPAN 3133 Spanish Conversation
 SPAN 3203 Survey of Spanish Literature
 SPAN 4963 Directed Readings in Spanish

Speech Communications

- I. REQUIRED COURSES 9 hours
 - COMM 1113 Fundamentals of Speech
 - COMM 1133 Voice and Diction
 - or COMM 2313 Discussion Methods
 - COMM 3313 Advanced Business and Professional Speaking or COMM 3393 Interpersonal Communications
- II. ELECTIVES..... 9 hours

Theatre Arts

- I. REQUIRED COURSES 9 hours
 - THTR 1113 Introduction to Theatre
 - THTR 1413 Technical Production
 - THTR 2613 Acting I
- II. ELECTIVES..... 9 hours

ADVISEMENT CENTER

UNIVERSITY (UNIV)

1000 ORIENTATION 0 hour credit

Designed to provide survival-level information to the new student. An overview of the physical facilities and organizations of the university, policy, procedures, student services, and the library are presented. 2 clock hours.

1001 INTRODUCTION TO UNIVERSITY LIFE, 1 hour credit

A course designed to acquaint the student with the educational and social environment of Cameron University and to provide the skills necessary for transition to university life. Recognition and development of interests and aptitudes; clarification of academic/career goals; development of a student's academic plan are covered. Resources, decision making, and time management are also stressed. Lecture 1 hour. Prerequisite: UNIV 1000.

1011 CAREER DEVELOPMENT, 1 hour credit

Designed to encourage and assist students in the exploration of their interests, values, skills, personal assets, and life goals as they relate to general economic conditions and employment trends. Lecture 1 hour.

2211-5 SPECIAL STUDIES, 1-5 hours credit

A study of special lower-division areas or problems. Individual course offerings will vary from department to department.

3001 JOB SEEKER SKILLS, 1 hour credit

Designed for students in their junior or senior year of the traditional four year degree program or the final semester of an associate degree program. Students explore career opportunities beyond graduation and develop a personal job search strategy. Correspondence, resume development, and interview techniques constitute a major portion of the course content. Lecture 1 hour. Prerequisite: Junior standing.

4211-5 SPECIAL STUDIES, 1-5 hours credit

An intensive study of special upper-division areas or problems. Individual course offerings will vary from department to department.



STUDENT SERVICES

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STUDENT SERVICES

OFFICE OF STUDENT SERVICES

A variety of university services and programs providing assistance to students are organized under the title, the Office of Student Services.

The Office of Student Activities (NB 2014), the Minority Student Affairs Center, the Officer of Special Services (NB 2021) and Single Student Housing are all divisions of the Office of Student Services.

The staff, coordinated by the Dean of Student Services (NB 2014), believes that much student development occurs outside the classroom through the student programs, activities, and organizations. They work closely with students and the academic faculty, striving to improve the learning environment through an interrelation of student life and academic work. The staff is basically concerned with providing information services, general counseling, and assistance to students in their day-to-day concerns. Other specific responsibilities include: discipline, student organizations, services for students with special needs, programs for the minority student, and general help to students in emergencies.

General Services: The central office (NB 2014, ext. 280) of the Office of Student Services provides a general information and referral service. Copies of handbooks, campus rules and regulations, constitutions of student organizations, student personnel records and other data are available. A "lost and found" service is also provided.

Counseling Services: Various professionals of the Office of Student Services provide individual counseling to students experiencing concerns in some area of their personal, social, or educational life. Emphasis is placed on assisting students with problems of adjusting to college life and to establishing life goals.

Minority Student Affairs Center: The Office of Minority Affairs provides a range of supportive services to all minority students. The director and staff view all Cameron students as being vital to our academic community, hence the Office of Minority Affairs encourages personal, social, cultural, as well as academic development for all ethnic groups.

This program provides a vehicle through which minority students gain an opportunity to learn more about their own heritage and receive cultural enrichment from exposure to other ethnic backgrounds and tradition.

The Office of Minority Affairs serves as an institutional liaison to Lawton's minority community as well as sponsoring activities which celebrate the diversity of our many blends of culture.

Students with Special Needs: It is the university's philosophy that disabled students should have the opportunity to share the same educational experiences as the able bodied and in general participate in as many activities as possible.

Students can make appointments with the professional counselors in NB 2014 by calling 248-2200, ext. 280. Special brochures and maps for the physically disabled are available from the Minority Student Affairs Center (MSAC) and in the Library.

International Student Services: Counseling assistance is available to meet the unique needs of students from foreign countries. Those students who encounter problems of any nature, including financial, academic, or social adjustment, may gain assistance through this office. This function is part of the Office of Student Services located in Nance Boyer Hall, Room 2014.

However, any questions regarding immigration regulations, admission to the university, maintenance of student status and housing should be directed to the Office of Admissions and Records, Cameron University, Lawton, Oklahoma 73505.

OFFICE OF FINANCIAL AIDS (NB 2005, EXT. 290)

The office of Student Financial Aids provides financial counseling, administers scholarships, grants, loans and student employment. Opportunities for both work-study and state employment are available. Contact this office for information about BIA and Pell (BEOG) grants.

See also the General Expense section in this catalog for further information.

CENTER FOR ADVISEMENT AND STUDENT DEVELOPMENT

The Center, housed in 201 Administration, consists of (1) the Center for Advisement (2) Job Placement Office (3) Career Resources Center (4) University Testing Center and (5) the Office of High School/University Relations.

Center for Advisement

The Center for Advisement coordinates the system of academic advisement for Cameron University. All incoming and degree-bound students are referred to their academic advisor through the Advisement Center. All incoming students who have chosen a major other than Business or Accounting are referred to their academic department for advisement. Exploratory students, Business or Accounting freshmen and sophomores and pre-program-entry nursing students are assigned to advisors in the Center. Pre-professional students are referred to advisors knowledgeable of their professional interest area. Special systems are available to enhance advisement of handicapped students, veterans administration benefit recipients, evening students, students for whom English is a second language, and several other student categories.

Career Resource Center

Recognizing that career development and career decisions are an integral part of the life-learning process, the university established and maintains a Career Resource Center (CRC) in Room 201 of the Administration Building. Information and activities contained within the CRC are designed to assist users in clarifying career objectives, establishing career and educational goals and exploring employment possibilities. CRC staff maintains:

- a collection of college, university and professional school catalogs.
- a computer-based system providing information related to occupations, and post-secondary educational institutions.
- corporate literature, pamphlets, and brochures containing information related to services and products produced by industrial and governmental agencies.
- instructional packets related to career exploration and decision making processes.

Placement Office

The Placement Office at Cameron University was established to assist students and alumni in obtaining employment commensurate with their skills, abilities and talents. Placement Office staff are trained and experienced in providing professional assistance to users seeking objective, accurate information related to career planning and employment. The staff coordinates an on-campus interview program designed to bring together registrants and representatives from business, governmental agencies, industry and educational institutions. Other related services include maintenance of a Career Resources Center, distribution of vacancy announcements, conducting of Career Development and Job Seeker Skills workshops and courses.

The Career Development course is designed to encourage and assist students in the exploration of their interests, values, skills, personal assets, and life goals as they relate to general economic conditions and employment trends. The course, Job Seeker Skills, is designed for students in their junior or senior year of the traditional degree program or the final semester of an associate degree program. Students explore career opportunities beyond graduation and develop a personal job search strategy. Correspondence, resume development and interview techniques constitute a major portion of the course content. All credential files established since August, 1977 are open files; a user may have access to his or her file upon request.

Testing Services

A wide-ranging testing program is provided for all students through the University Testing Center. Tests and surveys available to Cameron students include those in the areas of aptitude, interest, personality, and career development. Staff personnel are available to interpret test/survey results and discuss with students the options available to them.

The Testing Center also provides registration and supervision for the ACT (American College Testing), GRE (Graduate Record Examination), MAT (Miller Analogies Test), and the LSAT (Law School Admissions Test).

Through the CLEP and DANTES examination programs, any person with substantial knowledge of a subject, whether gained through high school or other experiences, may receive credit for certain college courses. In addition to these nationally standardized tests for credit, students may also obtain college credit by successful performance on institutionally prepared exams.

As a service to the Cameron/Lawton communities, the Testing Center will also proctor correspondence course examinations upon request. To schedule tests, or to request information about any of the tests listed above, please contact the University Testing Center, 201 Administration Building, Ext. 206.

High School University Relations

The Office of High School/University Relations maintains contact with area schools and residents to inform them of the educational opportunities that exist at Cameron University. The Coordinator oversees the university's recruiting program. Campus tours may be arranged through the Coordinator.

This office also administers the freshman scholarship program for fee waivers and dorm room scholarships. The deadline for applications is March 1. Sophomore students with undecided majors may apply to this office for scholarship aid.

TUTORIAL LABORATORIES

The Reading Center. Located in the north wing of Nance-Boyer Hall, the Reading Center assists students in improving skills of comprehension, vocabulary, study skills and reading rate. A service of the Department of Education and Psychology, the Reading Center is staffed by specialists who are experienced in diagnosing and eliminating reading and study problems. A student visiting the Reading Center is tested to determine the materials best suited to the identified problems, then given a program of individualized instruction designed to strengthen reading and/or study skills.

The Fine Arts Listening Laboratory. Housed in Haggard Hall, this laboratory contains the university's collection of records, musical scores and slides. Listening reproduction is available from a state-of-the-art sound system generated by phonograph, cassette, or reel-to-reel machines. This lab is designed to assist Fine Arts students with audio and video enhancements to courses in the division.

The Physical Science Tutorial Program. The objectives of the physical science tutorial program are to (1) help students overcome background deficiencies in chemistry, (2) to help students who are having difficulty understanding and applying chemical principles, (3) to help students having difficulty with problem solving, and (4) to assist minority students who are experiencing difficulty with chemistry due to language problems. The program seeks to reach students with pre-determined

needs, as well as students with less obvious needs, by rendering tutorial assistance to all who voluntarily avail themselves of the opportunity. The Physical Science Tutorial Laboratory and the tutorial instructor's office are located on the second floor of the Physical Science Building.

The Writing Tutorial Laboratory. Individualized instruction, computer assisted instruction, one-to-one relationships, mini-labs and special classes of ten students or fewer have characterized the Writing Tutorial Laboratory at Cameron University. Small groups of students regularly participate on a voluntary basis in the mini-labs which are devoted to subjects such as word processing, spelling, theme structure, usage, and style. The Division of Language Arts operates the writing lab which is located in the northeast wing of Nance-Boyer Hall, Room 2001. Workshops in writing utilize the lab as a technical environment, and a student interested in poetry, mythology, or literature can find computer programs to explore those areas.

In addition, the Department of English offers a formal three credit hour course for beginning students with grammatical deficiencies. The course begins with the recognition of verbs and proceeds through paragraph development.

The Mathematics Tutorial Laboratory. Located in Burch Hall, the Mathematics Tutorial Laboratory is available to students who are enrolled in mathematics classes and to students in other classes where mathematics is involved. The lab is staffed by a specialist in mathematics and is equipped with both scientific and statistical calculators. Participation by students is strictly voluntary and may be on an irregular, drop-in basis.

The Accounting Tutorial Laboratory. The Accounting Laboratory is located on the second floor of Howell Hall. Although the emphasis is to aid students in the Principles of Accounting courses, the lab is open to anyone who has a problem or question in any level of accounting. The lab is staffed by a specialist in accounting and is equipped with calculators, tape recorders, video cassettes and programmed learning materials. The emphasis is on individual assistance, but special review sessions and other group activities are scheduled. Participation is voluntary and the laboratory is available 40 or more hours per week at times to accommodate both day and evening students.

The Computer Science Tutorial Laboratory. A tutorial service for computer science students is available in the computer laboratory in Burch Hall. Students who require only the answer to a very specific question are assisted by the tutorial assistants in the laboratory. Students in need of more extensive assistance will be referred by the tutorial assistant to the faculty member in charge of the tutorial service or to the professor in charge of the course.

The Social Science Auto-Tutorial Laboratory. In the 1984 fall semester the Division of Social Sciences began operation of a self-paced tutorial lab to assist students who are enrolled in introductory sociology, history, and political science courses. The laboratory will utilize materials which will emphasize the major concepts covered in each of the courses. Students may view and listen to specialized audio-visual materials designed to provide course enrichment as well as reinforcement of major course concepts and objectives. The lab is located in West Hall.

LIBRARY

Cameron University's library is a modern facility that provides an attractive academic environment to students and faculty. New construction and renovation of the old library was completed in 1983. The library's collection contains 183,000 volumes of printed materials, 163,224 units of microform, 2,338 titles of non-print media and over 2,500 serial titles. Open stacks provide easy access to materials and a staff of librarians is available for assistance.

Every effort is made to maintain and improve bibliographic access to materials through various indexing, abstracting and bibliographic services. Since 1977, the library has been a member of the AMIGOS Bibliographic Council. This organization provides computerized services to over 3,335 libraries and provides bibliographic information for over eleven million documents. Most of these documents are available to students and faculty through the automated interlibrary loan system.

The library provides services 51 weeks each calendar year and is open 78.8 hours each week during the academic year.



STUDENT LIFE

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STUDENT LIFE

STUDENT ACTIVITIES

More than thirty clubs and organizations have been established to meet the diverse needs and interests of students living within residential housing or commuting to Cameron. The Director of Student Activities assists student clubs and organizations in program planning and development. Clubs and organizations seeking university recognition may acquire necessary forms and assistance through the Office of Student Services. (NB2014) This office also maintains the Master Calendar of all campus activities and coordinates the use of campus facilities by student groups.

INTERCOLLEGIATE ATHLETICS

The Athletic Department is supervised by the Director of Athletics (ADMIN 445). The Intercollegiate Athletic Committee, a secondary committee of the Institutional Services Committee, serves in an advisory capacity to the Athletic Director.

Cameron University is a member of the National Association of Intercollegiate Athletics (NAIA). Its teams are consistently ranked among the best and compete successfully against the top teams in the nation. Included in the present program are the sports of football, basketball, baseball, softball, golf, riflery and tennis.

INTRAMURALS

Cameron University, through its Health and Physical Education Department, offers an extensive intramural program. Activities include basketball, flag football, softball, badminton, tennis, bowling, volleyball, and archery. During the year, other sports may be offered depending upon student demand and availability of facilities and supervisory help.

STUDENT ACTIVITY FACILITIES

The Davis Memorial Student Union, a modern one-story structure contains a lounge area, bookstore, United States Post Office, card playing area and snack area.

The Student Government Building, located on University Drive, is the seat of Student Government activities and houses all Student Government offices. There are rooms available for guest speakers, club meetings, study groups and other student activities on a first come-first serve basis. Use of this facility does require a Facility Request Form, in

advance, which may be obtained from the Student Services Office. (NB2014)

Cameron Stadium is a bowl type modern football field, with artificial turf and with a seating capacity of approximately 10,000. The stadium is complete with concession facilities, press box, dressing rooms and ample parking.

McCord Field is a baseball park complete with concession facilities, press box and ample parking. It has a seating capacity of approximately 1,000.

The gymnasium has a seating capacity of approximately 1,800. The building is complete with dressing facilities, four all-purpose classrooms, coaches' offices and offices for the Physical Education Department.

All of the athletic facilities are modern and well equipped. The facilities are available for student use and are used regularly for intramural activities. State play-offs for area high schools are regularly held in Cameron facilities. The football stadium is also used by three local high schools for their home games.

DEPARTMENTAL ORGANIZATIONS

By participating in departmental clubs and honorary societies, students become better acquainted with the faculty and students in their major fields, thus enriching their college experience. In addition, they may learn of the opportunities for professional advancement available to them after they graduate. Information about the approximately twenty departmentally-affiliated clubs is available through the Office of Student Activities or through the individual departments.

RELIGIOUS ORGANIZATIONS

Cameron University is a state-supported, non-sectarian institution, but it recognizes the importance of the spiritual life and cooperates with many off-campus groups that fulfill the religious needs of the community. Lawton is a city of many fine churches. Several denominations have built very attractive student centers within easy walking distance of the campus. These include the Baptist Center, the Church of Christ Bible Chair, and the Cameron Campus Ministry, sponsored by an affiliation of several denominations. Each of these conducts student programs under the direction of professionally trained persons.

STUDENT GOVERNMENT

The Student Government is the governing body representing all Cameron University students. This organization, comprised of Senators from the academic departments and Representatives from the student organizations, is presided over by the popularly-elected Student Government President. The purpose of the Student Government is to promote the interests and welfare of the student body. A major committee, the Student Activities Council, is responsible for promoting social, cul-

mote the interests and welfare of the student body. A major committee, the Student Activities Council, is responsible for promoting social, cultural, recreational, educational and other special activities for the students.

Closely affiliated with the Student Government are the student-faculty-administrative committees for the University Governance System. More than forty students serve as members on these standing committees.

CULTURAL PROGRAMS

A wide range of cultural events is presented each year by the various departments and special committees on campus.

The Lecture and Concerts Committee sponsors both popular and classical musical concerts while also bringing to campus a number of eminent speakers on many subjects, from politics to science.

In the Division of Fine Arts, the Department of Art sponsors annual exhibits and workshops by well-known visiting artists. The Forensics/Debate team sponsored by the Department of Communications provides students opportunities to compete on a national level in debate and individual events. The Department of Music offers students numerous opportunities to perform in bands, choirs, ensembles as well to study on a musical instrument. In cooperation with the Department of Theatre Arts, musical theatre productions are fully staged each year and several major theatrical productions are mounted in the university theatre. All of the activities of the Fine Arts Division are open to Cameron University students whether a major or non-major in one of the departments.

The city of Lawton also provides students with any number of cultural opportunities, including The Lawton Philharmonic Orchestra, the Lawton Community Theater, the Museum of the Great Plains and the Lawton Public Library.

HONOR SOCIETIES AND PROFESSIONAL RECOGNITION

Cameron University has several honor or professional societies which elect members either on scholastic achievement or on the basis of special service or accomplishment in a professional area. Most of this recognition is departmental. Phi Kappa Phi, however, recognizes the top juniors and seniors from throughout the university. It is a national honor society for those students meeting exceptional scholastic and character requirements.

The Dean's List, published each semester, includes all full-time Cameron University students whose semester grade point average is 3.0 or better, while only those full-time students earning 4.0 grade point average make the President's List.

Special university-wide recognition is given each year to those upper division students who are chosen for WHO'S WHO AMONG STU-

DENTS IN AMERICAN UNIVERSITIES AND COLLEGES. Totaling approximately one percent of the student body, these recipients are selected on the criteria of outstanding scholarship, leadership, citizenship and potential.

CAMERON UNIVERSITY ASSOCIATION

The purpose of the Association is to further the interests of Cameron University and to promote a mutually beneficial relationship between the university and its alumni, former students and friends. The Association attempts to effect this closeness through its programs and services. These programs are administered by the Department of Educational Outreach.

Membership is open to all who are interested in the growth and development of the university. Annual membership is \$10.00 and life membership is \$125.00. Directors are elected by the members and serve a three year term. Officers are nominated by a committee and elected by the members for a one-year term. Information can be obtained by contacting The Cameron University Association, 201 Administration Building, Cameron University, Lawton, Oklahoma 73505.

MOTOR VEHICLE REGISTRATION

Students are permitted to own and operate motor vehicles, including automobiles, motorcycles, mopeds and motor scooters. Those who operate a motor vehicle or a bicycle must abide by the university traffic and parking regulations (regulations are printed in the Student Handbook). Students are to register each vehicle operated on campus with the Business Office located in the Administration building. A parking fee is charged for each registered vehicle. Unregistered vehicles are subject to fine or impoundment.

PUBLICATIONS

All official student publications of the university are published under the policies of the Student Publications Committee, a representative board of students, faculty and administrators.

The University Yearbook

The Wichita, published each spring, is a permanent record of activities involving the student body, clubs and organizations, athletics, faculty and staff during the school year.

The University Newspaper

The Cameron Collegian, an official publication of the university, is published by members of the staff, with the assistance of students in

newswriting and photography classes. The paper serves the function of reporting news at Cameron University and providing training in journalism. Any student may work on the newspaper by enrolling in JOURN 3233, Newspaper Production Lab, or by applying for a position. Some paid positions are available.

Cameron Forum

The Forum, an annual campus literary magazine, is published under the joint sponsorship of the Division of Language Arts and the Division of Social Sciences. Students and faculty who are talented in writing, photography, or art may contribute essays, poetry, short stories, scholarly articles, sketches, and photographs to this magazine which began publication in 1978.

HEALTH SERVICES

Full-time Cameron University students may receive emergency care, first aid and treatment of common minor ailments by reporting to the Emergency Room of Comanche County Memorial Hospital. Through an agreement between Health Services and the Hospital Board, full-time students may receive such treatment without charge for the Emergency Room or for the nurse's services. Medicine, physician's services, diagnostic treatment, etc., are charged to the student. Students are expected to have general medical needs met by their personal physicians, dentists, or clinics.

Insurance Plan for Students —The university provides enrollment forms for a student health insurance plan specifically designed and rated for Oklahoma college students.

R.O.T.C. Medical Eligibility —Satisfactory completion of a physical examination is required prior to participation in the advanced Military Science Program.

STUDENT CONDUCT

The rules and regulations for the conduct of students attending Cameron University are listed in several official university publications.

Regulations and policies relating to the students of Cameron University are made with the view of protecting the best interests of the individual, the general welfare of the entire student body and the educational objectives of the university.

Student violations of these rules and regulations are reviewed by administrative officers having disciplinary responsibilities. The decisions made by these officers are subject to appeal, either administratively or by proper referral to special hearing committees.

When a student is suspended or dismissed for disciplinary reasons, this fact shall be recorded on the student's records. The grades recorded for the student for that semester shall be determined in the same way as if the student had withdrawn voluntarily and any refund of fees shall be determined by the regular refund policy.

ACCESS TO STUDENT RECORDS

The Family Educational Rights and Privacy Act of 1974 provides that students should be informed as to the location of their educational records and the administrator who is responsible for their maintenance. Student records are filed in a variety of offices as listed in the *Student Handbook*. The administrative officers are responsible for the records under their control and for the appropriate release of information contained in these records. Cameron University forwards educational records on request to other educational institutions in which a student seeks or intends to enroll without providing any further notice to the individual regarding the transfer of records.

Release of Student Information. Student records are confidential in the sense that the information contained in these records is given voluntarily by the student for the private use of the institution for educational purposes only. The information contained in student records is of two different types:

Directory Information. Directory information may be released by authorized university officials to competent interested persons without the consent of the student. This information consists of:

- Name
- Address
- Telephone number
- Current enrollment status
- Athletic program information
- Previous institution most recently attended
- Degrees and awards received
- Dates of attendance
- Dates of graduation
- Date of birth
- Place of birth
- and other similar information as permitted in the Family Education rights and

Privacy Act (Pub. L. 93-568, Sec. 99.3)

A student may restrict the release of all or part of the Directory Information by filing a form with the Office of Admissions and Records.

Personally Identifiable Information. All other information contained in student records and not listed as directory information falls into the second, or restricted category. This type of restricted information is found mainly in

- (1) the academic record maintained by the Office of Admissions and Records and controlled by the Director of Admissions and Records;
- (2) the personal record kept in the Office of Student Services, under the jurisdiction of the Dean of Student Services; and,
- (3) the records of the various other university offices of Financial Aids, Placement, Security and Housing, supervised by their respective directors.

To protect the right of the student or graduate, it shall by the policy of the university to release this restricted information to other persons or agencies, only as provided under section 99.31 or with the approval of the student or graduate or upon subpoena.

or agencies, only as provided under section 99.31 or with the approval of the student or graduate or upon subpoena.

Emergency situations may develop which could necessitate the release of restricted information without the approval of the student or proper legal action. In these emergency situations, where the immediate welfare of the student or the university may be in jeopardy, the administrative official in charge of the office maintaining the requested information will make the decision regarding the release of the information. In cases where the responsible administrator is not available to make the decision, or, if he or she decides not to release the information, an appeal to secure the information may be made to the University President.

STUDENT UNION AND POST OFFICE

The facilities of the Clarence L. Davis Memorial Student Union are open to Cameron University students, faculty, staff and guests.

The Student Union provides a gathering place for students and faculty from 7:00 a.m. to 10:00 p.m., Monday through Friday. The Union is also available on weekends for special events and activities, preapproved by Student Services and the Bookstore Manager.

From the hours of 8:30 a.m. to 2:30 p.m. during the week there is an attended game room featuring pool, ping pong and various arcade games. Other special features in the evenings are offered on a regular basis: free pool, ping pong and a big-screen television. All these facilities are available for student and organization use with prior approval.

The Union also has a snack bar which provides a variety of fast food items and drinks. Hours of service are from 6:30 a.m. to 3:00 p.m. with the grill closing at 2:00 p.m., daily. Snacks and drinks are also available from vending machines.

Also located in the Student Union is a faculty lounge and a "quiet" room where students may study and still enjoy a snack.

The Cameron University Post Office is located in the Davis Memorial Student Union with operating hours from 8:30 a.m. to 12:30 p.m., Monday through Friday. The lobby is open on Saturday from 8:00 a.m. to 4:30 p.m. for access to post office boxes. A mail box is located outside the union for mailing letters when the Post Office is closed.

The Post Office sells stamps, money orders, postcards, and envelopes. It is also a convenient facility for students and faculty to mail packages.

BOOKSTORE

The Cameron University Bookstore is located in the Davis Memorial Student Union. Hours of operation are Monday through Thursday, 7:30 a.m. until 7:00 p.m.; and Friday, 7:30 a.m. until 2:30 p.m. Special hours are arranged during periods of heavy demand.

In addition to required course texts, students will also find study guides and supplementary materials for classes. Individuals may also

place special book orders through the bookstore. The bookstore carries school supplies, plus a variety of clothing, jewelry, gift items, greetings cards and sundries. A T-shirt press is available for specialty shirts for clubs and organizations, as well as for individuals.

Students are invited to visit the bookstore frequently and to take advantage of its periodic sales.

The bookstore conducts a textbook "buy back" at the end of each semester for a period of seven days during the week of finals. This is the only time students may sell unwanted texts from previous semesters. Books must be current editions that are being used the next semester for the bookstore to purchase them at half price. Current editions not being used at Cameron will sometimes be purchased at a wholesale price.

Textbook Return and Refund Policy: Receipts from the bookstore should be kept since no refund or return will be considered without a sales slip. All textbooks, lab manuals, and study guides, in new condition without marks or damage, may be returned for a refund within the first two weeks of the term in which they were purchased. After two weeks, all textbooks will be considered used and will be bought back at half of the new price. Lab manuals and study guides will not be accepted. To receive a refund after two weeks, a student must have a drop slip in addition to his/her receipt.

After six weeks of the semester have gone by, the bookstore will buy back textbooks at wholesale prices only if the student withdraws completely from school.

Evening, Summer Day, Workshops and Intersessions: For textbook refunds see current enrollment schedule.

RESIDENCE HALLS

All students residing in college housing on the Cameron University Campus live in air-conditioned May Shepler Hall, a modern, ten-story, co-educational high-rise. Women residents live in the upper floors while men reside in the lower floors. All residents of the tower share common lounge and cafeteria areas. Food service in the Shepler cafeteria is included in the total cost of housing. A snack bar is also provided within the Shepler housing complex.

May Shepler Hall is supervised by a trained professional staff consisting of the Director of Housing Resident Supervisors and Resident Assistants. All staff members live in the residence area for which they are responsible. Their responsibility includes supervision of the hall, providing counseling and referral services for residence students and providing leadership in the development of educational, cultural, social and athletic programs for residents.

FOOD SERVICES

Resident student dining rooms are located in the Shepler Center Complex. The building features the newest and finest facilities in the modern, clean kitchen and serving-line areas. The dining rooms are tastefully and comfortably furnished to add to the enjoyment of meals.

Meals are provided by an outside professional food service under contract with the university. Three optional meal plans are available, either a 10, 15 or 20 meal per week ticket. Each resident must choose one of these plans. A meal ticket must be presented and punched before the resident may enter the dining room for meals.

Breakfast, lunch, and dinner menus present a nutritious variety of foods for the student's selection. In addition to the cafeteria line, a colorful salad bar, a sandwich bar and a dessert bar are also provided. Meals on holidays are special events, and theme meals, such as western barbecues and luaus are prepared throughout the year. Food Service strives to make residence living a pleasant experience in the life of a college student.

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- 10. Clarence L. Davis Student Union
- 11. Library
- 12. Physical Science
- 13. Smith Building
- 14. Cameron Stadium
- 15. Burch Hall
- 16. Howell Hall
- 17. Administration
- 18. Shepler Center

- 1. Nance-Boyer Hall
- 2. South Hall
- 3. West Hall
- 4. Cameron Hall
- 5. Phys. Facilities/Security
- 6. Maintenance
- 7. Biology
- 8. Gymnasium
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