1946-1947 Bulletin

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THE EDUCATIONAL AIMS OF THE UNIVERSITY OF DAYTON

The University of Dayton proposes as general objective the complete and harmonious development of all the capacities of man's nature—religious, moral, intellectual, aesthetic, social, and physical. Participation in the widely-varied college activities induces the student to exercise all these powers of soul and body. Moral instruction and adequate campus discipline emphasize the importance of personality development and character formation, while a comprehensive academic program furnishes ample fields of study. Thus college becomes not only a preparation for life, but an integral part of life itself.

The particular objectives are threefold: to give the student a liberal education by training in the natural and social sciences, language, and literature; to prepare for prospective careers in business, art, music—for the professions of teaching and engineering—for professional schools of law, medicine, and dentistry—and for graduate study with research in special fields; to establish, in all divisions, a strong sense of social responsibility—to foster leadership both by the theory and the practice of sound principles of religion, philosophy, sociology, economics, and political science.

EDUCATION OF VETERANS

All Departments of the University have been approved by the Veterans' Administration for training under both the Servicemen's Readjustment Act of 1944 (G. I. Bill of Rights) and the Vocational Training Act. Credits earned during military service are accepted after an evaluation in terms of the University's standards and the course of study for which the veteran applies. An adequate counselling service is available under the direction of the Veterans' Adviser, whose office is located in Room 204, St. Mary's Hall.

GRADUATE RECORD EXAMINATION

A large number of Graduate Schools in the United States and Canada recommend, and some require, that the results of the examinations prepared as a project of the Carnegie Foundation for the Advancement of Teaching be submitted as one of the credentials for admission. The University of Dayton is a center for the administration of these tests. Inquiries should be addressed to:

The Graduate Record Examination
437 West 59th Street
New York 19, N. Y.
GENERAL INFORMATION

CALENDAR

FALL TERM, 1946

September 9, 10, 11, Psychological tests for all new students.
September 12, Thursday. Registration for Sophomore, Junior and Senior Classes.
September 13, Friday. Registration for Freshmen.
September 16, Monday. Classes start at 8:00 a.m.
September 19, Thursday. Mass in Honor of the Holy Ghost at 8:00 a.m.
October 7, 8, 9, Annual Retreat during three class periods each day.
November 1, Friday. Feast of All Saints. No classes.
November 9, Saturday. Mid-term progress reports.
November 27, Wednesday. Thanksgiving recess begins at noon.
December 1, Sunday. Campus students return before 11:50 p.m.
December 2, Monday. All classes resume.
December 19, Thursday. Christmas recess begins at noon.

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January 2, Thursday. Campus students return before 11:50 p.m.
January 3, Friday. Classes resume.
January 20-24, Final examinations to Friday noon.

WINTER TERM, 1947

January 27, 28, 29, Psychological tests for all new students.
February 3, Monday. Registration for Sophomores, Juniors and Seniors.
February 4, Tuesday. Registration for Freshmen.
February 5, Wednesday. Classes begin at 8:00 a.m.
February 19, Ash Wednesday.
March 29, Saturday. Mid-term progress reports.
April 2, Wednesday. Easter recess begins at noon.
April 7, Monday. Campus students return before 11:50 p.m.
April 8, Tuesday. Classes resume at 8:00 a.m.
May 15, Ascension Thursday. No classes.
June 2-6, Final examinations to Friday noon.
UNIVERSITY OF DAYTON

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Assistant Supervisor, St. Joseph Hall.

EDWARD G. WESTBROCK, S.M.
Manager, U. D. Book Store.

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College Physician.

SISTER M. BARTHOLOMEW, M.S.C., R.N.

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Assistant Dean and Acting Head of the Division of Arts of the College of Arts and Sciences.
Director of the Evening Classes.

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Acting Head of the Division of Business Administration.

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Associate Dean.
Head of the Division of Education.

FRANCIS J. MOIZ, S.M.
Associate Dean.
Head of the Division of Science.

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Acting Head of the College of Engineering.
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   Faculty Supervisor of Athletics.
WILLIAM A. DAPPER, S.M.
   Treasurer.
FRANCIS J. MOLZ, S.M.
WILLIAM J. WOHLLEBEN, S.M.
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LOUIS R. MAHRT
MERLE P. SMITH
MARTIN C. KUNTZ
J. ELLIS MAYL

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Assistant Registrar.
MRS. ROBERT PERKINS
Secretary, Division of Arts.
RITA WILL
Secretary to the Librarian.
ELEANOR A. RYAN
Information.
ROSE C. STEPHAN
Secretary to the Treasurer.

UNIVERSITY PHYSICIANS

A. W. CARLEY, M.D.
C. J. DERBY, M.D.
E. J. DRISCOLL, M.D.
M. R. HALEY, M.D.
A. P. McDONALD, M.D.
E. A. MILLONIG, M.D.
C. D. PADAN, M.D.
W. A. REILING, M.D.
R. C. SCHNEBLE, M.D.
CLARENCE SOMSEL, M.D.
LEON DEGER, D.D.S.
C. J. SCHNEBLE, D.D.S.
FACULTY
(Day and Evening Classes)

The year appearing in parenthesis after the academic rank and official position indicates the date of the present appointment.
Part-time members of the faculty are indicated by (*).

SISTER AGNES IMMACULATA, S.N.D., B.A., M.A.
Associate Professor of English (1942); Dean of Women (1942).
B.A., Xavier University, Cincinnati, Ohio, 1922; M.A., University of Notre Dame, 1934.
High School teaching and administration, 1922-1938; Instructor in English, University of Dayton, 1938-1941; Graduate study, Catholic University of America, 1939-1942; Assistant Professor of English, University of Dayton, 1941-1942.

EDNA ANDERSON, R.N., B.A.
Head Nurse, Operating Room Supervisor, General Supervisor and Instructor, Warren State Hospital, Warren, Pennsylvania. Instructor, Psychiatric Nursing, Allentown State Hospital, Allentown, Pennsylvania. Instructor, Medical, Surgical and Psychiatric Nursing, St. Elizabeth Hospital School of Nursing, Dayton, Ohio.

HARRY CLIFFORD BAUMAN, Ph.B. of C.
Associate Professor of Physical Education (1939); Athletic Director (1922).
Ph.B. of C., University of Notre Dame, 1917.

REV. EDMUND JOSEPH BAUMEISTER, S.M., B.S., Ph.D.
Dean of Graduate Division (1940); Professor of Education (1938).
B.S. in Education, University of Dayton, 1928; Ph.D., the Ohio State University, 1939.
High School teaching, 1923-1926; Professional and Graduate studies, University of Fribourg, Switzerland, 1928-1932; Instructor of Philosophy and Education, University of Dayton, 1932-1935; Graduate study, Catholic University of America, Summers, 1933-1935; Ohio State University, 1935-1938.

WILLIAM ANTHONY BECK, S.M., B.S., M.Sc., Ph.D.
Professor of Biology (1926); Research Professor, Institutum Divi Thomae, Cincinnati, Ohio (1935). Absent on Leave.
B.S., University of Dayton, 1908; M.Sc., University of Fribourg, Switzerland, 1912; Ph.D., University of Fribourg, Switzerland, 1926.
High School teaching, 1906-1909; Graduate study, University of Fribourg, Switzerland, 1909-1912, 1924-1926; Instructor in Physics and Biology, University of Dayton, 1912-1924.
GENERAL INFORMATION

WILLIAM JOSEPH BELLMER, S.M., B.S., M.A.

Head of Department and Professor of Mathematics (1935).

B.S., University of Dayton, 1921; M.A., Catholic University of America, 1932. High School teaching, 1921-1927; Instructor in Mechanical Drawing and Mathematics, University of Dayton, 1927-1931; Graduate study, Catholic University of America, 1932-1935; Special studies, Northwestern University, Chicago, Illinois, Summers, 1937 and 1938.

*HAROLD BERKE, B.S. in Aero. E.

Instructor in Mathematics (1943).

B. S., University of Cincinnati, 1937.

MICHAEL ANTHONY Bobal, S.M., B.S.

Instructor in Chemistry (1939).

Absent on leave.

B.S., University of Dayton, 1934.

High School teaching, 1932-1933; Instructor in Mathematics and Science, University of Dayton, 1933-1939; Graduate study, Western Reserve University, Summer, 1939; the Ohio State University, Summer, 1942; Teaching Staff, A.S.T.P., 1943-1944.

REV. JOSEPH S. BRUDER, S.M., B.A., S.T.D.

Instructor in Philosophy (1945).

B.A., University of Dayton, 1924; S.T.D., University of Fribourg, Switzerland, 1935.

Instructor of Latin and Greek, University of Dayton, 1924-1929; Graduate study, University of Fribourg, 1929-1935; Instructor, Sangtze Middle School, Hankow, China, 1935-1943; Graduate study in Philosophy, Catholic University, Washington, D.C., 1944.

EDWARD ROBBINS BURROUGHS.

Assistant Professor of Art (1941); Dean, School of the Dayton Art Institute (1937).

Graduate, Maryland Institute of Fine and Applied Art, 1926. Instructor in Drawing and Commercial Art, Maryland Institute, Baltimore, Maryland, 1925-1926; Graduate study, Maryland Institute, Baltimore, Maryland, 1926; Instructor in Painting, Charles Walther School, Baltimore, Maryland, 1926; Instructor, Commercial Art, Graphic Arts and Painting, The Dayton Art Institute, 1926; Instructor in Art, Oakwood Schools, Dayton, Ohio, 1928; Instructor in Fine and Applied Art, Wittenberg College, Springfield, Ohio, 1927-1931; Instructor in Art, University of Dayton, 1938-1941.

SGT. WILLIAM FRANCIS BURTON, U. S. Inf.

Assistant Instructor in Military Science and Tactics (1944).
LIDA MAY CAMPBELL, B.A., M.T.  
Instructor in Hematology, Miami Valley Hospital School of Medical Technology.  
B.A., Wittenberg College, Springfield, Ohio, 1930; M.T., Springfield City Hospital, Springfield, Ohio, 1932.  
Professional experience, Springfield City Hospital, Springfield, Ohio, 1933-1939; Youngstown Hospital Association, Youngstown, Ohio, 1939-1940; Peoples Hospital, Akron, Ohio, 1940-1941; Diagnostic Laboratories, Miami Valley Hospital, since 1941.

JOSEPH JENKS CHAMBERLAIN, JR., C.E., M.C.E.  
Associate Professor of Civil Engineering (1941).  
C.E., Cornell University, 1911; M.C.E., Harvard University, 1912.  
Designing Engineer, Austin Company, Cleveland, Ohio, 1913-1915; Designing Engineer, Watson Engineering, Cleveland, Ohio, 1915-1920; Partner of Smith-Chamberlain, Architects and Engineers, Dayton, Ohio, 1920; Assistant Professor of Civil Engineering, University of Dayton, 1937-1941; Consulting Engineer, Dayton, Ohio, since 1941; Teaching Staff, A.S.T.P., 1943-1944.

REV. CHARLES LEO COLLINS, S.M., B.A., Ph.D.  
Dean of the University and Registrar (1944), Director of Summer Sessions (1945), Professor of Psychology (1945).  
B.A., University of Dayton, 1925; Ph.D., Fordham University, New York, 1941.  
High School teaching, 1925-1931, 1936-1937; Professional and Graduate studies, University of Fribourg, Switzerland, 1931-1936; Graduate study, Fordham University, New York, 1937-1941; Instructor in Psychology, University of Dayton, 1941-1944; Assistant Professor of Psychology, University of Dayton, 1944-1945.

URBAN A. DEGER.  
Instructor in Music (1939).  
Studied music under Michael Lurz, S.M., 1899-1902; under Dr. W. L. Blumenschein, Dayton, Ohio, 1901-1903; under Dr. N. J. Elsenheimer and Professor W. S. Sterling, College of Music, Cincinnati, Ohio, 1906-1908; Organist and Choir Director, Dayton, Ohio.

*HENRY KIRK DEXTER, B.S., B.S. in Ed.  
Instructor in Mathematics (1945).  
B.S., University of Dayton, 1935; B.S. in Ed., Miami University, 1936. High School teaching, 1936-1941; Graduate study, Miami University, summers and extension, 1937-1939.

*VINCENT CARL DiPASQUALE, B.A., M.A.  
Instructor in Italian (1945).  
B.A., University of Michigan, 1933; M.A., University of Dayton, 1946. Teacher in Dayton public schools, 1933-1934; Principal, 1944—.
*Marcella Geneva Disbro, B.S.
   *Instructor in Music (1944).
   B.S. in Education, Ohio State University, 1934. Supervisor of Music, Madison Township School (Trotwood), 1934-1935; Supervisor of Music, Newton Township School (Pleasant Hill), 1935-1937; Music Department, Central School, Dayton, Ohio, 1937; Graduate study, Ohio State University, Summers, 1937, 1938, 1939, 1940, 1941, 1942.

Aloys Charles Doyle, S.M., B.S.
   *Instructor in Physical Education (1943).
   B.S., University of Dayton, 1919.
   High School administration and teaching, 1919-1939; Faculty Supervisor of Athletics since 1939; Teaching Staff, A.S.T.P., 1943-1944.

Edward Joseph Dury, S.M., B.S., M.S.
   *Instructor in Biology (1943).
   B.S. in Education, University of Dayton, 1924; M.S., University of Pittsburgh, Pennsylvania, 1943.
   High School teaching, 1922-1943; Graduate study, University of Pittsburgh, Pennsylvania, 1940-1943.

Rev. Florian Joseph Enders, S.M., B.A.
   *Assistant Professor of Philosophy (1945).
   B.A., University of Dayton, 1928.
   High School teaching, 1928-1933, 1937-1938; Professional and Graduate studies, University of Fribourg, Switzerland, 1933-1937; Instructor in Philosophy, Trinity College, Sioux City, Iowa, 1938-1942; Graduate study, Catholic University of America, Summer, 1941; Instructor in Philosophy, University of Dayton, 1942-1945.

Robert A. Enoch.
   *Instructor in Music (1940).
   Instruction in clarinet under Joseph Elliott of the Cincinnati Symphony Orchestra, 1939-1940; piano and composition under Dr. L. W. Sprague, 1939-1941; First Clarinetist with the Dayton Philharmonic Orchestra, 1939—.

Julia Carey Everett, R.N., B.S.
   Staff Nurse, Head Nurse, Instructor, Assistant Director of Nurses, and Pediatric Supervisor, St. Elizabeth Hospital, Dayton, Ohio. Physician’s Office Nurse. Staff Nurse, Good Samaritan Hospital, Dayton, Ohio. Supervisor, Pediatric Department, St. Elizabeth Hospital, Dayton, Ohio.

*Richard Albert Fraine, Com. E.
   *Instructor in Engineering (1945).
   Com.E., University of Cincinnati, 1930.
   Supervisor of Industrial Engineering Department of the Standard Register Company, 1934—.
Eunice Frazier, B.A., M.A., M.T.
Instructor in Bacteriology, Serology and Parasitology, Miami Valley Hospital School of Technology.
B.A., University of Missouri, Columbia, Missouri, 1918; M.A. and M.T., University of Missouri, 1920.
Special studies, University of Chicago, 1927-1928; Instructor in Bacteriology, University of Missouri, 1918-1920; Instructor in Bacteriology, Mississippi State College for Women, 1922-1923; North Dakota Health Laboratory, Grand Forks, North Dakota, 1923-1937; Diagnostic Laboratories, Miami Valley Hospital, Dayton, since 1928.

Major Wilfred Isaac Friel, U. S. Army, B.C.E., M.C.E.
Head of Department and Professor of Military Science and Tactics (1944).
B.C.E., Purdue University, Lafayette, Indiana, 1925; M.C.E., Purdue University, 1929; Assistant Professor of Civil Engineering, Purdue University, 1925-1942.

Eugene G. Friederichs, S.M., B.S.
Secretary to the President (1941).
B.S. in Education, University of Dayton, 1938.
High School teaching, 1938-1941; Special studies, Western Reserve University, Cleveland, Ohio, Summer, 1940; University of Cincinnati, Summer, 1941.

Head of Department (1942) and Professor of Philosophy (1939).
B.A., University of Dayton, 1920; M.A., Catholic University of America, 1933.
High School teaching, 1920-1926, 1931-1932; Professional and Graduate studies, University of Fribourg, Switzerland, 1926-1931; Graduate study, Catholic University of America, 1932-1933; Professor of Philosophy, Trinity College, Sioux City, Iowa, 1933-1939; Graduate study, State University of Iowa, Summer, 1937; Western Reserve University, Cleveland, Ohio, Summer, 1938; Acting Head of Department of Philosophy, University of Dayton, 1939-1942.

*Paul J. Gaiser, B.A., LL.B.
Instructor in Russian (1945).
Principal of Jewish schools, 1917-1937; Chairman, Jewish Board of Education, 1937-1946.

Head of Department and Professor of Chemistry (1941).
B.S., University of Dayton, 1918; Lic.Sc., University of Fribourg, Switzerland, 1924.
High School teaching, 1918-1921; Instructor of Biology, Our Lady of the Lake Seminary, Cleveland, Ohio, 1925-1931; Head of Department and Professor of Chemistry, Trinity College, Sioux City, Iowa, 1931-1941; Graduate study, University of Fribourg, 1921-1924; Special studies, Western Reserve University, Cleveland, Ohio, Summer, 1941.
GENERAL INFORMATION

JEROME HINES GIBSON, B.A.
Head of Department and Professor of Psychology (1938).
B.A., Holy Cross College, Worcester, Mass., 1927; Candidate for Ph.D. degree, University of Chicago.
Graduate study, Xavier University, Cincinnati, Ohio, 1929-1930; St. Louis University, 1930-1932; University of Detroit, Summer, 1932; Head of Department and Professor of Chemistry, St. John's College, Toledo, Ohio, 1932-1933; Instructor in Psychology and Religion, University of Dayton, 1936-1937; Assistant Professor of Psychology, University of Dayton, 1937-1938; Graduate study, University of Chicago, Summers, 1936, 1937, and 1941; 1940-1941.

MICHAEL BENEDICT GRANDY, S.M., B.S., M.S., Ph.D.
Professor of Physics (1943).
B.S., University of Dayton, 1916; M.S., University of Fribourg, Switzerland, 1925; Ph.D., University of Fribourg, Switzerland, 1926.
High School teaching, 1919-1922; Assistant, Physics Laboratory, University of Dayton, 1919-1922; Graduate study, University of Fribourg, 1922-1926; Assistant Professor of Physics, University of Dayton, 1926-1927; Head of Department and Professor of Physics, University of Dayton, 1927-1940; Professor of Physics, Trinity College, Sioux City, Iowa, 1940-1943; Teaching Staff, A.S.T.P., 1943-1944.

GARTH EDGAR HECKMAN, B.S., M.B.A.
Assistant Professor of Business Organization (1943).
B.S., Bowling Green State University, Ohio, 1933; M.B.A., University of Chicago, 1937.
High School teaching, 1933-1939; Graduate study, University of Cincinnati, 1938-1939; Instructor in Business Organization, University of Dayton, 1938-1943.

THEODOR HEIMANN.
Instructor in Voice (1939).
Graduate of the College of Oslo, Norway, and Koenigstädhtisches Gymnasium in Berlin, Special studies, University of Berlin; Studied under Lilli Lehmann, Umlauf, Lieban and Albini; Sand in Wiesbaden, Germany, 1922; Teacher of Voice in Berlin and Salzburg, 1922-1937; Teacher in the New York College of Music, 1938; Teacher of Voice and German, University of Wilberforce, 1939.

JAMES H. HENNESSEY, B.A., Registered Technician.
Instructor in Roentgenology (1945).
B.A., Saint John's University, Toledo, 1927.
Graduate studies at Mount Saint Mary of the West, 1927-1932; Graduate studies at University of Toledo, 1937-1939; X-Ray technician at Saint Vincent's Hospital, Toledo, 1932-1944; X-Ray technician at Miami Valley Hospital since 1944.

HENRY G. HODGES, Litt.B., M.A., Ph.D.
Instructor in Business Organization (1943).
Graduate study, University of Pennsylvania, 1914-1917; Instructor, Western Reserve University, Cleveland, Ohio, 1917; Instructor, University of Cincinnati, 1935-1940; Director, Public and Industrial Relations, Acme Pattern and Tool Company, Dayton, Ohio.
THEODORE JOSEPH HOEFFKEN, S.M., B.A., Ph.D.

Supervisor of Student Teaching (1940).

B.A., St. Mary's University of San Antonio, San Antonio, Texas, 1929; Ph.D., University of Fribourg, Switzerland, 1937.

Elementary School teaching, 1924-1929; High School teaching, 1929-1932; Instructor in History and Philosophy, Maryhurst Normal, Kirkwood, Mo., 1932-1934; Graduate study, St. Louis University, St. Louis, Mo., 1931-1932, and University of Fribourg, 1934-1937; Director of Maryhurst Normal and Instructor in Psychology and History, since 1937.

AUSTIN JOSEPH HOLIAN, S.M., B.S. in Educ., B.S.E.E., M.S.E.E.

Instructor in Electrical Engineering (1944), Assistant Dean (1944).

B.S. in Education, University of Dayton, 1931; B.S.E.E., Case School of Applied Science, Cleveland, Ohio, 1942; M.S.E.E., Case School of Applied Science, 1944.

High School administration and teaching, 1931-1941; Graduate study, Case School of Applied Science, 1942-1944; Teaching Staff, A.S.T.P., 1944.

*MARY ELIZABETH HORRIGAN, R.N., B.S., M.A.

Instructor in Health and Physical Education (1941).


Graduate and special studies, Catholic University of America, 1935-1936, University of Dayton, 1939-1942; Clinical Supervisor, Medical Department, St. Elizabeth Hospital, Dayton, Ohio, 1935-1938; Instructor in Social Science, St. Elizabeth School of Nursing, Dayton, Ohio, since 1938; Graduate and special studies, University of Chicago, Summer, 1941.

EDWARD ANDREW HUTH, B.A., M.A., Ph.D.

Acting Head of Department and Associate Professor of Sociology (1944).

B.A., Heidelberg University, Tiffin, Ohio, 1921; M.A., University of Notre Dame, 1928; Ph.D., Western Reserve University, 1943.

High School teaching and administration, 1917-1926; Appointed Richard Butler Scholar in History, Columbia University, New York City, 1924; Named to Assistant in Sociology at University of Chicago, 1925; Instructor in History and Sociology, University of Notre Dame, 1926-1929; Assistant Professor of History and Political Science, University of Notre Dame, 1929-1932; Associate Professor of History and Political Science, University of Notre Dame, 1932-1937; Appointed to Fellowship in History at Fordham University, 1938; Instructor in Sociology, University of Dayton, 1939-1941; Graduate study, Western Reserve University, Cleveland, Ohio, 1942-1943; Assistant Professor of Sociology, University of Dayton, 1941-1944.

*PAUL KATZ, B.Mus.

Instructor in Music (1939).

Julliard Scholarship, with Leopold Auer, 1922-1924; Studied also with Heer mann, Seveik, Ysaye; Theory with Reigger, Elwell, and Boulanger; Member of Cincinnati Symphony, 1925-1928; Soloist with Cincinnati Symphony, 1926; Member of Cleveland Orchestra, 1928-1933; Conductor, Dayton Philharmonic Orchestra, 1933.
GENERAL INFORMATION

REV. JOHN PAULINUS KENNY, O.P., B.A., M.A.

*Assistant Professor of Philosophy (1943).
(Leave of Absence.)

B.A., Providence College, Providence, R. I., 1931; M.A., Catholic University of America, 1941.

Professional studies, St. Thomas Aquinas College, River Forest, Illinois, 1932-1935; College of the Immaculate Conception, Washington, D. C., 1935-1939; Graduate study, Catholic University of America, 1939-1940, Summers, 1938 and 1939; Instructor in Philosophy, University of Dayton, 1940-1943.

ROLAND KINDER, B.C.S., B.S., M.A.

*Instructor in Secretarial Science (1942).

B.C.S., Miami-Jacobs College, Dayton, Ohio, 1926; B.S. in Education, Wilming-
ton College, Wilmington, Ohio, 1939; candidate, M.A., University of Dayton.

High School teaching, 1921-1923, 1926-1929, 1930-1942; Special studies, Gregg School, Chicago, Illinois, 1922-1923; Graduate study, University of Dayton, 1940-
1944.

*BARRETT B. KLOPFER.

*Instructor in Business Organization (1944).

EDWARD HENRY KNUST, S.M., B.S., M.S.

*Professor of Mathematics (1936).

B.S., University of Dayton, 1902; M.S., University of Dayton, 1909.

Special studies, Stanislas College, Paris, France, 1900-1902; High School teaching
and administration, 1902-1914, 1919-1920; Instructor in Mathematics and Engineer-
ing Drawing, University of Dayton, 1914-1918; Assistant Professor of Mathematics

REV. HENRY JOHN KOBE, S.M., B.A.

(Leave of Absence.)

B.A., University of Dayton, 1925.

High School teaching, 1922-1929, 1935-1937; Professional and Graduate studies,
University of Fribourg, 1929-1933; Instructor in History, University of Dayton,
1933-1935; Graduate study, Catholic University of America, 1937-1939; Assistant
Professor of History, University of Dayton, 1939-1943; Acting Head of Depart-
ment of History, University of Dayton, 1941-1942; Instructional Coordinator,
A.S.T.P., 1943-1944; Dean, College of Arts and Sciences, Director of Evening
Classes and Summer Sessions (1943); Head of Department (1942) and Associate
Professor of History (1943).

*GENNADY MICHAEL KOSOLAPOFF, B.S., Ch.E., M.S., Sc.D.

*Instructor in Russian (1943).

B.S., Ch.E., Cooper Union, New York, 1932; M.S., 1933, Sc.D., University of
Michigan, Ann Arbor, Michigan, 1936.

Instructor in Chemistry, University of Dayton, 1939-1942; St. Elizabeth Hospital
School of Nursing, Dayton, Ohio, Summer, 1943.
ELMER CHARLES LACKNER, S.M., B.A., M.A.

Assistant Dean and Acting Head of the Division of Arts of the College of Arts and Sciences, Director of Evening Classes (1945); Assistant Professor of History (1943).

B.A., University of Dayton, 1927; M.A., Western Reserve University, Cleveland, Ohio, 1941.

High School teaching, 1927-1940; Graduate study, Western Reserve University, 1937-1940, Summers, 1937, 1938, 1939, 1940; Instructor in History, University of Dayton, 1940-1943; Teaching Staff, A.S.T.P., 1943-1944.

LEE ORA LANTIS, B.A., M.A., Ph.D.

Assistant Professor of History (1943).

B.A., 1899, M.A., Miami University, Oxford, Ohio, 1902; Ph.D., University of North Dakota, 1937.

Graduate study, Miami University, Oxford, Ohio, 1901-1902; University of Wisconsin, Summers, 1909, 1911, 1913; University of Minnesota, 1921-1923; University of North Dakota, 1929-1930, and Summer, 1937; High School teaching, 1901-1916; Instructor in Extension Division, the Ohio State University, 1916-1921; Graduate Assistant, University of Minnesota, 1921-1923; Professor of Social Sciences, State Teachers College, Minot, North Dakota, 1923-1943.

DANIEL LEO LEARY, B.A., M.A., Ph.D.

Associate Dean, Division of Education (1939); Professor of Education (1937).

B.A., Creighton University, 1917; M.A., Peabody College, 1928; Ph.D., Colorado State University, 1934.

Elementary School administration, 1914-1916; High School administration, 1919-1922; Superintendent of Schools, Hitchcock, South Dakota, 1929-1932; Dean, Department of Education, Quincy College, Quincy, Illinois, 1934-1937.

REV. EDWIN MATTHIAS LEIMKUHLER, S.M., B.A., M.A.

Head of Department and Professor of Religion (1944).

B.A., Catholic University of America, 1927; M.A., Catholic University of America, 1940.

High School teaching, 1920-1926, 1931-1934; Professional and Graduate studies, University of Fribourg, Switzerland, 1926-1931; Head of Department and Professor of Religion, University of Dayton, 1934-1940; Graduate study, Catholic University of America, Summers, 1935, 1936, 1937, 1938, 1939, and 1940; President of Trinity College, Sioux City, Iowa, 1940-1943.

*NEWTON E. LEYDA, B.S., M.D.

Instructor in Industrial Nursing (1945).

B.S., Ohio State University, 1921; M.D., Northwestern University, 1927. Fellow of the American Association of Industrial Physicians and Surgeons.

*ALFRED LONSCING, S.M., Ph.D.

Associate Professor of Biology (1941); Research Instructor, Institutum Divi Thomae, Cincinnati, Ohio, (1940); Absent on Leave.

Ph.D., University of Graz, Austria, 1935; Professorat in Natural History, University of Graz, 1936.

Professor of Natural History, Realgymnasium Marieninstitut, Graz, Austria, 1936-1938; Professor of Biology, Missionshaus, St. Rupert, Bischofshofen, Salzburg, Austria, 1938; Instructor in Biology, University of Dayton, 1939-1941.
JOHN JOSEPH LUCIER, S.M., B.S.
Instructor in Chemistry (1945).
B.S., University of Dayton, 1937.
High School teaching, 1937-1945; Graduate study in summer sessions, Ohio State University, 1940, 1941; at Western Reserve University, 1942-1945.

*GLADYS MAGETTY.
Instructor in Music (1945).
Student of Alverda Sinks, 1939-1941; student of Doctor Louis Waldemar Sprague, 1943-1945; student of Theodor Heiman for voice, 1942-1945; teaching of piano since 1941.

*FRANCES L. MARKUS, B.S. in Ed., R.N.
Instructor in Nursing (1945).
R.N., 1941; B.S. in Ed., University of Dayton, 1944.
High School teaching since 1943.

FRANCES MCCLELLAN, B.S., M.T.
Instructor in Hematology, Miami Valley Hospital School of Medical Technology.
B.S., University of Dayton, 1940; M.T., Miami Valley Hospital School of Medical Technology, Dayton, 1941; Diagnostic Laboratories, Miami Valley Hospital, Dayton, since 1941.

PATRICIA McCREERY, M.T.
Instructor in Biology, Miami Valley Hospital School of Medical Technology.
M.T., St. John's Hospital, Springfield, Illinois, 1942; Diagnostic Laboratories, Paris Hospital, Paris, Illinois, 1942-1943; Miami Valley Hospital, Dayton, since 1944.

*JAMES FRANK MADIGAN, B.S., Ch.E.
Instructor in Mathematics (1943).
B.S., Columbia University, New York, 1936; Ch.E., Columbia University, New York, 1940.

*EDWARD J. MAHLMEISTER, B.S.
Instructor in Accounting (1943).
B.S. in Commerce and Finance, University of Dayton, 1934,
Instructor in Accounting, YMCA College, Dayton, Ohio, 1936-1941.

SISTER MARIE FIDELIS, S.N.D. de N., B.A., M.A.
Professor of English (1935).
B.A., University of Dayton, 1927; M.A., University of Dayton, 1930.
High School teaching, 1911-1935; Graduate study, University of Notre Dame, Summers, 1932 and 1940; Catholic University of America, Summer, 1936; the Ohio State University, Summer, 1937.
Sister Mary Hilda, M.S.C., B.S., M.A.
_Instructor in Home Economics (1943)._ B.S., in Education, Columbia University, 1942; M.A., Columbia University, 1943. High School teaching, 1942-1943; Graduate study, Columbia University, 1941-1942.

Sister Mary Pelagia, M.S.C., B.A., M.A.
_Instructor in Education (1943)._ B.A., Royal Normal School, Muenster, Germany, 1898; B.A., Villanova College, Villanova, Pennsylvania, 1927; M.A. Villanova College, 1935; Candidate for the Ph.D. degree, Catholic University of America.
Elementary School teaching and administration, 1910-1921; 1928-1934; High School teaching and administration, 1922-1926, 1934-1940; Instructor in Elementary Education, Villanova College, Summers, 1934-1940; Graduate study, Villanova College, 1932-1935; Catholic University of America, 1940-1943.

Sister Mary Raphael, M.S.C., B.S., M.A.
_Assistant Professor of Home Economics (1945); Acting Head of Department (1945)._ B.S. in Education, University of Dayton, 1939; M.A., Columbia University, 1942. Graduate and Special studies, University of Georgia, 1940-1941; Graduate study, Columbia University, 1941-1942; Instructor in Home Economics, University of Dayton, 1942-1945.

Velma Mae Miller, B.S.C., M.Ed.
Head of Department (1944) and Assistant Professor of Secretarial Science (1943).

*Sister Minalia, O.S.F., R.N., B.S., M.A.*
_Director, St. Elizabeth Hospital School of Nursing (1936), Instructor in Nursing Education (1943)._ B.S. in Education, University of Dayton, 1934; M.A., University of Dayton, 1942. Special studies, Catholic University of America, Washington, D.C., 1940; Graduate study, University of Dayton, 1940-1942; professional experience, 1930-1933; Instructor in Nursing Arts, 1933-1935, Assistant Director of Nurses, 1935-1936, Director of Nurses, St. Elizabeth Hospital School of Nursing, Dayton, Ohio, since 1936.

Francis John Molz, S.M., B.S., M.S., Ph.D.
_Associate Dean, Division of Science (1935); Head of Department and Professor of Biology (1924)._ B.S., University of Dayton, 1913; M.S., University of Fribourg, Switzerland, 1923; Ph.D., University of Fribourg, 1924. High School teaching, 1913-1920; Graduate study, University of Fribourg, 1920-1924; Special studies, University of Chicago, Summers, 1927 and 1928.
GENERAL INFORMATION

*VERNICt SWENSON MOWRY, R.N., B.S.
Instructor in Nursing Education (1943).
B.S., University of Minnesota, Minneapolis, Minnesota, 1937.
Instructor, Syracuse General Hospital, Syracuse, New York, 1932-1936; Assistant
Director, Department of Nursing, Miami Valley Hospital, Dayton, Ohio, 1937-1938;
Director, Department of Nursing, Miami Valley Hospital, 1940-1943; Instructor,
St. Elizabeth Hospital School of Nursing, Dayton, Ohio, since 1943.

*TODD C. MUMMA, B.S., C.P.A.
Instructor in Accounting (1939).
Auditor, Wall, Cassel and Eberly, 1935-1937, 1938-1939; the Eavey Company,
Xenia, Ohio, 1937-1938; Accountant, George A. Pfauin Company, Dayton, Ohio,
1939; Auditor, H. E. Lucas, C.P.A., Dayton, Ohio, 1939; Lucas and Mumma, Certif-
ied Public Accountants, 1941.

GEORGE WILLIAM NAGEL, S.M., B.S., M.A.
Assistant Dean and Acting Head of the Division of Business Administration
(1944), Assistant Professor of History (1944).
B.S. in Education, University of Dayton, 1922; M.A., Western Reserve University,
Cleveland, Ohio, 1941.
High School teaching, 1922-1941; Graduate and Special studies, New York Uni-
versity, 1927-1928, Western Reserve University, Summers, 1937, 1938, 1939, 1940;
1940-1941; Instructor in History, University of Dayton, 1941-1944; Teaching Staff,

*GEORGE ANDREW NICOLL, B.S., M.D.
Instructor in Roentgenology (1945).
B.S., University of Chicago, 1935; M.D., Rush Medical College of the University
of Chicago, 1937.
Resident in Roentgenology, University of Chicago Clinic, 1939-1942; Radiologist,
Terre Haute, Indiana, 1942; Director of Department of Radiology at Miami Valley
Hospital.

GRACE NORRIS, B.S., M.T.
Instructor in Histologic Technic, Miami Valley Hospital School of Medical
Technology.
B.S., Otterbein College, Westerville, Ohio, 1931; M.T., Henry Ford Hospital
School of Medical Technology, Detroit, Michigan, 1932.
New York State Laboratories, Amsterdam, New York, 1933-1937; Diagnostic
Laboratories, Miami Valley Hospital, Dayton, since 1937.

EDMUND BERNARD O'LEARY, B.S., M.A., Ph.D.
Head of the Department of Economics (1941) and of Department of Busi-
ness Organization (1938); Professor of Business Organization, Economics,
Banking, Finance and Marketing (1924).
B.S., the Ohio State University, 1924; M.A., University of Chicago, 1928; Ph.D.,
the Ohio State University, 1939.
Graduate study, the University of Wisconsin, Summers, 1931, 1936.
Melvin Oosting, B.A., M.D.  
Instructor in Biochemistry, Director, Diagnostic Laboratories, Miami Valley Hospital.
B.A., Hope College, Holland, Michigan, 1937; M.D., Northwestern University School of Medicine, Chicago, Illinois, 1935.

*Norman S. Park, M.A.  
Instructor in Music (1944).
High School teaching, 1928-1929, 1930-1945; Instructor in Music, Albion College, Albion, Michigan, 1928-1929; Director of Music, Dayton Public Schools, Dayton, Ohio, 1941—.

Francis Patzak, S.M.  
Head of Department (1943) and Associate Professor of Physics (1941).
Reifeprüfung fuer Lehrerbildungsanstalten, Freistadt, Austria, 1913; Reifeprüfung Realschulen, Graz, Austria, 1915; Professorat in Mathematics and Physics, University of Graz, Austria, 1925.
Graduate study, University of Graz, 1918-1923; Instructor, Marieninstitut, Graz, 1923-1924; Professor of Mathematics, and Physics, Marieninstitut, Graz, 1924-1938; Instructor in Physics and German, University of Dayton, 1939-1941; Teaching Staff, A.S.T.P., 1943-1944.

Eugene Adam Paulin, S.M., B.S., M.Sc., Ph.D.  
Supervisor of Student Teaching (1938).
B.S., University of Dayton, 1909; Licentiate in Science, University of Fribourg, Switzerland, 1912; M.S., University of Dayton, 1915; Ph.D., University of Texas, 1929.
High School teaching, 1901-1909, 1912-1924; Graduate study, University of Fribourg, 1909-1912; Dean of the College and Professor of Physics, St. Mary’s University of San Antonio, Texas, 1924-1929; Instructor in Physics, University of Texas, 1928-1929; Supervisor of Schools, Society of Mary, St. Louis Province, since 1929.

Cyril George Peckham, B.A., M.S.  
Assistant Professor of Mathematics (1944).
B.A., University of Illinois, 1936; M.A., University of Illinois, 1939.
GENERAL INFORMATION

JOHN RAYMOND PERZ, S.M., B.A., M.A., Ph.D.

Head of Department of Modern Languages (1936); Professor of German and Spanish (1931).

B.A., University of Dayton, 1921; M.A., Catholic University of America, 1929; Ph.D., Catholic University of America, 1934.

Instructor in English and History, Colegio San Jose, Suances, Santander, Spain, 1921-1922; Instructor in English and History, Colegio Santa Maria, San Sebastian, Spain, 1922-1923; High School teaching and administration, 1923-1926; Instructor in Spanish, University of Dayton, 1926-1927; Graduate study, Columbia University, Summer, 1928; Catholic University of America, 1928-1931.

THOMAS LEO POITRAS, S.M., B.S., B.A., M.A.

Professor of French (1934).

B.S., University of Dayton, 1907; B.A., University of Dayton, 1911; B.S. in Music, Conservatory of Chicago, 1928; M.A., Catholic University of America, 1934; Diplome de professeur de francais a l’Etranger, University of Paris, 1938; Diplome d’Etudes de Civilisation francaise, University of Paris, 1950; Diplome d’Etudes francaises superieures, University of Besancon, 1938.

Instructor in Music, University of Dayton, 1905-1912; High School teaching, 1912-1915; Instructor in French, German and Music, University of Dayton, 1915-1933; Special studies, Pius X School of Music, New York, Summer, 1928; Graduate study, Catholic University of America, 1933-1934; Special studies, The Sorbonne Paris, 1937-1938; Graduate study, University of Besancon, France, Summer, 1938.

REV. CHARLES VINCENT PREISINGER, S.M., B.A., M.A.

Associate Professor of History (1943).

B.A., University of Dayton, 1918; M.A., Catholic University of America, Washington, D.C., 1934.

High School teaching, 1924-1926, 1942-1943; Professional and Graduate studies, University of Fribourg, Switzerland, 1919-1924; Instructor in Social Sciences, University of Dayton, 1926-1933; Graduate study, Catholic University of America, 1933-1934; Visiting Professor, St. Mary’s University of San Antonio, Texas, Summer, 1935, and University of Dayton, Summers, 1940-1941, 1942; Instructor in History and Speech, Trinity College, Sioux City, Iowa, 1934-1942; Post-graduate and special studies, State University of Iowa, Iowa City, Iowa, Summers, 1936, 1937, and Catholic University of America, Summer, 1938; Teaching Staff, A.S.T.P., University of Dayton, 1943-1944.

THOMAS JOSEPH PRICE, S.M., B.A., M.A.

Associate Professor of English (1926).

B.A., University of Dayton, 1911; M.A., Catholic University of America, 1935.

High School teaching, 1914-1926; Graduate study, Catholic University of America, 1934-1935; Special studies, Columbia University, Summer, 1939.

*WALTER REEF, B.S. in Ed.

Instructor in Engineering (1943).


Thirty years’ teaching experience in Dayton Public schools; Wilbur Wright High School, 1940—.
FERNE B. REEVER, R.N., B.S.
Graduate of St. Anthony School of Nursing, Carroll, Iowa, 1931. B.S. in Nursing Education, University of Dayton, Dayton, Ohio. Undergraduate study, Iowa Extension College, Audubon, Iowa; Omaha Municipal College, Omaha, Nebraska. Post graduate course in Surgical Nursing and Operating Room Technique, Cook County Hospital School of Nursing, Chicago, Illinois. Advanced study in Nursing Education, University of Chicago, Chicago, Illinois.
Head Nurse, Cook County School of Nursing, Chicago, Illinois. Head Nurse and Clinical Instructor, University of Nebraska, Omaha, Nebraska. Clinical Instructor, St. Elizabeth Hospital School of Nursing, Dayton, Ohio. Assistant Director of Nursing Service, St. Elizabeth Hospital, Dayton, Ohio.

MAURICE RICHARD REICHARD, B.A., M.A.
Head of Department of Music (1938); Assistant Professor of Music (1941).
B.A., University of Dayton, 1935; M.A., Ohio State University, 1945.
Studied under Louis Vogt, S.M., 1920-1924; Director of Band and Orchestra, University of Dayton, 1929; Studied under Louis Waldemar Sprague, 1930-1934; Graduate study, University of Dayton, Summer, 1939; Instructor in Music, University of Dayton, 1929-1941; Graduate study, the Ohio State University, Summers, 1942, 1943, 1944, 1945.

* HAROLD J. REINDL, B. of Chem. E.
Instructor in Engineering (1945).
B. of Chem. E., University of Dayton, 1942.
Teaching experience in ESMWT courses for Antioch College and the University of Dayton; Metallurgist at Inland Manufacturing Division of General Motors Corporation since 1942.

REV. GEORGE JOSEPH RENNEKER, S.M., B.A., M.A., Ed.D.
President of the University of Dayton (1944), Professor of Philosophy (1924).
B.A., University of Dayton, 1910; M.A., University of Dayton, 1915.
High School teaching, 1911-1915, 1919-1920; Professional and Graduate studies, University of Fribourg, Switzerland, 1915-1919; Instructor in History and Classical Languages, University of Dayton, 1920-1924; Special studies, St. Louis University, Summer, 1939; Dean of the University of Dayton and Registrar, 1924-1944.

REV. EDMUND L. RHODES, S.M., B.A., S.T.L.
Instructor in Latin and Greek (1945).
B.A., University of Dayton, 1934; S.T.L., Catholic University, 1942.
High School teaching since 1930; teaching interrupted for Graduate Study at the University of Fribourg, Switzerland, 1938-1941; Catholic University, 1941-1942.

ALBERT H. ROSE, S.M., B.S. in Ed., M.A.
Instructor in Political Science (1945).
B.S. in Ed., University of Dayton, 1927; M.A. in Pol.Sc., Western Reserve University, 1942.
High School teaching, 1931-1945; Instructor of Political Science at the University of Dayton in summers of 1942-1945.
GENERAL INFORMATION

LOUIS HERMAN ROSE, S.M., M.S., B.E.E.

*Acting Head of Department (1940) and Associate Professor of Electrical Engineering (1935).*

B.S., University of Dayton, 1923; M.E., University of Fribourg, Switzerland, 1933;
B.E.E., University of Dayton, 1935.

High School teaching, 1922-1930; Graduate study, University of Fribourg, 1930-
1933; Instructor in Mathematics, University of Dayton, 1933-1935; Graduate study, the Ohio State University, Summers, 1940-1941.

FRANCIS HERMAN RUHLMAN, S.M., B.A., B.S. in L.S.

*Librarian (1920).*

B.A., University of Dayton, 1924; B.S. in Library Science; Our Lady of the Lake College, San Antonio, Texas, 1936.

LOUIS ANTHONY SALETEL, S.M., B.S., Ph.D.

*Head of Department (1941) and Professor of Geology (1942).*

B.S., University of Dayton, 1924; Ph.D., University of Fribourg, Switzerland, 1936.

High School teaching, 1925-1933; Graduate study, University of Fribourg, 1933-
1936; Special studies, University of Denver, Summer, 1941; Associate Professor of Geology, University of Dayton, 1936-1942.

BERNARD T. SCHAD, S.M., B.S., M.Sc., M.S.E., D.Sc.

*Supervisor of Student Teaching (1938).*

B.S., University of Dayton, 1924; Ph.D., University of Fribourg, Switzerland, 1920; M.S.E., University of Michigan, 1927; D.Sc., University of Michigan, 1935.

Elementary School teaching, 1909-1911; High School teaching, 1911-1916; Graduate study, University of Fribourg, 1916-1920; Instructor in Mathematics and Engineering Drawing, University of Dayton, 1920-1921; Head of Department and Professor of Civil Engineering, University of Dayton, 1921-1937; Dean of the College of Engineering, University of Dayton, 1935-1938; Special studies, Carnegie Institute of Technology, Summer, 1921, University of Michigan, Summer, 1938; Supervisor of Schools of the Society of Mary, Cincinnati Province, since 1938.

*FRANK E. SCHNEIDER, B.S., M.A.*

*Instructor in Chemistry (1943).*

B.S., Ohio State University, 1934; M.A., Ohio State University, 1940.

Principal of Ansonia High School, 1935-1942; Principal of Tipp City High School, 1942-1943; Head of Plastic Section of Inland Manufacturing Division since 1943.

KENNETH CHARLES SCHRAUT, B.A., M.A., Ph.D.

*Associate Professor of Mathematics (1945).*

B.A., University of Illinois, 1936; M.A., University of Cincinnati, 1938; Ph.D., University of Cincinnati, 1940.

Graduate study, University of Cincinnati, 1936-1940; Laws Scholar, 1936-1937; Taft Teaching Scholar, 1937-1940, University of Cincinnati; Visiting Instructor, University of Notre Dame, Summer, 1940; Instructor in Mathematics, University of Dayton, 1940-1941; Assistant Professor of Mathematics, University of Dayton, 1941-1945; Teaching Staff, A.S.T.P., 1943-1944.
EILEEN LANCASTER SEARS, B.S., M.A.

Instructor in Physical Education and Music (1943).

B.S. in Education, University of Missouri, Columbia, Missouri, 1922; M.A., the Ohio State University, 1931.

Special studies, University of Missouri School of Music, Columbia, Missouri, Summers, 1923, 1924, 1926, 1928; Devinshawn School of Dancing, Los Angeles, Summer, 1925; Graduate study, McPhail Conservatory of Music, Minneapolis, Minnesota, Summer, 1928, the Ohio State University, 1928-1931; High School teaching, 1923-1929, 1931-1937; Educational Director and Director of Children's and Chapel Choir, Christ Episcopal Church, Dayton, Ohio, since 1932.

BARTH J. SNYDER, B.A., J.D., M.A.

Assistant Professor of Accounting and Business Organization (1941).

B.A., University of Dayton, 1931; S.D., University of Dayton, 1934; M.A., Ohio State University, 1942.

Instructor in Accounting and Business Organization, University of Dayton, 1935-1941; military service, 1942-1945.

LOUIS WALDEMAR SPRAGUE, Mus. D.

Instructor in Piano and Musical Composition (1939).

Mus.D., Cleveland Institute of Music, 1898.

Graduate study, Adelbert College, Cleveland, Ohio, Summer, 1893; Instruction under Hans von Bulow, Anton de Konstki, Edward MacDowell, Professor of Musical Composition, Ohio Normal School, Ashland, Ohio, 1894; Director of Music, Springfield Seminary, Springfield, Ohio, 1902-1903; Director of Sprague Studio, Dayton, Ohio, since 1903.

ADIE D. STANFORD, M.D.

Associate Director, Miami Valley Hospital School of Medical Technology.

M.D., Ohio State University, 1924; Instructor in Clinical Pathology, Flower Fifth Avenue Hospital and New York Medical College, 1928-1942; Diagnostic Laboratories, Miami Valley Hospital, 1945.

*Betty Jean Thomas, Mus. B.

Instructor in Music (1944).

Mus. B., University of Dayton, 1944.

Undergraduate Assistant, University of Dayton, 1942-1944; Instructor of Piano and Harmony, Sprague Music Studio, Dayton, Ohio, 1942—; Music Supervisor, Phillipsburg Consolidated school, 1944—.

FRANCES L. THORNTON, B.S.

Instructor in Chemistry, Miami Valley Hospital School of Medical Technology.

B.S., University of Dayton, 1945; Diagnostic Laboratories, Miami Valley Hospital, since 1944.
*B. Bernarr Vance, B.S., M.A.
  Instructor in Biology and Education (1940).
  B.S., Miami University, Oxford, Ohio, 1930; M.A., Miami University, Oxford, Ohio, 1936.
  Instructor in Public Schools, 1923-1928; Undergraduate Assistant in Botany, 1928-1930; Graduate Instructor in Bacteriology, 1930-1931, Miami University, Oxford, Ohio; Research Fellow, Plant Pathology, University of Minnesota, Summer, 1934; Instructor in High School and Chairman of Department of Science, Public Schools, Dayton, Ohio, since 1930.

Rev. Vincent Robert Vasey, B.S. in Ed.; M.A.
  Instructor in English (1945).
  B.S. in Ed., University of Dayton, 1936; M.A., Western Reserve University, 1941; Graduate study at Catholic University, Washington, D.C., 1941-1942; Graduate study at Saint Meinrad Seminary, 1942-1945.

Andrew Raymond Weber, S.M., B.S., B.M.E., M.M.E.
  Head of Department (1945) and Professor of Mechanical Engineering (1942).
  B.S., University of Dayton, 1919; B.M.E., University of Dayton, 1927; M.M.E., Catholic University of America, 1936.
  High School teaching, 1919-1924; Graduate study, Catholic University of America, 1933-1934; Instructor in Mechanical Engineering, 1927-1933; Associate Professor of Mechanical Engineering, University of Dayton, 1934-1942.

J. Albert Wehrle, S.M., B.S., M.E.E., Ph.D.
  Professor of Electrical Engineering (1943).
  B.S., University of Dayton, 1912; M.E.E., University of Pittsburgh, 1927; Ph.D., University of Pittsburgh, 1930.
  High School teaching, 1912-1920; Instructor in Physics and Mathematics, University of Dayton, 1920-1926, 1930-1931; Graduate study, University of Pittsburgh, 1926-1930; Head of Department and Professor of Physics, Trinity College, Sioux City, Iowa, 1931-1940; Assistant Professor of Electrical Engineering, University of Dayton, 1940-1941; Associate Professor of Electrical Engineering, University of Dayton, 1941-1943; Teaching Staff, A.S.T.P., 1943-1944.

William Otto Wehrle, S.M., B.A., M.A., Ph.D.
  Head of Department (1936) and Professor of English (1933).
  B.A., University of Dayton, 1918; M.A., Catholic University of America, 1931; Ph.D., Catholic University of America, 1933.
  High School teaching, 1917-1930; Graduate study, Catholic University of America, 1930-1933; Teaching Staff, A.S.T.P., 1943-1944.

Josephine Wenning, R.N., B.S.
  Graduate of St. Elizabeth Hospital School of Nursing, Dayton, Ohio. B.S. in Nursing Education, Catholic University of America, Washington, D.C.
  Junior Assistant Director of Nursing Service, St. Elizabeth Hospital, Dayton, Ohio. Instructor, Nursing Arts, St. Elizabeth Hospital School of Nursing, Dayton, Ohio.
SIEGFRIED REGINALD WENG, Ph.B., M.A.
Assistant Professor of Art (1942); Director of the Dayton Art Institute.
Ph.B., University of Chicago, 1927; M.A., University of Chicago, 1928.
Docent, Midway Studios, 1925-1928; Bureau of Travels, Europe, Summer, 1927;
Lecture Assistant of Lorado Taft, 1928; Assistant of Lorado Taft, Bureau of Uni-
versity Travels, Europe, Summer, 1928; Museum Administration, Harvard University,
1929-1930; Instructor in Art, University of Dayton, 1939-1941.

*EDWARD GEORGE WESTBROCK, S.M., B.S., M.B.A.
Assistant Professor of Secretarial Science (1945).
B.S., University of Dayton, 1933; Master of Business Administration, Cleveland
College of Western Reserve University, 1942.
High School teaching, 1933-1942; Graduate study, Cleveland College of Western
Reserve University, 1939-1942; Instructor in Secretarial Science, University of Day-
ton, 1942-1945.

*WAYNE J. WHEELER, Ind.E.
Instructor in Engineering (1945).
Ind. E. at General Motors Institute, 1938; Supervisor of Time and Motion
Study at Delco Products Division.

*MARY PHILLIPS WILLIAMS, B.A.
Instructor in Home Economics (1945).
B.A., Muskingum College, 1931.
Home Economist for Federal Transient Service Bureau, 1934-1935; for Works
Progress Administration, 1935-1937; Demonstrations for U.S. Department of Agri-
culture, Farm Security Administration, 1939-1940; Home Management Supervisor of
Miami and Shelby Counties.

*THOMAS H. WILLIAMS, B.S.
Instructor in Civil Engineering (1945).
B.S., University of Dayton, 1934.
Chemist, Bowser-Morner Laboratories, Dayton, Ohio, 1934—; Instructor in Civil
Engineering, University of Dayton, 1938-1942.

WILLIAM JOSEPH WOHLLEBEN, S.M., B.S., M.S., Ph.D.
Head of Department and Professor of Chemical Engineering (1909).
B.S., University of Dayton, 1904; M.S., University of Fribourg, Switzerland, 1906;
Ph.D., University of Fribourg, 1908.
High School teaching, 1897-1904; Graduate study, University of Fribourg, 1904-
1908; Instructor in Chemistry, University of Dayton, 1909.

VINCENT JOHN WOTTLE, S.M., B.S., M.S.
Associate Professor of Chemistry (1944).
(Leave of Absence)
B.S., University of Dayton, 1930; M.S., Catholic University of America, 1937.
High School teaching, 1930-1935; Graduate study, Catholic University of America,
1936-1937; Summers, 1937, 1938; Instructor in Chemistry and Mathematics, Un-
iversity of Dayton, 1938-1941; Teaching Staff, A.S.T.P., 1943-1944; Assistant Profes-
sor of Chemistry, University of Dayton, 1941-1944.
*E. ELIZA WRIGHT, B.S. in H.Ec.
  B.S. in H.Ec., Ohio State University, 1925.
  High School teaching experience at Dola, Ohio, 1926-1929; at Trotwood, Ohio, 1943-1945; District Director of Women's and Professional Projects (W.P.A.) for thirteen counties, 1935-1938; Home Management Supervisor, U.S. Department of Agriculture, for Montgomery and Greene Counties, 1938-1943.

VERYL ZECH.

Instructor in Music (1940).

Studied under Thalberg and Tanz, Cincinnati Conservatory, 1926-1928, Dr. L. W. Sprague, 1928-1935; Instructor in piano and theory, Miami Military Institute, 1931-1935; Concert Soloist, Miami Valley Chautauqua; assistant to Dr. L. W. Sprague in piano and composition, 1930.

*MARIANA ZIMMERMAN, R.N., B.S.

Instructor in Nursing Education (1943).

B.S., Indiana University, Bloomington, Indiana, 1930.

Staff Nurse, J. W. Riley Hospital, Indianapolis, Indiana, 1930-1931; Instructor in Science, Mercy Hospital, Oshkosh, Wisconsin, 1932-1934; Instructor in Nursing Arts, St. Lawrence Hospital, Lansing, Michigan, 1934-1940; Graduate Study, Indiana University, 1934; University of Dayton, Summers 1941-1942, 1943-1944, Catholic University of America, Washington, D.C., 1942; Assistant Director, St. Elizabeth Hospital School of Nursing since 1940.
FOREWORD

The provisions of this bulletin are to be considered directive in character, and not as an irrevocable contract between the student and the University. Furthermore, the University reserves the right to change any provision or requirement of this bulletin.

ACCREDITING

The University of Dayton is officially recognized by the following accrediting agencies:
1. The North Central Association of Colleges.
3. The Ohio Association of Colleges.
4. The Pre-Medic course is accredited by the American Medical Association.

HISTORICAL NOTE

In 1849 there came from their native France a group of educators belonging to the religious organization founded by Reverend William Joseph Chaminade and known as the Society of Mary. At Dayton, Ohio, this pioneer band found the present suitable site for the establishment of an institution of learning. At that time they purchased from Mr. John Stuart the section known as Dewberry Farm, comprising one hundred and twenty acres, and at once opened a school in the farm house located on the property. From these humble beginnings the school grew rapidly under the able guidance of Brother Maximin Zehler. Urgent needs for money made necessary the sale of part of this extensive property, leaving a campus of fifty-six acres.

In 1878 this institution was incorporated, and in 1882, by an act of the general assembly of the state of Ohio, it was empowered to confer degrees under the title of St. Mary Institute. After 1912 it was called St. Mary College and continued to be so designated till 1920, when it was raised to the rank of University. Realizing the demands for higher education, the University established night classes in 1920 and summer sessions in 1923. These two projects were opened to men and women and from the beginning were well received. In 1935 the day school, formerly restricted to men, offered to women also all the facilities of full-time students. In the summer session of 1939 the Graduate Division in English, Education, Philosophy was inaugurated.

The University offers courses in Arts, Science, Engineering, Business Administration, Education, Pre-Medicine, and Pre-Law. Furthermore, journalistic, forensic, and athletic programs are sponsored by the University under the supervision of the faculty.

CAMPUS AND BUILDINGS

The University campus has for its center the beautiful chapel of the Immaculate Conception. The quiet of the surroundings is conducive to serious study; at the same time the location affords easy access to the social, business and industrial interests of the city.

The buildings devoted to academic work are: St. Mary's Hall, including Administration, Business and Science; Chaminade Hall, including Arts; St. Joseph's
Hall, including Civil, Electrical and Mechanical Engineering; Chemistry Building, including Chemical Engineering; and the Albert Emanuel Library.

Other buildings are: Alumni Hall, Zehler Hall, Power House and Stadium. The University operates a cafeteria and book store.

LIBRARIES

The Albert Emanuel Library, the general library of the campus, was erected in 1928 through the generosity of Victor C. Emanuel, an Alumnus of the University, who dedicated this building as a monument to the honor of his father. This library of 40,000 volumes is equipped with all modern facilities to supplement the regular class work of the student. In addition to the general library, various departmental libraries are found in different buildings.

LABORATORIES

Adequately equipped laboratories are available for experimental work in the different departments: Biology, Botany, Zoology, Physics, Mineralogy and Geology laboratories in St. Mary Hall; Civil, Electrical and Mechanical laboratories in St. Joseph Hall; and the Chemical and Chemical Engineering laboratories in the Chemistry buildings; Psychological and Home Economics laboratories in Champlain Hall.

CURRICULUM

The University comprises the graduate division and the undergraduate Colleges of Arts and Sciences and of Engineering. The Division of Arts includes pre-professional courses for law, social service, foreign service and journalism. The Division of Sciences includes a department of Home Economics and pre-professional courses in medicine and dentistry; in affiliation with the St. Elizabeth Hospital School of Nursing, it includes courses in Nursing and in Nursing Education; in affiliation with the Miami Valley Hospital Diagnostic Laboratories it includes also courses in Medical Technology and Roentgenology. The Division of Business Administration includes a department in Secretarial Studies. The College of Engineering includes departments in Chemical, Civil, Electrical and Mechanical Engineering.
Departments of Instruction
Undergraduate

College of Arts and Sciences

A—Division of Arts
1. Department of English.
2. Department of Classical Languages.
3. Department of Modern Languages.
   a. French.
   b. German.
   c. Spanish.
5. Department of Sociology.
6. Department of Political Science.
7. Department of Economics.
8. Department of Religion.
9. Department of Philosophy.
10. Department of Psychology.
11. Department of Art.
12. Department of Music.
13. Department of Physical and Health Education.

B—Division of Science
15. Department of Biology.
16. Department of Chemistry.
17. Department of Geology.
18. Department of Home Economics.
   a. General Home Economics.
   b. Home Economics Education.
   c. Dietetics and Institutional Management.
   d. Clothing and Textiles.
19. Department of Mathematics.
20. Department of Physics.
21. Department of Nursing Education.
22. Department of Medical Technology.
23. Department of Roentgenology.

C—Division of Business Administration
24. Department of Accounting.
25. Department of Economics.
26. Department of Business Organization.
27. Department of Secretarial Studies.
D—Division of Education
28. Department of Secondary Education.
29. Department of Elementary Education.

College of Engineering
30. Department of Chemical Engineering.
31. Department of Civil Engineering.
32. Department of Electrical Engineering.
33. Department of Mechanical Engineering.
Note: Majors are offered in all departments except Military Science and Physical and Health Education.

Graduate Division
Major Fields: English.
             Education.
             Philosophy.
Minor Fields: Economics.
             Psychology.
             Political Science.
             Sociology.
Note: A separate bulletin of the Graduate Division is issued.

Religion
Four credit hours in religion are required of Catholic students for each of the freshman and sophomore years. At the end of the sophomore year, the successful passing of a comprehensive examination in Catholic Dogma, Morals, Worship and Catholic Action is a requirement for graduation for all Catholic students. In the junior and senior years, there are elective courses in religion which are open to all students.

For Non-Catholic students there are prescribed courses in Character Building and Philosophy of Living to replace courses in religion.

Reserve Officers' Training Corps
Military Science is given under the direction of officers of the U. S. Army. All men students who are physically fit and have not previously completed the basic course or its equivalent, follow Military Science in the freshman and sophomore years. Continuation is optional for juniors and seniors.

The general objective is to qualify the student for leadership in time of national emergency, particularly as an officer of the Army of the United States. The immediate purposes are to awaken in the student an appreciation of the obligations of citizenship, to prepare him to discharge his duties as a citizen, and to promote his understanding of discipline, organization, and management of men.

Students enrolled in Military science and Tactics are organized as a Reserve Officers' Training Corps battalion of infantry with a band company, under com-
mand of a cadet major. Subordinate organizations are commanded by cadet cap-
tains and lieutenants. All cadet sergeants are members of the junior class. Cadet
 corporals are appointed from the sophomore class. Upon the successful completion
of the Second Year Advanced Course, the student is recommended for a commission
as a second lieutenant, Infantry Reserve.

The Advanced Course, ROTC, which was suspended for the duration of the war,
will be re-activated in September, 1946. Veterans, who have been honorably dis-
charged or transferred to the Enlisted Reserve Corps and relieved from active duty,
may elect the First Year Advanced Course, if qualified.

HEALTH SERVICE

A thorough physical examination is part of the registration procedure of every
student. Records are kept by the Department of Physical Education and of Mili-
tary Science. When deemed advisable, students and parents or guardians are given
copies. A follow-up is made at regular intervals. An infirmary is maintained with
a registered nurse in attendance. The services of outstanding physicians as well as
the facilities of three local hospitals are available to students.

REQUIREMENTS FOR DEGREES

For the degree of Bachelor of Arts or Bachelor of Science, one hundred and
twenty-eight credit hours are required. These credits must be distributed over
eight semesters in point of time. A student may carry an average of sixteen credit
hours per semester.

A credit hour denotes a semester course taken one hour a week as a class period
or two or three times per week as a laboratory period.

One major and two minors—a related and an unrelated minor—are required.
Ordinarily the pre-requisites for any major or minor must be satisfied in the first
two years. In some cases, however, sophomore courses may be counted towards
a major or minor. Any major or minor consists of certain required and elective
courses as described under the respective divisions and departments. A compre-
hensive examination in the major field may also be required.

For the degree of Bachelor of Music the courses as prescribed under this depart-
ment must have been completed.

For the degree of Bachelor of Science in Business Administration, courses in
one of the related groups with a major in Accounting, Economics, or Business
Organization must be completed.

For the degree of Bachelor of Science in Secretarial Studies the courses as
prescribed under this department must have been completed.

For the degree of Bachelor of Chemical, Civil, Electrical, or Mechanical Engi-
neering, one of the prescribed groups of courses in any of these departments must
be completed as specified under the College of Engineering.

One year of residence or thirty semester hours—ordinarily the senior year—is
a requirement for any bachelor degree.

In addition to the above requirements, a cumulative quality-point-average of
1.7 is required for good standing.

GRADUES AND SCHOLARSHIP

At mid-semester and at the end of a semester, a report of every student in each
of his classes is given to the registrar by the instructor in the official marks. Copies
of these reports are given to the students and deans and are sent to the parents or guardians. At mid-semester these marks are merely tentative and represent the progress made by the student. The final academic standing is determined only at the end of the semester.

The official marks with their meanings and quality point value are as follows:

- A—Excellent ........................................... 4 quality points*
- B—Good .................................................. 3 quality points*
- C—Fair .................................................... 2 quality points*
- D—Poor .................................................... 1 quality point *
- WP—Withdraw, Passing .................................. 0 quality point
- WF—Withdraw, Failure .................................. 0 quality point
- F—Failed .................................................. 0 quality point
- I—Incomplete ............................................ 0 quality point

*For each credit allowed for the course.

HONORS AND AWARDS

Awards and honors for scholarship are announced at the annual commencement and are published in the Catalogue of Awards.

Degrees will be conferred "With Honors" if the student has been awarded the Alpha Sigma Tau Honor Key.

The Alpha Sigma Tau Honor Key is awarded to Seniors who have attained a cumulative point average for seven semesters, at the University, of 3.5, based on 4.0. The Alpha Sigma Tau is the Honor Society of the University. These Seniors are eligible for membership in the Lambda Chapter of the Delta Epsilon Sigma National Honor Society.

Excellence in any particular class or study is determined by the cumulative point hour ratio of the number of credit hours prescribed for that class or study for the period fixed for the particular award or honor. A cumulative point hour ratio of at least 3.0 is required for any award or honor.

A mention of First Honors is given to students, for any particular year who have attained a cumulative point hour ratio of 3.5. A mention of Second Honors is given to students who have attained a cumulative point hour ratio of 3.0.

The following Awards are given annually through the generosity of donors:

- The Martin C. Kuntz, '12, Award of Excellence in the Junior Mechanical Engineering Class.
- The Harry F. Finke, '02, Award of Excellence in the Senior Civil Engineering Class.
- The Victor Emanuel, '15, in memory of Mrs. Albert Emanuel, Awards of Excellence in the Senior and Junior Chemical Engineering Classes.
- The Charles Huston Brown, in memory of Brother William Hoebe, Award of Excellence in the Senior Business Administration Class.
- The Mrs. J. Edward Sweetman, in memory of Mr. J. Edward Sweetman, Award of Excellence in the Junior Civil Engineering Class.
- The Anthony Horvath and Elmer Stegert Award of Excellence in the Senior Electrical Engineering Class.
- The Mrs. Louise A. and the Mrs. Lucille Hollenkamp, in memory of Bernard F. Hollenkamp, Award for Excellence in the Senior Mechanical Engineering Class.
The Dr. D. G. Reilly Awards—first, second, and third—of Excellence in Oratory. Only full-time students are eligible.


The President’s Award of Excellence in Debating.

The Class of 1926 Award of Excellence in Scholarship and Athletics to a member of the graduating class for an outstanding record throughout the four years of his college course.

The Class of 1942 Award of Excellence to a graduating Senior who has attended eight consecutive semesters and who has been voted by a committee of faculty and students as the most outstanding in scholarship, in leadership in activities, in character, and in promise of future success.

The Mathematics Club Alumni Awards of Excellence in the Junior and in the Senior Classes.

EXTRA-CURRICULAR ACTIVITIES

Extra-curricular activities are encouraged and are under the supervision of the faculty. Catholic students affiliate themselves with groups for the purpose of studying Catholic Action. “Cabos” is a selected group of students who sponsor religious and other activities. There is also a C. S. M. C. unit at the University. Intellectual interests are stimulated in the Alpha Sigma Tau Honor Society, the Sigma Delta Pi Pre-Medical Honor Society, the Chemical Seminar, the Student Chapter of the American Society of Civil Engineers, the Illuminating Engineering Society, the International Relations Club, the Commerce Club, the Mechanical Engineering Society, and the Radio Club. Literary and journalistic talent may be developed by writing for the Daytonian, the Exponent and the University of Dayton News. The Department of Mathematics sponsors a national society and the Home Economics Department fosters a varied program of extra-curricular activities. Musical talent finds expression in the Chapel Choir, the Glee Club, the Band and Orchestra. Public speaking is developed in the Upsilon Delta Sigma Debaters Club, and Thespians Club. Both inter-collegiate and intra-mural sports are fostered. The athletic activities include football, basketball, baseball, tennis, golf, track, bowling, and archery. Particular athletic organizations are: The Monogram Club, the Rifle Team, and the Pershing Rifle Club.

THE ADMISSION OF STUDENTS

Anyone desiring admission is required to file a written application. For admission to a freshman class the applicant must present a satisfactory high school record. This application for admission and high school record must be on forms supplied by the Registrar of the University. For advanced standing an applicant must see that the last institution attended sends an official transcript of credits together with a statement of honorable dismissal. A student is allowed to register only after all credentials have been received and evaluated and a registration permit has been issued.

The specific high school units required for admission to a freshman class are defined in the requirements of the various divisions of the College of Arts and Sciences and the College of Engineering.

The University does not have any dormitory accommodations for women. Women
under twenty-one years of age are not accepted as students in the undergraduate day classes unless they are residing with parents or close relatives in Dayton.

EXPENSES

Note. The Trustees of the University of Dayton reserve the right at any time to change the regulations of the University, including those concerning fees and the manner of payment, and to make such changes in the curriculum as they deem advisable.

The expenses indicated here are for each term of 1946-1947, unless otherwise indicated.

For All Students.

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matriculation Fee, payable once at entrance</td>
<td>$10.00</td>
</tr>
<tr>
<td>Graduation Fee</td>
<td>20.00</td>
</tr>
<tr>
<td>Tuition for a schedule of 15, 16, or 17 credits</td>
<td>130.00</td>
</tr>
</tbody>
</table>

Note. This amount of $130.00 includes activities fees and entitles students carrying such a schedule to the benefits of activities. One month from the date of registration, no refund is made to the student who withdraws.

Tuition per credit hour for students carrying less than 15, and in addition to the $130.00 for students carrying more than 17... 8.00

Deposit on Uniform for Fall and Winter Terms of 1946-1947, for students taking Basic Military Training, returnable... 20.00

Laboratory Fee, for each laboratory, average... 7.50

Breakage, Chemical, Physical, Biological, Home Economics, average... 7.50

Use of Typewriter... 5.00

For Campus Students.

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Board, Room, Laundry</td>
<td>212.50</td>
</tr>
<tr>
<td>Room Deposit, returnable</td>
<td>5.00</td>
</tr>
</tbody>
</table>

For Part-time Students.

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matriculation Fee, payable at first registration</td>
<td>5.00</td>
</tr>
<tr>
<td>Registration Fee, payable by all others...</td>
<td>1.00</td>
</tr>
</tbody>
</table>

REMARKS

A student may not register for a new term, a transcript of credits will not be issued, the honors of graduation will not be conferred, unless accounts with the University have been satisfactorily settled.

Students asking to pay in installments are required to pay also a moderate carrying charge.

An additional fee of $5.00 will be charged for late registration.

Books and stationery can be purchased at the University Book Store.

The University will not hold itself responsible for any money or valuables unless deposited with the treasurer.

All drafts and checks should be made payable to the University of Dayton.

The University dining hall is closed during the Christmas Holidays. With the permission of the Dean of Men, students may lodge in the dormitories.
COLLEGE OF ARTS and SCIENCES

1. Faculty
2. Division of Arts
3. Division of Science
4. Division of Business Administration
5. Division of Education
6. Courses of Instruction
FACULTY
of the
COLLEGE OF ARTS AND SCIENCES

SISTER AGNES IMMACULATA, S.N.D., B.A., M.A.
Associate Professor of English; Dean of Women.

EDNA ANDERSON, R.N., B.A.
Instructor in Nursing.

HARRY C. BAUJAN, Ph.B. of C.
Associate Professor of Physical Education and Athletic Director.

REV. EDMUND J. BAUMEISTER, S.M., B.S., Ph.D.
Dean of Graduate Division and Professor of Education.

WILLIAM A. BECK, S.M., B.S., M.Sc., Ph.D.
Professor of Biology.

WILLIAM J. BELLMER, S.M., B.S., M.A.
Head of Department and Professor of Mathematics.

HAROLD BERKE, B.S. in Aero. E.
Instructor in Mathematics.

MICHAEL A. BOBAL, S.M., B.S.
Instructor in Chemistry.

REV. JOSEPH BRUDER, S.M., B.A., S.T.D.
Instructor in Philosophy.

EDWARD R. BURROUGHS,
Assistant Professor of Art.
Dean of the School of the Dayton Art Institute.

SGT. WILLIAM F. BURTON, U.S. Inf.
Assistant Instructor of Military Science and Tactics.

LIDA MAE CAMPBELL, B.A., M.T.
Instructor in Medical Technology.

REV. CHARLES L. COLLINS, S.M., B.A., Ph.D.
Dean of the University and Registrar, Professor of Psychology.

URBAN A. DEGER,
Instructor in Music.

HENRY K. DEXTER, B.S., B.S. in Ed.
Instructor in Mathematics.

VINCENT C. DI PASQUALE, B.A., M.A.
Instructor in Italian.

MARCELLA G. DISBRO, B.S.
Instructor in Music.

ALOYS C. DOYLE, S.M., B.S.
Instructor in Physical Education.

EDWARD J. DURY, S.M., B.S., M.S.
Instructor in Biology.

REV. FLORIAN J. ENDERS, S.M., B.A.
Assistant Professor of Philosophy.

ROBERT A. ENOCH,
Instructor in Music.

JULIA CAREY EVERETT, R.N., B.S.
Instructor in Nursing.
EUNICE FRAZIER, B.S., M.A., M.T.
Instructor in Medical Technology.

MAJ. WILFRED I. FREEL, B.C.E., M.C.E.
Head of Department and Professor of Military Science and Tactics.

EUGENE G. FRIEDERICH, S.M., B.S.
Instructor in Secretarial Science.

REV. HENRY J. FRITZ, S.M., B.A., M.A.
Head of Department and Professor of Philosophy.

PAUL J. GAISER, B.A., LL.B.
Instructor in Russian.

Head of Department and Professor of Chemistry.

JEROME H. GIBSON, B.A.
Head of Department and Professor of Psychology.

MICHAEL B. GRANDY, S.M., B.S., M.S., Ph.D.
Professor of Physics.

GARTH E. HECKMAN, B.S., M.B.A.
Assistant Professor of Business Organization.

THEODORE HEIMANN,
Instructor in Voice.

JAMES H. HENNESSY, B.A., Reg. Technician
Instructor in Roentgenology.

HENRY C. HODGES, M.A., Ph.D.
Instructor in Business Organization.

THEODORE J. HOEFFKEN, S.M., B.A., Ph.D.
Supervisor of Student Teaching.

MARY E. HORRIGAN, R.N., B.S., M.A.
Instructor in Health and Physical Education.

EDWARD A. HUTH, B.A., M.A., Ph.D.
Acting Head of Department and Associate Professor of Sociology.

AMRON H. KATZ, B.A.
Instructor in Mathematics.

PAUL KATZ, B. Mus.
Instructor in Music.

REV. JOHN P. KENNY, O.P., B.A., M.A.
Assistant Professor of Philosophy.

ROLAND KINDER, B.C.S., B.S.
Instructor in Secretarial Science.

BARRETT B. KLOPFER,
Instructor in Business Organization.

EDWARD H. KNUST, S.M., B.S., M.S.
Professor of Mathematics.

REV. HENRY J. KOBE, S.M., B.A.
Head of Department and Associate Professor of History.

GENNADY M. KOSOLAPOFF, B.S., Ch.E., M.S., Sc.D.
Instructor in Chemistry and Russian.

ELMER C. LACKNER, S.M., B.A., M.A.
Assistant Dean and Acting Head of the Division of Arts; Director of Evening Classes; Assistant Professor of History.

LEE O. LANTIS, B.A., M.A., Ph.D.
Assistant Professor of History.
COLLEGE OF ARTS AND SCIENCES

DANIEL L. LEARY, B.A., M.A., Ph.D.
Associate Dean, Division of Education, Professor of Education.

NEWTON E. LEYDA, B.S., M.D.
Instructor in Industrial Nursing.

REV. EDWIN M. LEIMKUHLER, S.M., B.A., M.A.
Head of Department and Professor of Religion.

ALFRED LONSING, S.M., Ph.D.
Associate Professor of Biology.

JOHN J. LUCIER, S.M., B.S.
Instructor in Chemistry.

GLADYS MAGETTY,
Instructor in Music.

FRANCES L. MARKUS, R.N., B.S. in Ed.
Instructor in Nursing.

FRANCES McCLELLAN, B.S., M.T.
Instructor in Medical Technology.

JAMES F. MADIGAN, B.S., Ch.E.
Instructor in Mathematics.

EDWARD J. MAHLMEISTER, B.S. in Com.
Instructor in Accounting.

SISTER MARIE FIDELIS, S.N.D., B.A., M.A.
Professor of English.

SISTER M. HILDA, M.S.C., B.S., M.A.
Instructor in Home Economics.

SISTER M. PELAGIA, M.S.C., B.A., M.A.
Instructor in Education.

SISTER M. RAPHAEL, M.S.C., B.S., M.A.
Assistant Professor of Home Economics.

VELMA M. MILLER, B.C.S., M.Ed.
Head of Department and Assistant Professor of Secretarial Science.

SISTER MINALIA, O.S.F., B.S., M.A.
Director, St. Elizabeth Hospital School of Nursing; Instructor in Nursing Education.

FRANCIS J. MOILZ, S.M., B.S., M.Sc., Ph.D.
Associate Dean, Division of Science, Head of Department and Professor of Biology.

VERNICE S. MOWRY, R.N., B.S.
Instructor in Nursing Education.

TODD C. MUMMA, B.S., C.P.A.
Instructor in Accounting.

GEORGE W. NAGEL, S.M., B.S., M.A.
Assistant Dean and Acting Head of the Division of Business Administration; Assistant Professor of History.

GEORGE A. NICOLL, B.S., M.D.
Instructor in Roentgenology.

GRACE NORRIS, B.S., M.T.
Instructor in Medical Technology.

EDMUND B. O'LEARY, B.S., M.A., Ph.D.
Head of Departments of Economics and of Business Organization; Professor of Business Organization, Economics.
MELVIN OOSTING, B.S., M.D.
Director, Diagnostic Laboratories, Miami Valley Hospital.

S. NORMAN PARK, B.A., M.A.
Instructor in Music.

FRANCIS PATZAK, S.M.
Head of Department and Associate Professor of Physics.

EUGENE A. PAULIN, S.M., B.S., L.S., M.Sc., Ph.D.
Supervisor of Student Teaching.

CYRIL G. PECKHAM, B.S., M.S.
Assistant Professor of Mathematics.

JOHN R. PERZ, S.M., B.A., M.A., Ph.D.
Head of Department of Modern Languages; Professor of German and Spanish.

THOMAS L. POITRAS, S.M., B.S., B.A., M.A.
Professor of French.

REV. CHARLES V. PREISINGER, S.M., B.A., M.A.
Associate Professor of History.

THOMAS J. PRICE, S.M., B.A., M.A.
Associate Professor of English.

FERNE B. REEVER, R.N., B.S.
Instructor in Nursing.

MAURICE R. REICHERD, B.A., M.A.
Head of Department and Assistant Professor of Music.

President of the University; Professor of Philosophy.

REV. EDMUND L. RHODES, S.M., B.A., S.T.L.
Instructor in Latin and Greek.

ALBERT H. ROSE, S.M., B.S. in Ed., M.A.
Instructor in Political Science.

FRANCIS H. RUHLMAN, S.M., B.A., B.S. in L.S.
Librarian.

LOUIS A. SALETEL, S.M., B.S., Ph.D.
Head of Department and Professor of Geology.

BERNARD T. SCHAD, S.M., B.S., M.Sc., M.S.E., Ph.D.
Supervisor of Student Teaching.

FRANK E. SCHNEIDER, B.S., M.A.
Instructor in Chemistry.

KENNETH C. SCHRAUT, B.A., M.A., Ph.D.
Associate Professor of Mathematics.

EILEEN L. SEARS, B.S. in Ed., M.A.
Instructor in Physical Education and Music.

BARTH J. SNYDER, B.A., J.D., M.A.
Assistant Professor of Accounting and Business Organization.

LOUIS W. SPRAGUE, Mus.D.
Instructor in Piano and Musical Composition.

ADDIE D. STANFORD, M.D.
Associate Director, Miami Valley Hospital School of Medical Technology.

FRANCES L. THORNTON, B.S.
Instructor in Medical Technology.

BETTY J. THOMAS, Mus.B.
Instructor in Music.
B. BERNARR VANCE, B.S., M.A.
    Instructor in Biology and Education.
REV. VINCENT R. VASEY, S.M., B.S. in Ed., M.A.
    Instructor in English.
WILLIAM O. WEHRLE, S.M., B.A., M.A., Ph.D.
    Head of Department and Professor of English.
SIEGFRIED R. WENG, Ph.B., M.A.
    Assistant Professor of Art and Director of the Dayton Art Institute.
EDWARD G. WESTBROCK, S.M., B.S., M.B.A.
    Assistant Professor of Secretarial Science.
JOSEPHINE WENNING, R.N., B.S.
    Instructor in Nursing.
MARY P. WILLIAMS, B.A.
    Instructor in Home Economics.
VINCENT J. WOTTLE, S.M., B.S., M.Sc.
    Associate Professor of Chemistry.
E. ELIZA WRIGHT, B.S. in H.Ec.
    Instructor in Home Economics.
VERYL ZECH,
    Instructor in Music.
MARIANNA ZIMMERMAN, R.N., B.S.
    Instructor in Nursing Education.
DIVISION OF ARTS

The Division of Arts has a function to provide the fundamentals of a liberal education. Among the broad objectives to be served by such a type of education are the following: to enrich the student's cultural background; to stimulate intellectual activity; to educate for satisfactory social adjustments; to develop capacities for leadership. The University regards as a special feature of its educational program the training given to all of its students in the field of philosophy in order to achieve the objectives of life integration, character formation and responsible citizenship. In particular, students registered in the Division of Arts are required to take at least a minor in philosophy in view of the role philosophical principles play in effective thinking, speaking, writing, and living.

In its curriculum, the Division of Arts aims to furnish special preparation for various professions such as education, art, music, law, journalism, social service, personnel administration, foreign service, as well as the more comprehensive forms of business and industrial activity. It also seeks to prepare students for study on the graduate level.

For admission to the Division of Arts a student must be a graduate of an accredited high school, with a total of not less than 15 units, including English, 3 or 4; social science, 2; mathematics, 2; science, 2; foreign language, 2; electives, 3 or 4.

Courses corresponding to freshman and sophomore years are designated as lower division courses. These courses are selected with a view to bring the student into contact with the broad fields of the humanities, the natural and the social sciences, and to teach him the use of the tools of learning. Basic courses are also offered in order to prepare the student for his selected field of concentration.

The requirements for the first two years are:

FRESHMAN YEAR
1. Life of Christ I and II (for Catholic students).
2. Character Formation (for non-Catholic students).
3. First-year Basic Military.
4. Physical and Health Education.
5. English Composition, Public Speaking.
7. A foreign language: French, German, Spanish, Latin, or Greek.
8. Biology, Chemistry, Geology, or Mathematics.

SOPHOMORE YEAR
2. Philosophy of Living (for non-Catholic students).
4. A foreign language.
5. English and American Literature.
6. Psychology.
7. History, Economics, Political Science, or Sociology.

Catholic students are required to follow the courses in religion as prescribed for the freshman and the sophomore year; the courses in the junior and the
senior year are elective. Non-Catholic students are required to take the courses in Character Formation and Philosophy of Living.

The normal schedule is sixteen or seventeen credit hours each semester.

For the B.A. degree, the University of Dayton sets down the following basic requirements: English, 12 credit hours; history, 6 credit hours; natural science or mathematics, 6 credit hours; social science, 6 credit hours; philosophy, 12 credit hours; a major, 20 to 24 credit hours; a related and unrelated minor, 12 credit hours each.

The junior and senior years are generally devoted to study in the major and minor fields. Subjects which may count towards the major or minor are listed in the catalogue as 300 and 400 courses and designated as upper division courses. Only exceptionally may lower division courses satisfy the requirements for the major or minor. Departments offering majors are: Art, Classical Languages, Economics, English, History, Modern Languages, Music, Philosophy, Political Science, Psychology, and Sociology. A minor is offered in the Department of Physical and Health Education.

Before the end of his sophomore year, the student selects, after consultation, his field of concentration in one of the departments offering a major. Before being admitted to a major in a given department, the student must be accepted by the head of the department, who also approves the choice of courses for each semester. The student is advised to carry two courses in his major field each semester.

In addition to the major, two minors must be chosen. One of these must be related to the field of concentration. When philosophy is not elected as the major, it must be taken as one of the minors.

PRE-PROFESSIONAL COURSES

The schedule should be drawn up with a view to preparation for a particular profession which the student may have in mind. Hence it is imperative that the student consult so as to receive the proper educational and vocational guidance.

Students contemplating the legal profession can generally satisfy the requirements of Schools of Law by following the curriculum prescribed for the Division of Arts or the Division of Business Administration. Information as to specific requirements should be secured from the particular School of Law which the student desires to enter. Ordinarily ninety credit hours will admit to law school; in particular instances, a bachelor's degree is required.

For foreign service, a curriculum, similar to that of pre-legal students, should be followed with special emphasis on foreign languages and political science.

Two years of college study are required for admission to the first year of Philosophy in diocesan seminaries. During these years stress should be placed upon English, the classical and modern foreign languages.

In the fields of social service and public administration, there is a great demand for trained personnel. The bachelor's degree is required for admission to a recognized School of Social Work. The undergraduate curriculum should include courses in biology, economics, philosophy, political science, psychology, religion, sociology, and statistics.

DIVISION OF SCIENCE

Candidates for the degree of Bachelor of Science may major in Biology, Chemistry,
Geology, Home Economics, Mathematics, Medical Technology, Medical Radiological Technique, Nursing Education and Physics.

Besides satisfying requirements already mentioned in the foreword under the heading Requirements for Degrees, an applicant for a degree must have acquired from 18 to 24 credit hours for the major, 12 credit hours for the related minor, and 12 credit hours for the unrelated minor. The basic courses do not count toward the major or related minor. Special curricula for the various fields in which students of Home Economics may major are listed below.

REQUIREMENTS FOR ADMISSION

For admission to the Division of Science, students shall have completed a four-year course of at least fifteen units in an accredited high school or other institution of standard secondary school grade. They must be in the upper two-thirds of their classes.

REQUIRED STUDIES ........................................... 9 units
English .......................................................... 3 units
Language—Latin, Greek, or Modern Foreign Language ........................................... 2 units
Algebra—To Quadratics* ......................................... 1 unit
Geometry—Plane* .............................................. 1 unit
History .......................................................... 1 unit
Chemistry or Physics ........................................... 1 unit
Electives ......................................................... 6 units

*Students wishing to major in chemistry, mathematics, or physics should present 1½ units in algebra and 1½ units in plane and solid geometry.

Home Economics students should have 1 unit in a laboratory science, preferably in chemistry.

PRE-MEDICAL COURSE

The program offered the students of this course meets the requirements for admission to approved medical schools as determined by the Council of Medical Education of the American Medical Association.

For those pre-medical students for whom it is possible, the four-year course leading to the degree of Bachelor of Science with majors in Chemistry or Biology is recommended.

PRE-DENTISTRY

The minimal entrance requirements for a dental school are similar to those listed for admission to Medical School.
CURRICULUM LEADING TO BACHELOR OF SCIENCE
WITH A MAJOR IN BIOLOGY

This course, consisting of a major in Biology and a related minor in Chemistry, is especially adapted to the needs of pre-medical and pre-dental students.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rel.</td>
<td>103</td>
<td>Life of Christ I or Rel.</td>
<td>104</td>
</tr>
<tr>
<td>Phil.</td>
<td>103</td>
<td>Character Format'n 2 Phil.</td>
<td>104</td>
</tr>
<tr>
<td>Mil.</td>
<td>101</td>
<td>First Basic .......... 1½ Mil.</td>
<td>102</td>
</tr>
<tr>
<td>Phe.</td>
<td>101</td>
<td>Phys. Education ..... ½ Phe.</td>
<td>102</td>
</tr>
<tr>
<td>Phe.</td>
<td>103</td>
<td>Health ................ ¹⁄₂ Phe.</td>
<td>104</td>
</tr>
<tr>
<td>Chem.</td>
<td>103</td>
<td>Gen. Chem. Inorg... 4 Chem.</td>
<td>104</td>
</tr>
<tr>
<td>Eng.</td>
<td>101</td>
<td>English Comp. ....... 3 Eng.</td>
<td>221</td>
</tr>
<tr>
<td>Or.</td>
<td>101</td>
<td>Freshman Orient ... 0 Or.</td>
<td>102</td>
</tr>
<tr>
<td>Bio.</td>
<td>103</td>
<td>General Zoology .... 4 Bio.</td>
<td>104</td>
</tr>
<tr>
<td>Math.</td>
<td>101</td>
<td>Freshman Math. ..... 3 Math.</td>
<td>102</td>
</tr>
</tbody>
</table>

SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rel.</td>
<td>203</td>
<td>Christian Marriage or Rel.</td>
<td>204</td>
</tr>
<tr>
<td>Phil.</td>
<td>203</td>
<td>Phil. of Living ...... 2 Phil.</td>
<td>204</td>
</tr>
<tr>
<td>Mil.</td>
<td>201</td>
<td>Second Basic .......... 1½ Mil.</td>
<td>202</td>
</tr>
<tr>
<td>Bio.</td>
<td>201</td>
<td>Comparative Anat. .. 3 Bio.</td>
<td>202</td>
</tr>
<tr>
<td>Chem.</td>
<td>201</td>
<td>Organic Chem. ..... 5 Chem.</td>
<td>202</td>
</tr>
<tr>
<td>Phys.</td>
<td>201</td>
<td>Physics ............ 5 Phys.</td>
<td>202</td>
</tr>
<tr>
<td>Phe.</td>
<td>201</td>
<td>Physical Educ. . (Women) .......... ½ Phe.</td>
<td>202</td>
</tr>
</tbody>
</table>

JUNIOR YEAR

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem.</td>
<td>301</td>
<td>Quant. Chem. .... 4 Bio.</td>
<td>302</td>
</tr>
<tr>
<td>Bio.</td>
<td>301</td>
<td>Histology ......... 3 Bio.</td>
<td>303</td>
</tr>
<tr>
<td>Eng.</td>
<td>305</td>
<td>Latin, Greek Der. .. 3 Bio.</td>
<td>303</td>
</tr>
<tr>
<td>Phil.</td>
<td>312</td>
<td>Logic .............. 3 Mod. Language* .... 3</td>
<td></td>
</tr>
</tbody>
</table>

SENIOR YEAR

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bio.</td>
<td>401</td>
<td>Bacteriology .......... 3 Bio.</td>
<td>402</td>
</tr>
<tr>
<td>Chem.</td>
<td>401</td>
<td>Biochemistry ........ 5 Chem.</td>
<td>402</td>
</tr>
<tr>
<td>Bio.</td>
<td>405</td>
<td>Biophysics .......... 2 Bio.</td>
<td>404</td>
</tr>
<tr>
<td>Phil.</td>
<td>324</td>
<td>Ethics .......... 3 Phil.</td>
<td>482</td>
</tr>
</tbody>
</table>

* German or French
CURRICULUM LEADING TO THE DEGREE OF
BACHELOR OF SCIENCE WITH A
MAJOR IN CHEMISTRY

The following curriculum consists of a major in Chemistry and a related minor in
Mathematics. Physics, Geology, or Biology may replace Mathematics as a minor. The
course is suggestive; variations may be made to satisfy individual needs.

**FIRST YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religion or Philosophy</td>
<td>2</td>
</tr>
<tr>
<td>Military, First Basic</td>
<td>1 1/2</td>
</tr>
<tr>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Health</td>
<td>1/2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1/2</td>
</tr>
<tr>
<td>Unified Mathematics</td>
<td>5</td>
</tr>
<tr>
<td>Inorganic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>Orientation</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religion or Philosophy</td>
<td>2</td>
</tr>
<tr>
<td>Military, First Basic</td>
<td>1 1/2</td>
</tr>
<tr>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1/2</td>
</tr>
<tr>
<td>Unified Mathematics</td>
<td>5</td>
</tr>
<tr>
<td>Inorganic Chemistry (Qualitative)</td>
<td>5</td>
</tr>
<tr>
<td>General Physics (Mechanics and Sound)</td>
<td>4</td>
</tr>
</tbody>
</table>

**SECOND YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religion or Philosophy</td>
<td>2</td>
</tr>
<tr>
<td>Military, Second Basic</td>
<td>1 1/2</td>
</tr>
<tr>
<td>Calculus</td>
<td>4</td>
</tr>
<tr>
<td>General Physics (Electricity and Magnetism)</td>
<td>4</td>
</tr>
<tr>
<td>Quantitative Analysis</td>
<td>4</td>
</tr>
<tr>
<td>German</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religion or Philosophy</td>
<td>2</td>
</tr>
<tr>
<td>Military, Second Basic</td>
<td>1 1/2</td>
</tr>
<tr>
<td>Calculus</td>
<td>4</td>
</tr>
<tr>
<td>General Physics (Heat and Light)</td>
<td>4</td>
</tr>
<tr>
<td>Quantitative Analysis</td>
<td>4</td>
</tr>
<tr>
<td>German</td>
<td>3</td>
</tr>
</tbody>
</table>

**THIRD YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Scientific German</td>
<td>3</td>
</tr>
<tr>
<td>Logic</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Scientific German</td>
<td>3</td>
</tr>
<tr>
<td>Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

**FOURTH YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>Technical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>Sociology</td>
<td>3</td>
</tr>
<tr>
<td>English Literature</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>3-6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>Technical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>Theme Writing</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Organic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>Seminar</td>
<td>1</td>
</tr>
</tbody>
</table>

Subjects recommended as electives:

Metallurgy, Atomic Physics, Geology, Advanced Calculus, General Biology, Bacteriology, Thermodynamics, Principles of Economics, Biochemistry and Advanced Military.
CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF SCIENCE WITH A MAJOR IN MATHEMATICS

The following course consists of a major in Mathematics and a related minor in Physics. Biology, Chemistry, or Geology may replace Physics as a minor. The curriculum is suggestive; variations may be made to satisfy individual needs.

**FIRST YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Cr. Hours</th>
<th>Second Semester</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religion or Philosophy</td>
<td>2</td>
<td>Religion or Philosophy</td>
<td>2</td>
</tr>
<tr>
<td>English Composition</td>
<td>3</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>Military, First Basic</td>
<td>1½</td>
<td>Military, First Basic</td>
<td>1½</td>
</tr>
<tr>
<td>Health</td>
<td>1/2</td>
<td>Physical Education</td>
<td>1/2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1/2</td>
<td>General Physics (Mechanics and Sound)</td>
<td>4</td>
</tr>
<tr>
<td>Orientation</td>
<td>0</td>
<td>Unified Mathematics</td>
<td>5</td>
</tr>
<tr>
<td>Unified Mathematics</td>
<td>5</td>
<td>Inorganic Chemistry (Qualitative)</td>
<td>4</td>
</tr>
<tr>
<td>Inorganic Chemistry</td>
<td>5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SECOND YEAR**

| Religion or Philosophy | 2         | Religion or Philosophy | 2         |
| Military, Second Basic | 1½        | Military, Second Basic | 1½        |
| Calculus | 4         | Calculus | 4         |
| German | 3         | German | 3         |
| General Physics (Electricity and Magnetism) | 4         | General Physics (Heat and Light) | 4         |
| Electives | 3         | Electives | 3         |
| Logic | 3         | Ethics | 3         |
| Theory of Equations or Statistics | 3         | Differential Equations | 3         |
| Scientific German | 3         | Scientific German | 3         |
| Mechanics | 4         | Wave Theory and Sound | 8         |
| Electives | 3         | Electives | 3         |

**THIRD YEAR**

| Ethns | 3         | Differential Equations | 3         |
| Scientific German | 3         | Wave Theory and Sound | 8         |
| Electives | 3         | Electives | 3         |
| Differential Equations or Statistics | 3         |                   |           |

**FOURTH YEAR**

| Electricity and Magnetism | 5         | Heat | 3         |
| Advanced Calculus | 3         | Advanced Calculus | 3         |
| Electives | 7         | Fourier Series | 3         |
| Electives | 6         |                   |           |

CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF SCIENCE WITH A MAJOR IN PHYSICS

This proposed program is not inflexible but may be varied to suit the inclinations or needs of the individual. Thus chemistry or biology may replace mathematics as a minor, and physics courses other than those listed may be chosen.

**FIRST YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Cr. Hours</th>
<th>Second Semester</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religion or Philosophy</td>
<td>2</td>
<td>Religion or Philosophy</td>
<td>2</td>
</tr>
<tr>
<td>English Composition</td>
<td>3</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>Inorganic Chemistry</td>
<td>5</td>
<td>Inorganic Chemistry (Qualitative)</td>
<td>4</td>
</tr>
<tr>
<td>Military, First Basic</td>
<td>1 1/2</td>
<td>Military, First Basic</td>
<td>1 1/2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1/2</td>
<td>Physical Education</td>
<td>1/2</td>
</tr>
<tr>
<td>Health</td>
<td>1/2</td>
<td>General Physics (Mechanics and Sound)</td>
<td>...</td>
</tr>
<tr>
<td>Orientation</td>
<td></td>
<td>Unified Mathematics</td>
<td>5</td>
</tr>
<tr>
<td>Unified Mathematics</td>
<td>5</td>
<td>Unified Mathematics</td>
<td>5</td>
</tr>
</tbody>
</table>

**SECOND YEAR**

| Religion or Philosophy | 2         | Religion or Philosophy | 2         |
| Military, Second Basic | 1 1/2     | Military, Second Basic | 1 1/2     |
| Calculus | 4         | Calculus | 4         |
| German | 3         | German | 3         |
| General Physics (Electricity and Magnetism) | 4         | General Physics (Heat and Light) | 4         |
| Electives | 3         | Psychology | 3         |

**THIRD YEAR**

| English Literature | 3         | Theme Writing | 3         |
| Logic | 3         | Ethics | 3         |
| Theory of Equations | 3         | Differential Equations | 3         |
| Scientific German | 3         | Scientific German | 3         |
| Mechanics | 4         | Wave Theory and Sound, or Heat... | 3         |

**FOURTH YEAR**

| Sociology | 3         | Social Problems | 3         |
| Electricity and Magnetism | 5         | Electronics | 4         |
| Physical Optics | 4         | Introduction to Atomic Physics | 3         |
| Electives | 3-6       | Electives | 3-6       |

Subjects recommended as electives:
PRE-NURSING

Curriculum of studies in accordance with the needs of students desiring to prepare themselves for the Basic Nursing School Program, or in preparation for a degree in Nursing or in Nursing Education.

PRE-CLINICAL CURRICULUM

Beginning with the summer quarter of 1945, the students of the St. Elizabeth Hospital School of Nursing have matriculated at the University of Dayton during their pre-clinical period in the School of Nursing.

The schedule of studies includes:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bio. 120-121N</td>
<td>Anatomy and Physiology</td>
</tr>
<tr>
<td>Chem. 121-122N</td>
<td>Chemistry—General and Applied</td>
</tr>
<tr>
<td>Eng. 101</td>
<td>English Composition</td>
</tr>
<tr>
<td>Bio. 123N</td>
<td>Microbiology</td>
</tr>
<tr>
<td>Phe. 101</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Psych. 201N</td>
<td>Psychology—Introduction to</td>
</tr>
<tr>
<td>Rel. 101</td>
<td>Religion or</td>
</tr>
<tr>
<td>Phil. 203</td>
<td>Character Formation</td>
</tr>
<tr>
<td>Soc. 121N</td>
<td>Introductory Sociology</td>
</tr>
</tbody>
</table>

During this period the students live in Schervier Hall on the Nursing School Campus and combine the educational and social life of the University with that of the School of Nursing.

At the completion of the pre-clinical period, the nursing courses, with laboratory practice, are followed at the St. Elizabeth Hospital School of Nursing.

Complete details concerning this program may be found in the Bulletin of St. Elizabeth Hospital School of Nursing.

NURSING EDUCATION

Students who have completed a standard course in Nursing at a properly accredited institution will be allowed sixty semester credit hours toward a degree. St. Elizabeth Hospital School of Nursing at Dayton is such an institution. (See Bulletin of St. Elizabeth Hospital School of Nursing.) INSTITUTIONAL AFFILIATION exists with the University of Dayton since November, 1938.

The Collegiate Course leads to the degree of Bachelor of Science, Bachelor of Science in Nursing or Bachelor of Science in Nursing Education.

The University of Dayton offers the following three plans to nurses who wish to secure one of the above degrees:

Plan I. The Combined Course: Liberal Arts course at the University of Dayton correlated with the basic course in nursing at St. Elizabeth Hospital School of Nursing. This course may be completed in 4 to 5 years, depending upon the ability of the student.

Plan II. Two years at the University of Dayton followed by the three year basic course in nursing at St. Elizabeth Hospital School of Nursing.

Plan III. The completion of the three year basic course in nursing at St.
Elizabeth Hospital School of Nursing followed by two years at the University of Dayton.

For further information consult the Registrar of the University of Dayton or the Director of the School of Nursing.

Program for the Five Year Combined Nursing and Collegiate Course Leading to a Degree.

For the Collegiate Course leading to the degree of Bachelor of Science, Bachelor of Science in Nursing or Bachelor of Science in Nursing Education, the following curriculum should be followed:

1. Basic Professional Course in Nursing 60 credits

2. A minimum of 42 academic or non-professional credits in the following subjects:
   - English .................................................. 12 credits
   - Philosophy ............................................... 6 credits
   - Psychology ............................................... 6 credits
   - History and Social Sciences .......................... 12 credits
   - Natural Science ....................................... 6-8 credits

3. Electives, including Nursing Education and General Education, may be chosen depending upon the degree desired.

4. For the degree of Bachelor of Science in Nursing 8 additional credits in Nursing Education are required.

5. For the degree of Bachelor of Science in Nursing Education the required number of credits in General Education is 10-12 and in Nursing Education 18-20.

6. For the degree of Bachelor of Science 6-12 additional credits in Biology or Chemistry are required.

For the degree of Bachelor of Science in Nursing, survey courses and those giving a broad knowledge of nursing and its various fields are recommended.

For Nursing Education the above type courses plus some in Supervision, Administration and in the major fields of interest are recommended. Supervision and teaching in these latter fields are desirable.

Students who meet the requirements for the degree of Bachelor of Science in Nursing Education may become eligible for a Provisional Teacher's Certificate which will entitle them to teach in the fields for which they qualify. This will permit them to teach in State accredited schools. Those who are interested in obtaining this Provisional Teacher's Certificate should make the fact known at registration so that they may be properly directed in the outlining of their schedule of courses.

MEDICAL TECHNOLOGY

In December, 1943, the Diagnostics Laboratories of the Miami Valley Hospital Training School in Medical Technology, which is approved by the Council on Medical Education and Hospitals of the American Medical Association and accredited by the Registry of Medical Technologists of the American Society of Clinical Pathologists, was affiliated with the University of Dayton. This permits a student meeting the requirements of the University to obtain the degree of Bachelor of Science in Medical Technology.

The Diagnostic Laboratories enable the student to receive practical and theo-
retical experience in the various branches of the clinical laboratory and qualifies the graduate for positions in physicians' offices, clinics, and hospitals.

Women who have excelled in scientific work in high school and college are preferred. There are few opportunities for the employment of men in medical technology.

ADMINISTRATION

The diagnostic Laboratories is under the following administration:
Mr. O. K. Fike.................................. Director, Miami Valley Hospital
Melvin Oosting, M.D............. Director, The Diagnostic Laboratories; Head of the Dept. of Medical Technology.
Rev. George J. Renneker, S.M., Ed. D.......................... President, University of Dayton
Francis J. Molz, S.M., Ph. D.................. Associate Dean, Head of Division of Science

FACILITIES FOR INSTRUCTION

Material for instruction is furnished from all departments of the Hospital. An average of 100,000 laboratory examinations are made annually.

METHODS OF INSTRUCTION

Instruction is largely by supervised practice supplemented by a series of lectures in general and clinical pathology and by assignments in recognized textbooks and laboratory periodicals.

Regular conferences and examinations are held throughout the year. A final examination is given patterned after that of the Registry of Medical Technologists.

ENTRANCE REQUIREMENTS FOR THE SCHOOL OF MEDICAL TECHNOLOGY

Application may be made in person or by letter. A personal interview is highly desirable. Students are accepted for training in Medical Technology at the beginning of January and of July.

A. Applicants for the Certificate only must present the following qualifications:

1. Two years of college work at a recognized institution:

2. The minimum credits required by the Registry of Medical Technologists,
   Ball Memorial Hospital, Muncie, Indiana. An official transcript of college
   credits approved by the Registry and furnished to the school after accept-
   ance by the Registry. It is preferred that the transcript show credit in the
   following subjects:
   a. Biology: 10 semester hours of which at least 6 must be in zoology;
   b. Bacteriology: A minimum of 3 semester hours; if not available, another
      course in biology may be substituted;
   c. Chemistry:
      (1) General Inorganic Chemistry: A minimum of 8 semester hours, of
          which 2 must be in laboratory;
      (2) Organic Chemistry: A complete course of at least 6 semester hours,
          of which 2 must be in laboratory;
      (3) Quantitative Chemistry; 3 semester hours;
d. Physics: A minimum of 8 semester hours, of which 2 must be in laboratory;
e. English: 6 semester hours in English Composition and Literature.

3. A year (12 months) of work at the Miami Valley Hospital Training School in Medical Technology.

B. Applicants for the degree of Bachelor of Science in Medical Technology from the University of Dayton must present the following qualifications:

1. Three years of college work and ordinarily completed before being admitted to the Miami Valley Hospital Training School in Medical Technology; the subjects listed above should be included;
2. A minimum of 128 semester hours, including the major in Medical Technology (31 credits), a related minor in either Chemistry or Biology (12 credits not including basic courses), and an unrelated minor (12 credits);
3. A minimum of 30 semester hours must be earned in residence at the University of Dayton.

Note: PREFERENCE WILL BE GIVEN TO STUDENTS INTERESTED IN OBTAINING A DEGREE.

EXPENSES

1. Tuition: There is no tuition for students working for the certificate only during the year in the Diagnostic Laboratories. Students working for a B.S. degree from the University of Dayton are required to pay the regular University tuition for the practical year, and register with the University.
2. Maintenance: The hospital will furnish one meal a day.
3. Uniforms: The student shall provide herself with at least six approved white uniforms which will be laundered by the hospital; and also a pair of comfortable white shoes.
4. One good textbook on clinical laboratory procedures approved by the Director of the School.

LENGTH OF THE COURSE

It covers a period of twelve consecutive months. Vacation periods or leave are not provided or desirable, but can be arranged upon necessity. The hours of duty are from 8 A.M. to 5 P.M., five and one-half days a week. There is no Sunday duty.

Textbook assignments and extra-curricular reading and study shall be done outside of regular hours.

Written and oral examinations are held at regular intervals throughout the course.

GRADUATION AND REGISTRATION

After demonstrating a theoretical and practical proficiency in clinical laboratory procedures, the student is given a diploma, by the Hospital and becomes eligible for the national examination for Certification by the Registry of Medical Technologists. Students registered at the University are eligible for the B.S. degree in Medical Technology.

Examinations for Registration and the certificate of M.T. (Medical Tech-
nologist) are given in April and October by the Registry of Medical Technologists in various cities. These are comprehensive and are written and oral.

**CURRICULUM**

The following is for those who intend to earn a B.S. with a major in Medical Technology:

The freshman and sophomore years are the same as indicated in the pre-medical curriculum above with these exceptions: First and second basic military training are not required. In the sophomore year the modern language is replaced by general ethics and medical ethics.

**JUNIOR YEAR**

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Cr. Hours</th>
<th>SECOND SEMESTER</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subjects</td>
<td></td>
<td>Subjects</td>
<td></td>
</tr>
<tr>
<td>Chem.</td>
<td>301</td>
<td>Quantitative Chem.</td>
<td>4</td>
</tr>
<tr>
<td>Bio.</td>
<td>401</td>
<td>Bacteriology, Gen'l</td>
<td>3</td>
</tr>
<tr>
<td>Bio.</td>
<td>301</td>
<td>Histology</td>
<td>3</td>
</tr>
<tr>
<td>Eng.</td>
<td>305</td>
<td>Latin and Greek</td>
<td>3</td>
</tr>
<tr>
<td>Chem.</td>
<td>401</td>
<td>Biochemistry</td>
<td>5</td>
</tr>
<tr>
<td>Bio.</td>
<td>305</td>
<td>Microtechnique</td>
<td>1 or 2</td>
</tr>
</tbody>
</table>

**SENIOR YEAR**

At Miami Valley Hospital Training School in Medical Technology.

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Cr. Hours</th>
<th>SECOND SEMESTER</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subjects</td>
<td></td>
<td>Subjects</td>
<td></td>
</tr>
<tr>
<td>Met.</td>
<td>451</td>
<td>Urinalysis; Gastric</td>
<td>Met.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Contents &amp; Renal</td>
<td>Met.</td>
</tr>
<tr>
<td></td>
<td>452</td>
<td>Function</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>453</td>
<td>Hematology</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bacteriology; Ser-</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ology; Sputum;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>feces &amp; Spinal Fluid</td>
<td></td>
</tr>
</tbody>
</table>

For students who are not interested in receiving a degree but desire to earn a certificate only, a two-year program will be arranged by the Head of the Division which will satisfy the minimum requirements listed above for admission to Miami Valley Hospital Training School in Medical Technology. In general this program will be similar to the first two years of the pre-medical curriculum.
RADIOLOGICAL TECHNIQUE

A twelve month course in radiological technique is offered by the Radiology Department of Miami Valley Hospital. Affiliation with the University of Dayton permits a student to obtain a degree of Bachelor of Science in Medical Radiological Technique, if the University's requirements are met. The school is approved by the Council on Medical Education and Hospitals of the American Medical Association and qualifies a student to take the examination given by the American Registry of X-ray Technicians.

The student receives practical and theoretical experience in diagnostic and therapeutic X-ray technique which qualifies the graduate for positions in hospitals, clinics, physicians' offices, and industrial medical departments. There are excellent opportunities for both men and women in this field.

ADMINISTRATION

Mr. O. K. Fike...........................................Director, Miami Valley Hospital
George A. Nicoll, M.D....................................Director, Department of Radiology
Rev. George J. Renneker................................President, University of Dayton
Francis J. Molz, Ph.D....................................Head, Division of Science, U. of Dayton

FACILITIES FOR INSTRUCTION

The Radiology Department makes X-ray examinations, when requested, of hospital patients and of others. Approximately 8000 examinations and 1500 X-ray treatments are made annually. Completely adequate, modern, shock proof, X-ray equipment is available.

METHODS OF INSTRUCTION

Instruction consists of a series of lectures in the theoretical principles of X-ray technique and in their practical applications. Assignments are given in appropriate textbooks and periodicals. Extensive supervised, practical applications of the principles are made. Regular monthly examinations are given, and a final examination upon completion of the course.

ENTRANCE REQUIREMENTS

Applications may be made in person or by letter. A personal interview is advisable. Applicants should present the following qualifications for admission to the courses given at the Hospital:

A. FOR CERTIFICATE—

Two years of college work are required, followed by one year at Miami Valley Hospital. The college work, preferably, includes the following courses:

<table>
<thead>
<tr>
<th>Subjects</th>
<th>College Algebra</th>
<th>Plane Trigonometry</th>
<th>General Inorganic</th>
<th>General</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Cr. Hours</strong></td>
<td><strong>3</strong></td>
<td><strong>3</strong></td>
<td><strong>6</strong></td>
<td><strong>10</strong></td>
</tr>
</tbody>
</table>
### B. FOR BACHELOR OF SCIENCE DEGREE IN MEDICAL RADIOLOGICAL TECHNIQUE—

Three years of college work are required, followed by one year at Miami Valley Hospital. The program includes the course of study included under the Certificate Course, excepting the college algebra and trigonometry, which are to be replaced by Unified Mathematics. In addition, the following courses are recommended:

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics:</td>
<td></td>
</tr>
<tr>
<td>Electricity and Magnetism</td>
<td>5</td>
</tr>
<tr>
<td>Electronics</td>
<td>4</td>
</tr>
<tr>
<td>Biology:</td>
<td></td>
</tr>
<tr>
<td>General Bacteriology</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics:</td>
<td></td>
</tr>
<tr>
<td>Unified Mathematics</td>
<td>10</td>
</tr>
<tr>
<td>Differential and Integral Calculus</td>
<td>8</td>
</tr>
<tr>
<td>English:</td>
<td></td>
</tr>
<tr>
<td>Latin and Greek Derivatives</td>
<td>3</td>
</tr>
<tr>
<td>Elective:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Preference will be given to those students who are interested in the degree program. Classes begin in January and July. The year of practical training at the Hospital covers a period of twelve, consecutive months. Vacations and leaves of absence are not scheduled but may be arranged. The hours of duty are from 8 A.M. to 5 P.M., five and one half days per week. There is no Sunday duty. One meal is provided by the Hospital daily. Complete maintenance is available in a hospital residence at a cost of $50.00 per month.

### CURRICULUM

At Miami Valley Hospital Training School in Radiological Technique

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Weeks</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiological Physics</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>The X-ray Machine</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Processing of X-ray Films</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Routine Standard Positioning</td>
<td>12</td>
<td>8</td>
</tr>
<tr>
<td>Special Examinations (Opaque Mat.)</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>Fluoroscopic Procedure</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Radiation Therapy</td>
<td>12</td>
<td>8</td>
</tr>
</tbody>
</table>
UNIVERSITY OF DAYTON

CURRICULUM LEADING TO BACHELOR OF SCIENCE IN HOME ECONOMICS

Included in the Division of Science is the Department of Home Economics, offering a four-year or eight-semester program leading to the degree of Bachelor of Science in Home Economics. The Department provides four special curricula:

a) Dietetics and Institutional Management.
b) Clothing and Textiles.
c) Home Economics Education.
d) General Home Economics.

Students following these curricula may be employed in homemaking, teaching, interior decorating, the designing of clothes and costumes, the management of cafeterias, dormitories, and tea rooms, demonstrating for commercial manufacturing concerns, dietetics in hospitals and other institutions, graduate work, and research projects.

The Department of Home Economics has been accredited by the Ohio State Department of Education to train teachers in Home Economics for Secondary Schools. Graduates qualify for the Provisional Special Teaching Certificate in Home Economics.

The Department also offers a Teaching Field in Home Economics for students in the Division of Education.

The Curriculum for Dietetics and Institutional Management meets the requirements of the American Dietetics Association.

The proposed Curricula follow:

MAJOR: DIETETICS AND INSTITUTIONAL MANAGEMENT

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Cr. Hours</th>
<th>SUBJECTS</th>
<th>REL.</th>
<th>103</th>
<th>Life of Christ I or Phil.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRST SEMESTER</td>
<td>Cr. Hours</td>
<td>SUBJECTS</td>
<td>Chem.</td>
<td>103</td>
<td>Character Format'n</td>
</tr>
<tr>
<td>FIRST SEMESTER</td>
<td>Cr. Hours</td>
<td>SUBJECTS</td>
<td>Eng.</td>
<td>101</td>
<td>Eng. Composition</td>
</tr>
<tr>
<td>FIRST SEMESTER</td>
<td>Cr. Hours</td>
<td>SUBJECTS</td>
<td>Soc.</td>
<td>201</td>
<td>Gen. Sociology</td>
</tr>
<tr>
<td>FIRST SEMESTER</td>
<td>Cr. Hours</td>
<td>SUBJECTS</td>
<td>Hec.</td>
<td>100</td>
<td>Intro. to Home Econ.</td>
</tr>
<tr>
<td>FIRST SEMESTER</td>
<td>Cr. Hours</td>
<td>SUBJECTS</td>
<td>Hec.</td>
<td>101</td>
<td>Clothing Constr.</td>
</tr>
<tr>
<td>FIRST SEMESTER</td>
<td>Cr. Hours</td>
<td>SUBJECTS</td>
<td>Phe.</td>
<td>101</td>
<td>Physical Educ.</td>
</tr>
</tbody>
</table>

| SECOND SEMESTER | Cr. Hours | SUBJECTS | Rel. | 104 | Life of Christ II or Phil. |
| SECOND SEMESTER | Cr. Hours | SUBJECTS | Chem. | 104 | Inorg. Chemistry |
| SECOND SEMESTER | Cr. Hours | SUBJECTS | Eng. | 221 | English Literature |
| SECOND SEMESTER | Cr. Hours | SUBJECTS | Hec. | 214 | Textiles |
| SECOND SEMESTER | Cr. Hours | SUBJECTS | Hec. | 102 | Foods I |
| SECOND SEMESTER | Cr. Hours | SUBJECTS | Phe. | 102 | Physical Educ. |

SOPHOMORE YEAR

| FIRST SEMESTER | Cr. Hours | SUBJECTS | Rel. | 203 | Christian Marriage or Phil. |
| FIRST SEMESTER | Cr. Hours | SUBJECTS | Chem. | 201 | Organic Chemistry |
| FIRST SEMESTER | Cr. Hours | SUBJECTS | Bio. | 103 | General Zoology |
| FIRST SEMESTER | Cr. Hours | SUBJECTS | Hec. | 201 | Foods II |
| FIRST SEMESTER | Cr. Hours | SUBJECTS | Hec. | 321 | Home Met. I |
| FIRST SEMESTER | Cr. Hours | SUBJECTS | Phe. | 201 | Physical Educ. |

| SECOND SEMESTER | Cr. Hours | SUBJECTS | Rel. | 204 | Current Problems in Religion or Phil. of Living |
| SECOND SEMESTER | Cr. Hours | SUBJECTS | Chem. | 202 | Organic Chemistry |
| SECOND SEMESTER | Cr. Hours | SUBJECTS | Psych. | 201 | Gen. Psychology |
| SECOND SEMESTER | Cr. Hours | SUBJECTS | Hec. | 303 | Human Physiology |
| SECOND SEMESTER | Cr. Hours | SUBJECTS | Phe. | 202 | Physical Educ. |
### COLLEGE OF ARTS AND SCIENCES

#### JUNIOR YEAR

**FIRST SEMESTER**

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem. 401</td>
<td>Biochemistry</td>
</tr>
<tr>
<td>Hec. 501</td>
<td>Home Hygiene</td>
</tr>
<tr>
<td>Hec. 505</td>
<td>Institutional Acct.</td>
</tr>
<tr>
<td>Hec. 307</td>
<td>(Phys. 101) House-</td>
</tr>
<tr>
<td>Bio. 401</td>
<td>Bacteriology</td>
</tr>
</tbody>
</table>

**SECOND SEMESTER**

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hec. 309</td>
<td>Household Equip.</td>
</tr>
<tr>
<td>Hec. 304</td>
<td>Quantity Cookery</td>
</tr>
<tr>
<td>Hec. 308</td>
<td>Institutional Buying</td>
</tr>
<tr>
<td>Hec. 302</td>
<td>Menu Planning, Table Service and Decoration</td>
</tr>
<tr>
<td>Hec. 318</td>
<td>Family Relationships</td>
</tr>
</tbody>
</table>

**ELECTIVES**

Note: Students will be eligible for a Provisional Special Teaching Certificate, besides satisfying the requirements of the American Dietetic Association, if they take the courses listed below in place of some of the electives.

#### SENIOR YEAR

**FIRST SEMESTER**

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eco. 201</td>
<td>Prin. of Economics</td>
</tr>
<tr>
<td>Hec. 401</td>
<td>Advanced Nutrition</td>
</tr>
<tr>
<td>Hec. 403</td>
<td>Experimental Cookery</td>
</tr>
<tr>
<td>Hec. 405</td>
<td>Methods of Teach-</td>
</tr>
<tr>
<td>Hec. 407</td>
<td>Institutional Or-</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
</tr>
</tbody>
</table>

**SECOND SEMESTER**

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educ. 401</td>
<td>Educ. Psychology</td>
</tr>
<tr>
<td>Hec. 402</td>
<td>Nutrition in Disease</td>
</tr>
<tr>
<td>Hec. 425</td>
<td>Child Development</td>
</tr>
<tr>
<td>Hec. 406</td>
<td>Home Mgt. II</td>
</tr>
</tbody>
</table>

**ELECTIVES**

Note: Students will be eligible for a Provisional Special Teaching Certificate, besides satisfying the requirements of the American Dietetic Association, if they take the courses listed below in place of some of the electives.

#### JUNIOR YEAR

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educ. 301</td>
<td>School Mgt.</td>
</tr>
<tr>
<td>Educ. 305</td>
<td>Gen. Hist. of Educ.</td>
</tr>
<tr>
<td>Educ. 302</td>
<td>Principles of Educ.</td>
</tr>
</tbody>
</table>

#### SENIOR YEAR

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educ. 414</td>
<td>Practice Teaching</td>
</tr>
<tr>
<td>Educ. 412</td>
<td>Measurement of Education</td>
</tr>
</tbody>
</table>

#### MAJOR: CLOTHING AND TEXTILES

#### FRESHMAN YEAR

**FIRST SEMESTER**

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rel. 103</td>
<td>Life of Christ I or</td>
</tr>
<tr>
<td>Phil. 103</td>
<td>Character Format'n</td>
</tr>
<tr>
<td>Phe. 101</td>
<td>Physical Educ.</td>
</tr>
<tr>
<td>Chem. 103</td>
<td>Inorg. Chemistry</td>
</tr>
<tr>
<td>Hec. 101</td>
<td>Clothing Constr.</td>
</tr>
<tr>
<td>Eng. 101</td>
<td>Eng. Composition</td>
</tr>
<tr>
<td>Art 101</td>
<td>Drawing</td>
</tr>
<tr>
<td>Hec. 100</td>
<td>Intro. to Home Econ.</td>
</tr>
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**SECOND SEMESTER**

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<tr>
<th>Subjects</th>
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<tr>
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<td>Soc. 202</td>
<td>Social Problems</td>
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### SOPHOMORE YEAR

#### FIRST SEMESTER

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### JUNIOR YEAR

#### FIRST SEMESTER

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#### SECOND SEMESTER

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### SENIOR YEAR

#### FIRST SEMESTER

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**Note:** Students will be eligible for a Provisional Special Teaching Certificate, if they take the courses listed below in place of some of the electives.

### MAJOR: HOME ECONOMICS EDUCATION

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Subjects</th>
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<td>Chem.</td>
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<td>Eng.</td>
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<td>Or.</td>
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**MAJOR: HOME ECONOMICS EDUCATION**

#### FRESHMAN YEAR

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<td>Chem.</td>
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<td>Eng.</td>
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<td>Or.</td>
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<td>Art</td>
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**SOPHOMORE YEAR**

**FIRST SEMESTER**

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<td>Phil. 204</td>
<td>Current Problems in Religion or Rel. 203</td>
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<td>Phil. 321</td>
<td>Phil. of Living ..... 2</td>
<td>Phil. 321</td>
<td>Phil. of Living ..... 2</td>
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<td>Hec. 103</td>
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<td>Intr. Psychology ..... 3</td>
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<td>Foods II ............ 3</td>
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<td>Human Physiology 3</td>
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<td>Eco. 201</td>
<td>Prin. of Economics 3</td>
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<td>Bacteriology .......... 3</td>
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<td>Home Mgt. I ........ 3</td>
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<td>General Botany ..... 4</td>
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**SECOND SEMESTER**

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<td>Phil. 321</td>
<td>Phil. of Living ..... 2</td>
<td>Psych. 201</td>
<td>Intr. Psychology ..... 3</td>
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<td>Nutrition &amp; Health 3</td>
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<td>Bio. 307</td>
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<td>Bio. 423</td>
<td>Child Development I 3</td>
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<td>Educ. 412</td>
<td>Measurement of Education 2</td>
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**JUNIOR YEAR**

**FIRST SEMESTER**

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<td>Hec. 301</td>
<td>Home Hygiene ..... 3</td>
<td>Hec. 302</td>
<td>Menu Planning, Table Service and Decoration ........ 3</td>
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<td>Hec. 311</td>
<td>Clothing Selection 3</td>
<td>Hec. 315</td>
<td>Family Relationships 3</td>
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<td>Educ. 301</td>
<td>School Mgt. .......... 2</td>
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<td>Principles of Educ. 2</td>
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<td>Educ. 305</td>
<td>Gen. Hist. of Educ. 2</td>
<td>Electives</td>
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<td>Hec. 307</td>
<td>307 (Phys. 101) House- hold Physics 3</td>
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<td>Bio. 401</td>
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**SECOND SEMESTER**

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<td>Hec. 411</td>
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<td>Educ. Psychology ..... 3</td>
<td>Educ. 414</td>
<td>Practice Teaching 5</td>
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<td>Hec. 423</td>
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<tr>
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<td>Home Planning &amp; Furnishing ........ 3</td>
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**SENIOR YEAR**

**FIRST SEMESTER**

<table>
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<th>Subjects</th>
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<td>Child Development I 3</td>
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<td>Home Planning &amp; Furnishing ........ 3</td>
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**SECOND SEMESTER**

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<td>Methods of Teaching Home Econ. 3</td>
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<td>Methods of Teaching Home Econ. 3</td>
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<td>Hec. 423</td>
<td>Home Planning &amp; Furnishing ........ 3</td>
</tr>
</tbody>
</table>

**MAJOR: GENERAL HOME ECONOMICS**

The general major is planned to give a broad cultural course and training for homemaking. Opportunity exists for many electives.

The curriculum is essentially that listed for Home Economics Education. However, the courses in Education may be replaced by electives.
DIVISION OF BUSINESS ADMINISTRATION

The Division of Business Administration endeavors to train students for activity in business, community leadership, and service. Because intelligent business and community leadership requires a well-rounded character and mind development, this Division feels that its students must not only be well versed in commerce and its related fields but also in those of philosophy, mathematics, and the social sciences. It is also believed that broad training in the various fields within the Division will equip the student with a diversified background of general knowledge and will serve him more adequately in his life work than if too narrow specialization is followed.

Economic principles are stressed in courses within the Division which includes economics, banking, finance, marketing, management, business law, statistics, accounting and secretarial science.

DEGREE REQUIREMENTS

The Division of Business Administration confers the degree of Bachelor of Science in Business Administration upon the satisfactory completion of the prescribed requirements. These requirements consist of one hundred and twenty-eight semester hours and an equal number of quality points which generally cover a program of eight semesters.

Each candidate for the degree must satisfy the prescribed requirements of the Freshman-Sophomore Business Administration program, which has been planned to give the student a broad and liberal training in preparation for business and economics; for majors in accounting, business organization, and economics, which are junior and senior requirements. There is a more specialized curriculum for students in secretarial science. Provisions exist for some flexibility from the prescribed curriculum for those freshman and sophomore students requiring this need.

LOWER DIVISION

FRESHMAN YEAR

1. Life of Christ I and II (for Catholic students).
2. Character Formation (for non-Catholic students).
3. First year Basic Military.
4. Physical and Health Education.
5. English Composition, Public Speaking.
6. Introduction to Business.
7. Elementary Accounting.
8. College Algebra.
10. Orientation.

SOPHOMORE YEAR

2. Philosophy of Living (for non-Catholic students).
4. American Literature.
5. Principles of Economics.

Students majoring in business organization and economics, and who do not wish to elect second year accounting, should consult their adviser for substitution.

UPPER DIVISION

Concentration in the fields of specialization occurs in the junior and senior years. A particular curriculum is generally recommended. The student should adhere to the prescribed sequence of courses. A specific requirement of the University is six credits in philosophy and one course in psychology. It is possible to major in any of the three departments of accounting, business organization, or economics. A student may choose to major in two, or major in one and have a minor in the other two. A minimum of forty-five hours must be completed in junior and senior courses in the Division of Business Administration.

REQUIRED COURSES

The following courses must be completed by all students who are candidates for a degree in Business Administration. The completion of these courses automatically assures the student a minor in either business organization or economics.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
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<tr>
<td>Bus. 303</td>
<td>Business Law</td>
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<td>Bus. 305</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
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<td>Bus. 316</td>
<td>Industrial Management</td>
<td>2 or 3</td>
</tr>
<tr>
<td>Bus. 405</td>
<td>Money, Credit and Banking</td>
<td>3</td>
</tr>
<tr>
<td>Bus. 404</td>
<td>Business Cycles or/and</td>
<td>3</td>
</tr>
<tr>
<td>Eco. 408</td>
<td>Contemporary Economics</td>
<td>3</td>
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<td>Bus. 313</td>
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<td>Bus. 317</td>
<td>Labor Management</td>
<td>2 or 3</td>
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<tr>
<td>Bus. 425</td>
<td>Seminar</td>
<td>2</td>
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ACCOUNTING

The courses in Accounting have been designed to provide such training in accounting as is essential to the general business executive, and to give instruction necessary to those who expect to specialize in public accounting or to serve as private accountants in financial or business establishments.

The following courses are prescribed for a minor in accounting:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Acct. 301-302</td>
<td>Advanced Accounting</td>
<td>6</td>
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<tr>
<td>Acct. 303-304</td>
<td>Cost Accounting</td>
<td>6</td>
</tr>
<tr>
<td>Acct. 401</td>
<td>Auditing</td>
<td>3</td>
</tr>
</tbody>
</table>

These constitute the core courses. For a major in accounting, a further sequence of three or four courses is required. A student who majors in accounting and who chooses to have a minor in both business organization and economics, must earn credits for at least two courses in either business organization or economics in addition to those listed above as required courses.
BUSINESS ORGANIZATION AND ECONOMICS

The work in business organization endeavors to provide training for students planning to engage in commercial, industrial and financial activities. The program is developed to emphasize basic business principles in the broad fields of finance, management, and marketing. Economic and social implications of business developments are stressed. For students desiring some degree of specialization, special courses are provided in the fields of banking, corporation, finance, investments, management, retailing, salesmanship, statistics, applied economics, and business law. Provisions are made for a well-rounded business training to aid students to adjust themselves intelligently and successfully to the commercial and industrial world.

The work in economics has been designed for (1) general culture by providing to the student an understanding of the economic order; its development and operation; (2) technical training for preparation for advanced specialized study, for business and professional services with government or enterprises requiring trained economists for the analyses of economic problems. Provisions have been made to make available to the student a balanced program of study in this field. Candidates for the Bachelor of Arts degree, who seek a major in economics, will follow the prescriptions of the Division of Arts. Students in the Division of Business Administration will follow the curriculum provided.

The student who chooses to major in business organization and economics is required to follow a program which includes in addition to the required core courses (a) a sequence of three or four courses as a minimum in a specialized field, namely, marketing, management, finance, and banking, and economics, planned with the adviser; or (b) one or two advanced courses in each of the following: marketing, management, finance and banking, business law, and economics.

SECRETARIAL STUDIES

Business today is a profession. It requires professional training. The complexity of modern business requires training equal in intensity to that of law, teaching, or engineering.

University-trained private secretaries are urgently needed in hospitals, clinics and other medical service organizations. They are needed in research organizations, personnel and foreign trade offices, in social service and government agencies, in commercial and industrial offices.

In order to qualify for the higher-bracket secretarial positions, expert skills should be achieved in stenography and office procedure. A knowledge of accounting, finance, and business machines is important. But as important as these studies are, the future worker needs the reinforcement of broad educational training in economics, history and other social studies. He needs to enrich his personality with higher training in English or other cultural studies.

At the University of Dayton students may follow a four-year secretarial program enabling them to meet the requirements to qualify as teachers of commercial subjects or to enter some superior type position. It aims to train its students to assume responsibility in the educational and secretarial fields. Successful completion of the course earns the degree of Bachelor of Science in Secretarial Studies.

The proposed Curricula follow:
# CURRICULUM LEADING TO BACHELOR OF SCIENCE IN SECRETARIAL STUDIES

## FRESHMAN YEAR
### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Subjects</th>
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<td>Acct.</td>
<td>3</td>
</tr>
<tr>
<td>Eng.</td>
<td>3</td>
</tr>
<tr>
<td>Sec.</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>1-3</td>
</tr>
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</table>

## SOPHOMORE YEAR
### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
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<tbody>
<tr>
<td>Rel.</td>
<td>2</td>
</tr>
<tr>
<td>Mil.</td>
<td>1</td>
</tr>
<tr>
<td>Phe.</td>
<td>1(\frac{1}{2})</td>
</tr>
<tr>
<td>Eng.</td>
<td>3</td>
</tr>
<tr>
<td>Psych.</td>
<td>3</td>
</tr>
<tr>
<td>Eco.</td>
<td>3</td>
</tr>
<tr>
<td>Sec.</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>1-3</td>
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### SECOND SEMESTER

<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
<td>Mil.</td>
<td>1</td>
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<tr>
<td>Phe.</td>
<td>1(\frac{1}{2})</td>
</tr>
<tr>
<td>Eng.</td>
<td>3</td>
</tr>
<tr>
<td>Psych.</td>
<td>3</td>
</tr>
<tr>
<td>Eco.</td>
<td>3</td>
</tr>
<tr>
<td>Sec.</td>
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<tr>
<td>Electives</td>
<td>1-3</td>
</tr>
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</table>

## JUNIOR YEAR
### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Subjects</th>
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<tbody>
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<td>Bus.</td>
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<tr>
<td>Sec.</td>
<td>3</td>
</tr>
<tr>
<td>Phil.</td>
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</tr>
<tr>
<td>Electives</td>
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### SECOND SEMESTER

<table>
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<tbody>
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</tr>
<tr>
<td>Sec.</td>
<td>3</td>
</tr>
<tr>
<td>Phil.</td>
<td>3</td>
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<tr>
<td>Electives</td>
<td>7-9</td>
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## SENIOR YEAR
### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
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<tbody>
<tr>
<td>Eco.</td>
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</tr>
<tr>
<td>Bus.</td>
<td>3</td>
</tr>
<tr>
<td>Sec.</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>7-9</td>
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</table>

### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
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<tbody>
<tr>
<td>Eco.</td>
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</tr>
<tr>
<td>Bus.</td>
<td>3</td>
</tr>
<tr>
<td>Sec.</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>7-9</td>
</tr>
</tbody>
</table>

With a major in Secretarial Studies electives are preferably drawn from related fields or minors, such as Accounting, Economics, Business Organization, etc. Other minors, such as Home Economics, etc., are acceptable.
DIVISION OF EDUCATION

The Division of Education recognizes the fact that good schools are the result both of good methods and good teachers, teachers who are thoroughly prepared and well grounded in the subject matter to be taught and who possess the intellectual and moral qualifications worthy of their profession. It also subscribes to the thesis that while good teachers must be born with the innate qualities essential to success in the classroom, even the most highly gifted and endowed, can be immeasurably improved by suitable professional training. Hence only students who have given evidence of possessing the proper intellectual and moral qualifications are admitted to work in this Department.

The courses in education aim at (1) general culture—enabling the student to enrich and enhance his own life by giving him a better understanding of himself, his thoughts, feelings, attitudes, ideals, standards of value, and his conduct; (2) professional preparation—providing the training that will enable the student to understand and make practical application of the principles of psychology and the methods and techniques of good teaching so that he may be able to conduct classes intelligently and efficiently.

ADMISSION REQUIREMENTS

Graduation from an accredited school with a total of at least 15 high school units, including: English, 3; social science, 2; mathematics, 2; science, 2; foreign language, 2; electives, 3 or 4.

DEGREE REQUIREMENTS

All curricula leading to the degree of Bachelor of Science in Education are four-year, or eight semesters, and must include 128 credits, or more, including the requirements of the State Department of Education. Ordinarily, also, one-half of the work, or 64 credits, must be in the upper division or in courses numbered 300 and 400. Provision is made to meet the requirements of the State Department of Education so that graduates are also eligible for State Teachers' certificates.
STATE REQUIREMENTS FOR
TEACHERS' CERTIFICATES

ELEMENTARY CERTIFICATES

Effective September 1, 1942, and thereafter until a more adequate supply of elementary teachers is available, elementary teachers will be certificated under the following provisions:

(a) A temporary elementary certificate will be issued, upon the request of a city, county, or exempted village superintendent, upon evidence of a scarcity of suitable teachers otherwise certified, to those who have completed two years of training in an elementary curriculum of an approved institution, providing courses satisfactorily completed include methods, children's literature, management, educational psychology, principles of teaching, and student teaching.

(b) A temporary elementary certificate will be issued, upon the request of a city, county or exempted village superintendent and upon evidence of a scarcity of suitable teachers otherwise certified, to the holder of a provisional or higher grade high school or special certificate, obtained upon a degree from an approved teacher-training institution, who has satisfactorily completed twelve semester hours of credit in elementary education distributed as follows:

Methods:  
Reading .................................................. 2
Any other elementary subject .................................. 2
Student Teaching in Grades 1 to 3 ............................ 2
Electives (Art, Music, Health Education) ..................... 6

(c) Applicants for the provisional elementary certificate shall have completed the requirements for graduation from three-year curriculum including an essential block of 93 semester hours. This block must include the required methods, children's literature, management, educational psychology, principles, student teaching, and substantial portions of the requirements in music and practical arts listed below. Those students who complete the entire program of courses are eligible to receive the degree of Bachelor of Science in Elementary Education in addition to the provisional certificate.

Required courses in the Three or Four Year Elementary Curriculum.

1. Professional Courses  
   a. Introduction to Education .................................. 2
   b. Educational Psychology I .................................. 2
   c. Educational Psychology II ................................ 2
   d. Principles of Education ................................. 2
   e. School Management .................................... 2
   f. Methods  
      1. Reading ........................................... 3
      2. Skills ............................................ 3
      3. Content .......................................... 3
   g. Student Teaching ..................................... 5

2. Art ..................................................... 6
   (Including Graphic Expression, Design, Materials and Methods)
3. **English** .................................................................................................................. 15
   (Including children’s literature 3 sem. hrs., base course, speech, and
   guaranteed grammatical competence)

4. **Health and Physical Education**
   a. Hygiene .................................................................................................................. 3
   b. Health activities ..................................................................................................... 3

5. **Music**
   a. Literature and appreciation ..................................................................................... 2
   b. Introduction to music ............................................................................................. 2
   c. Music Education .................................................................................................... 2

6. **Practical Arts** ........................................................................................................ 3

7. **Science** .................................................................................................................. 3
   a. General Science or Biology .................................................................................... 8

8. **Social Studies** ....................................................................................................... 24
   (Composed of integrated base course, plus pertinent electives or dis-
   tributed credits in history, political science, sociology, economics,
   principles of geography, problems of rural and urban life)

**KINDERGARTEN - PRIMARY CERTIFICATES**

The provisional kindergarten-primary certificate will be issued to those who
complete the general pattern of the elementary curriculum; except that ten
semester hours of credit in theory, materials and methods, and student teaching
on the kindergarten-primary level shall be included within, or in excess of, the
requirements for the elementary certificate.

**HIGH SCHOOL CERTIFICATES**

An applicant for the provisional high school certificate shall submit evidence
of graduation from a four-year college course of an approved teacher-training
institution. Included within, or in excess of, the requirements for the degree he
shall submit evidence of the following:

   a. **Professional Courses**

   1. Educational Psychology ..................................................................................... 2—3
      (Prerequisite—General Psychology)
   2. Principles of Teaching (or Education) ................................................................. 2—3
   3. School Administration, Organization, or Management ...................................... 2—3
   4. Methods of Teaching ............................................................................................ 2—3
   5. Student Teaching (In Grades 7—12) .................................................................. 3—5
   6. Electives to make a minimum of 17 semester hours of professional credit
      from the following or other pertinent courses:
      a. History of Education.
      b. Tests and Measurements.
      c. Educational Sociology.
      d. Secondary Education.
      e. Introduction to Teaching.
      f. Philosophy of Education.

   b. **Academic preparation in at least three teaching subjects of not less than 15
      semester hours each.**
SPECIAL CERTIFICATES

An applicant for the provisional special certificates in any of the following subjects shall submit evidence of graduation from a four-year college course of a teacher-training institution, approved in the field of training for which certification is desired. Included within, or in excess of, the requirements for the degree, he shall submit evidence of having completed the Professional Courses and Academic preparation for the Provisional High School Certificate.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Art</td>
<td>60</td>
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<tr>
<td>b. Business Education</td>
<td>45</td>
</tr>
<tr>
<td>c. Home Economics</td>
<td>45</td>
</tr>
<tr>
<td>d. Music</td>
<td>53</td>
</tr>
<tr>
<td>e. Physical Education (minor)</td>
<td>16</td>
</tr>
</tbody>
</table>

CURRICULUM
LEADING TO BACHELOR OF SCIENCE
IN EDUCATION

HIGH SCHOOL TEACHING

REQUIREMENTS FOR THE FIRST TWO YEARS

They may be the same as indicated in the Bachelor of Arts curriculum. If, however, the student wishes to prepare to teach mathematics, biological, physical, commercial or secretarial sciences, it will be advisable to follow the schedules for the first two years as outlined, in preceding pages, in the curricula leading to the degrees of Bachelor of Science, Bachelor of Science in Business Administration, or Bachelor of Science in Secretarial Studies.

REQUIREMENTS FOR THE THIRD AND FOURTH YEARS

The junior and senior years are devoted to studies that will meet or complete the academic preparation in at least three teaching fields of not less than 15 semester hours in conformance to prescribed course requirements, as follows, as also the professional preparation. The work of these two years should be largely in the upper division, that is, courses numbered 300 and 400, and should consist of pertinent electives and include at least 6 credits in Philosophy.

ELEMENTARY TEACHING

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Cr. Hrs.</th>
<th>SECOND SEMESTER</th>
<th>Cr. Hrs.</th>
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</thead>
<tbody>
<tr>
<td>Subjects</td>
<td></td>
<td>Subjects</td>
<td></td>
</tr>
<tr>
<td>Rel.</td>
<td>103</td>
<td>Life of Christ I</td>
<td>2</td>
</tr>
<tr>
<td>Phil.</td>
<td>103</td>
<td>Char. Formation</td>
<td>2</td>
</tr>
<tr>
<td>Art</td>
<td>101</td>
<td>Drawing</td>
<td>2</td>
</tr>
<tr>
<td>Eng.</td>
<td>100</td>
<td>Eng. Expression</td>
<td>3</td>
</tr>
<tr>
<td>Phe.</td>
<td>103</td>
<td>Health</td>
<td>1</td>
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<tr>
<td>Sci.</td>
<td>101</td>
<td>Intro. to Science</td>
<td>4</td>
</tr>
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<td>Electives</td>
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<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Rel.</td>
<td>104</td>
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<tr>
<td></td>
<td></td>
<td>Phil.</td>
<td>104</td>
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<td></td>
<td></td>
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<td></td>
<td></td>
<td>Mus.</td>
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<td></td>
<td>Sci.</td>
<td>103</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Phe.</td>
<td>104</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Electives</td>
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UNIVERSITY OF DAYTON

SOPHOMORE YEAR

FIRST SEMESTER

<table>
<thead>
<tr>
<th>Subjects</th>
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<tbody>
<tr>
<td>Rel. 203</td>
<td>Christian Marriage or 2</td>
</tr>
<tr>
<td>Phil. 203</td>
<td>Phil. of Living ........ 2</td>
</tr>
<tr>
<td>Mus. 201</td>
<td>Intro. to Music ........ 2</td>
</tr>
<tr>
<td>Art 201</td>
<td>Prins. of Design ....... 2</td>
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<tr>
<td>Electives</td>
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</table>

SECOND SEMESTER

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hrs.</th>
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<tbody>
<tr>
<td>Rel. 204</td>
<td>Current Problems in Religion or .......... 2</td>
</tr>
<tr>
<td>Phil. 204</td>
<td>Phil. of Living ........ 2</td>
</tr>
<tr>
<td>Art 203</td>
<td>General Crafts .......... 3</td>
</tr>
<tr>
<td>Mus. 202</td>
<td>Music in the Elem. Sch. .................. 2</td>
</tr>
<tr>
<td>Phe. 223</td>
<td>Theory of Play and Minor Sports .......... 2</td>
</tr>
<tr>
<td>Electives</td>
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JUNIOR YEAR

FIRST SEMESTER

<table>
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<th>Subjects</th>
<th>Cr. Hrs.</th>
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<tbody>
<tr>
<td>Educ. 303</td>
<td>Improv. of Instruc. in Reading ............ 3</td>
</tr>
<tr>
<td>Educ. 322</td>
<td>Lit. in Elem. Sch. .......... 3</td>
</tr>
<tr>
<td>Educ. 301</td>
<td>School Mgt. .............. 2</td>
</tr>
<tr>
<td>Phe. 441</td>
<td>Consr. and Teaching Health Program ... 2</td>
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SECOND SEMESTER

<table>
<thead>
<tr>
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<th>Cr. Hrs.</th>
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<tbody>
<tr>
<td>Educ. 302</td>
<td>Prins. of Educ. .......... 2</td>
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<tr>
<td>Educ. 321</td>
<td>Story Telling .......... 2</td>
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SENIOR YEAR

FIRST SEMESTER

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<tbody>
<tr>
<td>Eng. 273</td>
<td>Voice and Diction ... 3</td>
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<tr>
<td>Psych. 401</td>
<td>Educ. Psych. II ....... 3</td>
</tr>
<tr>
<td>Educ. 403</td>
<td>Improv. of Instruc. in Arith. .............. 3</td>
</tr>
<tr>
<td>Educ. 324</td>
<td>Sci. in Elem. Sch. .... 3</td>
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SECOND SEMESTER

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<th>Cr. Hrs.</th>
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<tbody>
<tr>
<td>Educ. 414</td>
<td>Student Teaching .......... 5</td>
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<tr>
<td>Educ. 407</td>
<td>Art in Elem. Sch. ....... 2</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
</tr>
</tbody>
</table>

ART SUPERVISION

Students who wish to receive the degree of Bachelor of Science in Education with a major in Art must have obtained 135 credits; of these, 67 must be in Art or subjects allied with Art, 20 in Education, and the balance in Liberal Arts subjects.

A teaching minor in Art may be obtained by completing 24 credits in Art, 20 in Education, and the balance in Liberal Arts subjects.

Students, pursuing either of these curricula, must arrange their schedules each semester with the advice and approval of the Dean of the Dayton Art Institute, and of the Dean of Education of the University of Dayton.

The following schedule is recommended:
FRESHMAN YEAR
1. Life of Christ I and II (for Catholic students).
2. Character Formation (for non-Catholic students).
3. First-year Basic Military.
4. Physical Education and Health.
5. English Composition and English Literature.
6. Public Speaking.
7. Social Science.
8. Introduction to Education.

SOPHOMORE YEAR
2. Philosophy of Living (for non-Catholic students).
4. General Psychology.
5. Educational Psychology.
7. Art.

JUNIOR AND SENIOR YEARS
1. Art, 30 credits.
2. Professional, including Art Appreciation, Art in the Elementary Schools, Methods of Teaching, Student Teaching, 15 credits.
3. Liberal Arts, including 6 credits in Philosophy, 22 credits.
COURSES OF INSTRUCTION
ACCOUNTING (Acct.)

Mr. Heckman
Bro. Westbrook

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Instructor</th>
<th>Credits</th>
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<tr>
<td>Acct. 101-102</td>
<td>Elementary Accounting</td>
<td>Mr. Heckman</td>
<td>8 hours</td>
</tr>
<tr>
<td></td>
<td>Three class periods and one laboratory period a week.</td>
<td></td>
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<tr>
<td>Acct. 201-202</td>
<td>Intermediate Accounting</td>
<td>Mr. Heckman</td>
<td>8 hours</td>
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<tr>
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<td>Three class periods and one laboratory period a week.</td>
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<tr>
<td>Acct. 205</td>
<td>Industrial Accounting</td>
<td>Mr. Heckman</td>
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<tr>
<td>Acct. 301-302</td>
<td>Advanced Accounting</td>
<td>Mr. Heckman</td>
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<tr>
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<td>Cost Accounting</td>
<td>Mr. Heckman</td>
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<td></td>
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<td></td>
<td></td>
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<tr>
<td>Acct. 401</td>
<td>Auditing</td>
<td>Mr. Heckman</td>
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</tr>
<tr>
<td></td>
<td>Three class periods a week.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acct. 402</td>
<td>C. P. A. Problems</td>
<td>Mr. Mumma</td>
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<td></td>
<td>Three class periods a week.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acct. 403</td>
<td>Federal Income Tax Accounting</td>
<td>Mr. Heckman</td>
<td>3 hours</td>
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<td></td>
<td>Three class periods a week.</td>
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<tr>
<td>Acct. 406</td>
<td>Pay Roll Accounting</td>
<td>Mr. Heckman</td>
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<tr>
<td></td>
<td>Three class periods a week.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ART (Art)

Mr. Weng, Head

Mr. Burroughs

The Dayton Art Institute is affiliated with the University of Dayton. Students enrolled in the University may fulfill requirements for the degrees of Bachelor of Arts with a major in Art, Bachelor of Science in Education - Art Supervision, and Bachelor of Fine Arts. The liberal arts program for both of these degrees must be completed at the University. All professional art subjects are taught at the School of the Dayton Art Institute. Students may also choose a minor in Art.

All prescribed courses in Art required for the Elementary certificate are taught at the University by instructors of the Dayton Art Institute.

Students desiring the degree of Bachelor of Fine Arts, as also those seeking advanced standing in Fine Arts, must have their work evaluated by the Dean of the School of the Dayton Art Institute.

The candidate for the degree of Bachelor of Fine Arts must have a minimum of 135 credit hours, of which 105 must be in Art or allied subjects, and the balance selected from subjects in the Division of Arts. The following distribution of courses is recommended: English, 9 credit hours; Social Science, 6 credit hours; Psychology, 3 credit hours; History of Art and Art Appreciation, 8 or 9 credit hours; electives, 3 or 4 credit hours; Art, 105 credit hours.

For the curriculum prescribed for the degree of Bachelor of Science in Education - Art Supervision, consult requirements listed under the Division of Education.

For the degree of Bachelor of Arts with a major or minor in Art, the regular requirements for the Division must be fulfilled.

Art. 101. Drawing.
Two class periods a week.

Mr. Burroughs

TWO CREDIT HOURS

Art. 105-106. An Appreciation of the Arts.
Two class periods a week.

Mr. Weng

FOUR CREDIT HOURS

Two class periods a week.

Mr. Burroughs

FOUR CREDIT HOURS

Art. 203. General Crafts.
Three class periods a week.

Mr. Burroughs

THREE CREDIT HOURS
BIOLOGY (Bio.)

Bro. Molz, Head

Bro. Beck                Miss Horrigan         Bro. L. Saletel
Bro. Dury                Bro. Lonsing         Mr. Vance

A major in Biology shall consist of 18 to 24 credit hours, exclusive of BIO. 101-102, 103-104, and 120-121N.

Three class periods and one laboratory period a week.

Bio. 103. General Zoology.
Three class periods and one laboratory period a week.

Three class periods and one laboratory period a week.

Bio. 120-121N. Anatomy and Physiology.
Four class periods, one recitation period and one and one-half laboratory periods a week.

Bio. 123N. Microbiology.
Two class periods and one laboratory period a week.

Two class periods and one laboratory period a week. Prerequisite: Bio. 102 or 103.

Two class periods a week.

Two class periods and one laboratory period a week. Prerequisite: Bio. 201-202.

Bio. 303. Human Physiology.
Three class periods a week. Prerequisite: Bio. 102 or 103; or Bio. 203-204.

One laboratory period a week. Prerequisite: Bio. 203-204.

Two class periods and one laboratory period a week. Prerequisite: Bio. 101-102 or 103-104.

Bio. 312. Medical Genetics.
Two class periods a week. Prerequisite: Bio. 311.

Three hours a week including field trips. Prerequisite: Bio. 101 or 104.

Bio. 401-402. General Bacteriology.
Two class periods and one laboratory period a week. Prerequisite: Bio. 101,
<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor/Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bio. 403-404</td>
<td>Embryology</td>
<td>SIX</td>
<td>Bro. Molz</td>
</tr>
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<td></td>
<td>Two class periods and one laboratory</td>
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<td></td>
<td>period a week. Prerequisite: Bio. 102</td>
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<td>or 104, or consent of instructor.</td>
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<tr>
<td>Bio. 405-406</td>
<td>Biophysics</td>
<td>FOUR</td>
<td>Bro. Beck, Bro. L. Satoel</td>
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<tr>
<td></td>
<td>Two class periods a week. Prerequisites: Bio. 201-202 or 203-204, Chem. 103-104, Chem. 201-202, Phys. 201-202.</td>
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<tr>
<td>Bio. 411</td>
<td>Parasitology</td>
<td>THREE</td>
<td>Mr. Vance</td>
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<tr>
<td></td>
<td>Two class periods and one laboratory</td>
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<td></td>
<td>period. Prerequisite: Bio. 102 or 103.</td>
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<tr>
<td>Bio. 413</td>
<td>Plant Ecology</td>
<td>TWO</td>
<td>Mr. Vance</td>
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<td></td>
<td>Two class periods a week. Prerequisite: Bio. 101 or 104.</td>
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<tr>
<td>Bio. 414</td>
<td>Animal Ecology</td>
<td>TWO</td>
<td>Mr. Vance</td>
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<td>Two class periods a week. Prerequisite: Bio. 102 or 103.</td>
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<tr>
<td><strong>BUSINESS ORGANIZATION (Bus.)</strong></td>
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<tr>
<td>Mr. E. O'Leary, Head</td>
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<tr>
<td>Mr. Hodges</td>
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<tr>
<td>Mr. Snyder</td>
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<tr>
<td>Bro. Westbrook</td>
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<tr>
<td>1. Twenty to twenty-four hours of upper division courses are required of students majoring in business organization.</td>
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<td>2. Accounting 101-102 and Economics 201 are prerequisite to all advanced courses except by permission of the instructor.</td>
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<td>3. Students preparing for teaching positions in secondary school should consult their adviser in selection of required courses.</td>
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<tr>
<td>Bus. 101</td>
<td>Introduction to Business</td>
<td>THREE</td>
<td>Bro. Westbrook</td>
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<td></td>
<td>Three class periods a week.</td>
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<tr>
<td>Bus. 201</td>
<td>Mathematics of Finance</td>
<td>THREE</td>
<td>Bro. Westbrook</td>
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<td></td>
<td>Three class periods a week.</td>
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<tr>
<td>Bus. 301</td>
<td>Corporation Finance</td>
<td>THREE</td>
<td>Mr. O'Leary</td>
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<td></td>
<td>Three class periods a week.</td>
<td></td>
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<tr>
<td>Bus. 303-304</td>
<td>Business Law</td>
<td>SIX</td>
<td>Mr. Snyder</td>
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<td></td>
<td>Three class periods a week.</td>
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<tr>
<td>Bus. 305</td>
<td>Principles of Marketing</td>
<td>THREE</td>
<td>Mr. O'Leary</td>
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<td></td>
<td>Three class periods a week.</td>
<td></td>
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<tr>
<td>Bus. 306</td>
<td>Advanced Marketing</td>
<td>THREE</td>
<td>Mr. O'Leary</td>
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<td></td>
<td>Two class periods a week.</td>
<td></td>
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<tr>
<td>Bus. 307</td>
<td>Advertising</td>
<td>THREE</td>
<td>Mr. O'Leary</td>
</tr>
<tr>
<td></td>
<td>Three class periods a week.</td>
<td></td>
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<tr>
<td>Bus. 309</td>
<td>Retail Merchandising</td>
<td>TWO</td>
<td>Mr. O'Leary</td>
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<td></td>
<td>Two class periods a week.</td>
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</tbody>
</table>
Bus. 310. **SALESMASTERSHIP AND SALES MANAGEMENT.**
Two class periods a week.

Bus. 313. **BUSINESS STATISTICS.**
Three class periods a week.

Bus. 316. **INDUSTRIAL MANAGEMENT.**
Three class periods a week.

Bus. 317. **LABOR MANAGEMENT.**
Three class periods a week.

Bus. 320-321. **TIME AND MOTION STUDY.**
Three class periods a week.

Bus. 401. **INVESTMENTS.**
Three class periods a week.

Bus. 402. **PUBLIC FINANCE AND TAXATION.**
Three class periods a week.

Bus. 404. **BUSINESS CYCLES.**
Three class periods a week.

Bus. 405-406. **MONEY, CREDIT, BANKING.**
Three class periods a week.

Bus. 410. **PERSONNEL MANAGEMENT.**
Three class periods a week.

Bus. 414. **OFFICE MANAGEMENT.**
Three class periods a week.

Bus. 415. **WORK SIMPLIFICATION IN THE OFFICE.**
Three class periods a week.

Bus. 420. **INDUSTRIAL PSYCHOLOGY.**
Three class periods a week.

Bus. 425. **BUSINESS ORGANIZATION SEMINAR.**
Two class periods a week.

**CHEMISTRY** (Chem.)

Bro. Geisler, Head

Bro. Bobal
Mr. Madigan

Bro. Lucier
Mr. Reindl
Mr. Schneider

Bro. Wohlleben
Bro. Wottle

A major in chemistry shall ordinarily consist of 24 credit hours, exclusive of Chem. 101, 103, 104, 200, 301, and 302; but inclusive of Chem. 203-204, 303-304, and 305-306.

Chem. 101. **INORGANIC CHEMISTRY.**
Three class periods and one laboratory period a week.

Chem. 103. **INORGANIC CHEMISTRY.**
Four class periods and one laboratory period a week.
Chem. 104. **Inorganic Chemistry.**
Continuation of Chem. 103. Laboratory: Semimicro Qualitative Analysis.
Three class periods and two laboratory periods a week.

*Bro. Lucier*

FIVE CREDIT HOURS

Chem. 121-122N. **General and Applied Chemistry.**
Two class periods and one laboratory period a week.

*Mr. Reindl*

THREE CREDIT HOURS

Chem. 200. **Organic Chemistry (Home Economics).**
Two class periods and one laboratory period a week.

*Bro. Lucier*

THREE CREDIT HOURS

Chem. 201-202. **Organic Chemistry (Pre-Medical and Pre-Dental).**
Three class periods and two laboratory periods a week.

*Bro. Geisler*

TEN CREDIT HOURS

Chem. 203-204. **Quantitative Analysis.**
Long course for Engineers. Two class periods and two laboratory periods a week.

*Bro. Lucier*

EIGHT CREDIT HOURS

Chem. 301. **Quantitative Analysis.**
Short course. Two class periods and two laboratory periods a week.

*Bro. Geisler*

FOUR CREDIT HOURS

Chem. 302. **Physical Chemistry.**
Short course. Two class periods and two laboratory periods a week.

*Mr. Madigan*

FOUR CREDIT HOURS

Chem. 303-304. **Physical Chemistry.**
Long course. Three class periods and one laboratory period a week.

*Mr. Madigan*

EIGHT CREDIT HOURS

Chem. 305-306. **Organic Chemistry.**
Extensive course. Three class periods and three laboratory periods a week.

*Bro. Wohleben*

TWELVE CREDIT HOURS

Chem. 400. **Biochemistry (Home Economics).**
Short course. Two class periods and one laboratory period a week.

*Bro. Geisler*

THREE CREDIT HOURS

Chem. 401-402. **Biochemistry.**
Long course. Three class periods and two laboratory periods a week.

*Bro. Geisler*

TEN CREDIT HOURS

Chem. 412. **Advanced Organic Laboratory.**
Three laboratory periods a week.
Electives for students majoring in Chemistry.

*Bro. Wohleben*

THREE CREDIT HOURS

Chem. E. 302-401. **Industrial Chemistry**

SIX CREDIT HOURS

Chem. E. 403. **Technical Analysis**

THREE CREDIT HOURS

Chem. E. 407. **Plant Inspection Visits**

Chem. E. 408. **Plant Design**

ONE CREDIT HOUR

Chem. E. 410. **Chemical Seminar**

ONE CREDIT HOUR
CLASSICAL LANGUAGES

Latin (Lat.)

Bro. Sullivan

Lat. 101-102. ELEMENTARY LATIN.  
Three class periods a week.  
SIX CREDIT HOURS

Lat. 103-104. INTERMEDIATE LATIN.  
Three class periods a week.  
SIX CREDIT HOURS

Lat. 105. OVID.  
Three class periods a week.  
THREE CREDIT HOURS

Lat. 106. CICERO AND LATIN COMPOSITION.  
Three class periods a week.  
THREE CREDIT HOURS

Lat. 201. LIVY.  
Three class periods a week.  
THREE CREDIT HOURS

Lat. 202. CICERO AND PLINY: LETTERS.  
Three class periods a week.  
THREE CREDIT HOURS

Lat. 205. HORACE.  
Three class periods a week.  
THREE CREDIT HOURS

Lat. 303. PATRISTIC LATIN.  
Three class periods a week.  
THREE CREDIT HOURS

Lat. 304. VIRGIL.  
Three class periods a week.  
THREE CREDIT HOURS

Lat. 305. MEDIEVAL LATIN.  
Three class periods a week.  
THREE CREDIT HOURS

Lat. 403. SENeca.  
Three class periods a week.  
THREE CREDIT HOURS

Lat. 404. METHODS OF TEACHING HIGH SCHOOL LATIN.  
Two class periods a week.  
TWO CREDIT HOURS

Lat. 406. ROMAN SATIRE.  
Two class periods a week.  
TWO CREDIT HOURS

Lat. 410-411. LATIN LITERATURE.  
Two class periods a week.  
FOUR CREDIT HOURS

Greek (Gr.)

Gr. 101-102. ELEMENTARY GREEK.  
Three class periods a week.  
SIX CREDIT HOURS

Gr. 201-202. INTERMEDIATE GREEK.  
Three class periods a week.  
SIX CREDIT HOURS

Gr. 303. GREEK DRAMA.  
Three class periods a week.  
THREE CREDIT HOURS
1. Twenty to twenty-four hours of upper division courses are required of students majoring in economics.

2. A related minor is to be selected in the fields of business organization, philosophy, political science, psychology, or sociology.

3. Economics 201 and 202 are prerequisite or corequisite to all advanced courses except by permission of the instructor.

4. The following courses in Business Organization are credited in an economics major or minor toward the B.S. or B.A. degree.

   - Bus. 316. Industrial Management.

Eco. 102. Economic Geography.
Three class periods a week.

Eco. 103. European Economic History.
Three class periods a week.

Three class periods a week.

Eco. 205. American Economic History.
Three class periods a week.

Eco. 303. Labor Problems.
Three class periods a week.

Eco. 304. Population.
Three class periods a week.

Eco. 308. Principles of Insurance.
Three class periods a week.

Eco. 317. Labor Management.
Three class periods a week.

Eco. 401. History of Economic Thought.
Two class periods a week.

Eco. 402. Public Finance and Taxation.
Three class periods a week.

Eco. 404. Business Cycles.
Three class periods a week.

Eco. 405-406. Money, Credit, Banking.
Three class periods a week.
Eco. 408. Contemporary Economics.
Three class periods a week.

Eco. 411. Advanced Principles of Economics.
Two class periods a week.

Eco. 413. Economic Analysis.
Two class periods a week.

Eco. 414. Consumer Economics.
Three class periods a week.

Two class periods a week.

EDUCATION (Educ.)
Mr. Leary, Head
Fr. Baumeister
Bro. Paulin
Mr. Burroughs

Mrs. Sears
Sr. M. Pelagia
Bro. Schad

Mr. O'Leary
Mr. O'Leary
Mr. O'Leary
Mr. O'Leary

TWO OR THREE CREDIT HOURS
THREE CREDIT HOURS
TWO CREDIT HOURS
TWO CREDIT HOURS

Educ. 100. Technique of Study.
Two class periods a week.

Educ. 101. Introduction to Education.
Two class periods a week.

Educ. 301. School Management.
Two class periods a week.

Two class periods a week.

Educ. 303. Improvement of Instruction in Reading.
Three class periods a week.

Educ. 305. General History of Education.
Two class periods a week.

Two class periods a week.

Two class periods a week.

Educ. 321. Story Telling.
Two class periods a week.

Three class periods a week.

Three class periods a week.

Three class periods a week.

Mr. O'Leary
Mr. Leary
Mr. Leary
Mr. Leary
Mr. Leary
Mr. Leary
Mr. Leary
Mr. Leary
Mr. Leary

TWO CREDIT HOURS
TWO CREDIT HOURS
TWO CREDIT HOURS
TWO CREDIT HOURS
TWO CREDIT HOURS
TWO CREDIT HOURS
TWO CREDIT HOURS
TWO CREDIT HOURS
TWO CREDIT HOURS

Bro. Hoeffken
Bro. Perz
Mr. Vance
Mr. Leary
Mr. Leary, Sr. Pelagia
Mr. Leary
Mr. Leary
Mr. Leary

Sr. Pelagia
Sr. Pelagia
Fr. Baumeister

TWO CREDIT HOURS
TWO CREDIT HOURS
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TWO CREDIT HOURS
Three class periods a week.

Two class periods a week.

Educ. 401. Educational Psychology.
Three class periods a week.

Educ. 402. Diagnosis and Remedial Instruction.
Three class periods a week.

Three class periods a week.

Two class periods a week.

Two class periods a week.

Two class periods a week.

Two class periods a week.

Educ. 408. The Teaching of Modern Languages.
Two class periods a week.

Two class periods a week.

Two class periods a week.

Two class periods a week.

Two class periods a week.

Educ. 413-414. Student Teaching.

Demonstrated success in the classroom is required of every student who becomes a candidate for the Bachelor’s degree in Education. Practice Teaching is open only to Seniors. The course is operated as follows:

The student is placed in a cooperating school, as convenient as possible to the
student's residence. A minimum of 90 clock hours of actual teaching is required for five hours of credit.

In the school the student-teacher is directly responsible to his supervising teacher and to the principal, under the ordinary regulations of the school.

General and individual conferences are held which the student-teachers must attend; special assignments are made and reports of school work discussed.

**Educ. 421. PHILOSOPHY OF EDUCATION.**
Three class periods a week.

**Educ. 422. EDUCATIONAL SOCIOLOGY.**
Three class periods a week.

**Educ. 423. ELEMENTARY STATISTICS.**
Three class periods a week.

**Educ. 424. TESTS AND MEASUREMENTS.**
Three class periods a week.

**Educ. 430. THE CURRICULUM OF THE MODERN ELEMENTARY SCHOOL.**
Three class periods a week.

**Educ. 431. VISUAL AIDS IN EDUCATION.**
Three class periods a week.

**Educ. 435. COUNSELING METHODS AND TECHNIQUES.**
Three class periods a week.

**Educ. 436. THOMASTIC VIEW OF MAN AND SOCIETY.**
Two class periods a week.

**Educ. 437. CHILD STUDY AND PARENT EDUCATION.**
Three class periods a week.

**ENGLISH (Eng.)**

Bro. Wehrle, Head

Sr. Agnes Immaculata

Bro. Kohles

Sr. Marie Fidelis

Bro. Price

**COMPOSITION AND LITERATURE**

**Eng. 100. ENGLISH EXPRESSION.**
Three class periods a week.

**Eng. 101. ENGLISH COMPOSITION.**
Three class periods a week.

This course is the regular freshman college course in which the principles of grammar and rhetoric are presented. Application is made in the regularly assigned themes. Four class and laboratory periods a week.

Placement Test. The work is of a more advanced character than that required for Eng. 103. ENGLISH COMPOSITION.

Students are selected for this course on the basis of the results in the English
Eng. 101. Greater attention is given to creative writing. Four class and laboratory periods a week.

Eng. 104-105. **ENGLISH COMPOSITION.**
Major emphasis is placed on remedial work in grammar, punctuation, and other fundamentals of correct writing. Four class and laboratory periods a week.

Eng. 106. **ENGLISH COMPOSITION.**
This course is planned for students in Engineering and Science. Fundamentals of correct writing are stressed. Three class periods a week.

Eng. 221. **ENGLISH LITERATURE.**
Three class periods a week.

Eng. 222. **AMERICAN LITERATURE.**
Three class periods a week.

Eng. 223. **ENGLISH AND AMERICAN LITERATURE (ENGINEERS)**
Three class periods a week.

Eng. 304. **THEME WRITING.**
Three class periods a week.

Eng. 305. **LATIN AND GREEK DERIVATIVES.**
Three class periods a week.

Eng. 316. **ADVANCED COMPOSITION.**
Three class periods a week.

Eng. 325. **TECHNIQUE OF POETRY.**
Three class periods a week.

Eng. 326. **TECHNIQUE OF THE NOVEL.**
Three class periods a week.

Eng. 327. **HISTORY OF THE NOVEL.**
Three class periods a week.

Eng. 328. **SURVEY OF THE ESSAY.**
Three class periods a week.

Eng. 329. **THE SHORT STORY.**
Three class periods a week.

Eng. 330. **VICTORIAN POETS.**
Three class periods a week.

Eng. 331. **ROMANTIC POETS.**
Three class periods a week.

Eng. 332. **WORLD LITERATURE.**
Three class periods a week.

Eng. 408. **BUSINESS ENGLISH.**
Three class periods a week.

Eng. 414. **FRANCIS THOMPSON.**
Three class periods a week.
Eng. 415. M I L T O N.
Three class periods a week.
THREE CREDIT HOURS

Eng. 416. B R O W N I N G.
Three class periods a week.
THREE CREDIT HOURS

Eng. 417. T E N N Y S O N.
Three class periods a week.
THREE CREDIT HOURS

Eng. 421. M O D E R N P O E T R Y.
Three class periods a week.
THREE CREDIT HOURS

Eng. 422. I N T R O D U C T I O N T O D R A M A.
Three class periods a week.
THREE CREDIT HOURS

Three class periods a week.
THREE CREDIT HOURS

Three class periods a week.
THREE CREDIT HOURS

Three class periods a week.
THREE CREDIT HOURS

Eng. 428. L I T E R A R Y C R I T I C I S M.
Three class periods a week.
THREE CREDIT HOURS

Eng. 429. C H A U C E R.
Three class periods a week.
THREE CREDIT HOURS

JOURNALISM

Eng. 141. I N T R O D U C T I O N T O J O U R N A L I S M.
Three class periods a week.
THREE CREDIT HOURS

Eng. 241. C O P Y R E A D I N G.
Three class periods a week.
THREE CREDIT HOURS

Eng. 301. R E P O R T I N G.
Three class periods a week.
THREE CREDIT HOURS

Eng. 341. F E A T U R E W R I T I N G.
Three class periods a week.
THREE CREDIT HOURS

Three class periods a week.
THREE CREDIT HOURS

SPEECH

Eng. 111. S P E E C H C O R R E C T I O N.
Two class periods a week.
TWO CREDIT HOURS

Eng. 171. P U B L I C S P E A K I N G.
Three class periods a week.
THREE CREDIT HOURS
Eng. 181. **ADVANCED PUBLIC SPEAKING.**
Three class periods a week.  **THREE CREDIT HOURS**

Eng. 271-272. **DEBATING.**
Two credit hours

Eng. 273. **VOICE AND PHONETICS.**
Three class periods a week.  **THREE CREDIT HOURS**

Eng. 275. **SPEECH PERSONALITY.**
Three class periods a week.  **THREE CREDIT HOURS**

**GEOLOGY (Geo.)**

Bro. I. Saletel, Head

Geo. 101. **COLLEGE GEOGRAPHY.**
Three class periods a week.  **THREE CREDIT HOURS**

Geo. 102. **GEOLOGY.**
Three class periods and one laboratory period a week.  **FOUR CREDIT HOURS**

Geo. 108. **MILITARY GEOGRAPHY.**
Three class periods a week.  **THREE CREDIT HOURS**

Geo. 301. **HISTORICAL GEOLOGY.**
Three class periods and one laboratory period a week.  **FOUR CREDIT HOURS**

 Geo. 302. **GEOLOGY OF THE UNITED STATES.**
Three class periods a week.  **THREE CREDIT HOURS**

Geo. 303-304. **REGIONAL GEOGRAPHY.**
Three class periods a week.  **SIX CREDIT HOURS**

Geo. 402. **ECONOMIC GEOLOGY.**
Three class periods a week.  **THREE CREDIT HOURS**

**HISTORY (Hist.)**

Bro. Lackner
Mr. Lantis
Fr. Nagel
Fr. Preisinger

Hist. 101. **HISTORY OF CIVILIZATION (ANCIENT AND MEDIEVAL).**
Four class periods a week.  Bro. Nagel
Three credit hours

Hist. 102. **HISTORY OF CIVILIZATION (MODERN).**
Four class periods a week.  Bro. Nagel
Three credit hours

Hist. 105. **EUROPEAN ECONOMIC HISTORY.**
Three class periods a week.  Bro. Nagel
Three credit hours

Hist. 201. **MODERN EUROPEAN HISTORY (1500-1789).**
Three class periods a week.  Fr. Preisinger
Three credit hours
Three class periods a week.

Three class periods a week.

Hist. 305. The French Revolution.
Prerequisite: Hist. 201. Three class periods a week.

Hist. 308. Nineteenth Century Europe.
Prerequisites: Hist. 201-202. Three class periods a week.

Hist. 311. American History to 1865.
Three class periods a week.

Hist. 312. American History Since 1865.
Three class periods a week.

Hist. 325. Latin American History.
Three class periods a week.

Hist. 326. Modern South America.
Three class periods a week.

Prerequisite: Hist. 101. Three class periods a week.

Hist. 344. Cultural History of Europe.
Three class periods a week.

Hist. 405. Foreign Relations of the United States to the Civil War.
Prerequisite: Hist. 311. Three class periods a week.

Prerequisite: Hist. 312. Three class periods a week.

Hist. 407. Civil War and Reconstruction.
Prerequisite: Hist. 311. Three class periods a week.

Hist. 409. Europe Since 1914.
Prerequisite: Hist. 202. Three class periods a week.

Hist. 410. From Roosevelt to Roosevelt.
Prerequisite: Hist. 312. Three class periods a week.

HOME ECONOMICS (Hec.)

Sr. M. Raphael, Acting Head
Mrs. Williams

Hec. 100. Introduction to Home Economics.
One lecture a week.

One class period and two laboratory periods a week.

Hec. 102. Foods I.
One lecture and two laboratory periods a week.

Sr. M. Hilda
Mrs. Wright

Sr. M. Raphael
Mrs. Williams, Sr. M. Hilda
Mrs. Wright, Sr. M. Raphael
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Hec. 201</td>
<td>Foods II.</td>
<td>Mrs. Wright, Sr. M. Raphael</td>
<td>THREE CREDIT HOURS</td>
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<td>One lecture and two laboratory periods a week.</td>
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<tr>
<td>Hec. 214</td>
<td>Textiles.</td>
<td>Sr. M. Hilda</td>
<td>THREE CREDIT HOURS</td>
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<td>One lecture and two laboratory periods a week.</td>
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<tr>
<td>Hec. 301</td>
<td>Home Hygiene.</td>
<td>Mrs. Wright</td>
<td>THREE CREDIT HOURS</td>
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<td>Three class periods a week.</td>
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<tr>
<td>Hec. 302</td>
<td>Menu Planning, Table Service and Decoration.</td>
<td>Sr. M. Raphael</td>
<td>THREE CREDIT HOURS</td>
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<td>Two three-hour laboratory periods, including one lecture, a week.</td>
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<tr>
<td>Hec. 303</td>
<td>Nutrition and Health.</td>
<td>Sr. M. Raphael</td>
<td>THREE CREDIT HOURS</td>
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<td>Three class periods a week.</td>
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<tr>
<td>Hec. 304</td>
<td>Quantity Cookery, and Food Purchasing.</td>
<td>Sr. M. Raphael</td>
<td>THREE CREDIT HOURS</td>
</tr>
<tr>
<td></td>
<td>One lecture and two laboratory periods a week.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hec. 305</td>
<td>Institutional Accounting.</td>
<td>Bro. Westbrook</td>
<td>THREE CREDIT HOURS</td>
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<tr>
<td></td>
<td>Three class periods a week.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Three class periods with demonstrations.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hec. 308</td>
<td>Institutional Buying.</td>
<td>Mrs. Wright, Sr. M. Raphael</td>
<td>TWO CREDIT HOURS</td>
</tr>
<tr>
<td></td>
<td>Two class periods a week.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hec. 309</td>
<td>Household Equipment.</td>
<td>Sr. M. Raphael</td>
<td>TWO CREDIT HOURS</td>
</tr>
<tr>
<td></td>
<td>Two class periods with demonstrations.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hec. 311</td>
<td>Clothing Selection.</td>
<td>Sr. M. Hilda</td>
<td>THREE CREDIT HOURS</td>
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<tr>
<td></td>
<td>One lecture and two laboratory periods a week.</td>
<td></td>
<td></td>
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<tr>
<td>Hec. 312</td>
<td>Children's Clothing.</td>
<td>Sr. M. Hilda</td>
<td>THREE CREDIT HOURS</td>
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<tr>
<td></td>
<td>One lecture and two laboratory periods a week.</td>
<td></td>
<td></td>
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<tr>
<td>Hec. 314</td>
<td>Costume Art.</td>
<td>Sr. M. Hilda</td>
<td>THREE CREDIT HOURS</td>
</tr>
<tr>
<td></td>
<td>One lecture and two laboratory periods a week.</td>
<td></td>
<td></td>
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<tr>
<td>Hec. 316</td>
<td>Clothing Consumption.</td>
<td>Sr. M. Hilda</td>
<td>THREE CREDIT HOURS</td>
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<tr>
<td></td>
<td>Three class periods a week.</td>
<td></td>
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<tr>
<td>Hec. 321</td>
<td>Home Management.</td>
<td>Sr. M. Hilda</td>
<td>THREE CREDIT HOURS</td>
</tr>
<tr>
<td></td>
<td>Three class periods a week.</td>
<td></td>
<td></td>
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<tr>
<td>Hec. 401</td>
<td>Advanced Nutrition.</td>
<td>Sr. M. Raphael</td>
<td>THREE CREDIT HOURS</td>
</tr>
<tr>
<td></td>
<td>Three class periods a week.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hec. 402</td>
<td>Nutrition in Disease.</td>
<td>Sr. M. Raphael</td>
<td>THREE CREDIT HOURS</td>
</tr>
<tr>
<td></td>
<td>Two lectures and one laboratory period a week.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hec. 403</td>
<td>Experimental Cookery.</td>
<td>Mrs. Wright, Sr. M. Raphael</td>
<td>THREE CREDIT HOURS</td>
</tr>
<tr>
<td></td>
<td>One lecture and two laboratory periods a week.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hec. 405</td>
<td>Methods of Teaching Home Economics.</td>
<td>Sr. M. Hilda</td>
<td>THREE CREDIT HOURS</td>
</tr>
<tr>
<td></td>
<td>Three class periods a week.</td>
<td></td>
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</tr>
</tbody>
</table>
Hec. 406.  **Home Management II.**
One class period and one laboratory period a week.

Sr. M. Raphael
TWO CREDIT HOURS

Hec. 407.  **Institutional Organization and Management.**
Three class periods a week.

Sr. M. Raphael
THREE CREDIT HOURS

Hec. 411.  **Clothing Reclamation.**
One class period and two laboratory periods a week.

Sr. M. Hilda
THREE CREDIT HOURS

Hec. 413.  **Fitting and Pattern Drafting.**
One class period and two laboratory periods a week.

Sr. M. Hilda
THREE CREDIT HOURS

Hec. 415.  **Tailoring.**
One lecture and two laboratory periods a week.

Sr. M. Hilda
THREE CREDIT HOURS

Hec. 416.  **Costume Design.**
One lecture and two laboratory periods a week.

Sr. M. Hilda
THREE CREDIT HOURS

Hec. 423.  **Home Planning and Furnishing.**
One lecture and two laboratory periods a week.

Sr. M. Hilda
THREE CREDIT HOURS

Hec. 424.  **Home Planning II.**
Two class periods a week.

Sr. M. Raphael
TWO CREDIT HOURS

Hec. 425.  **Child Development I.**
Two class periods and supervised observation.

Sr. M. Raphael
THREE CREDIT HOURS

Hec. 426.  **Child Development II.**
Two class periods and supervised observation.

Sr. M. Raphael
THREE CREDIT HOURS

**MATHEMATICS (Math.)**

Bro. Bellmer, Head

Mr. Peckham  Mr. Schraut  Bro. Westbrook

A major in mathematics shall consist of 20 credit hours of mathematics, exclusive of Math. 101-102, 103, 115-116, 203, 403 or any other Freshman course in college mathematics.

Math. 12.  **Elementary Algebra.**

NO CREDIT

Math. 13.  **Plane Geometry.**

NO CREDIT

Math. 14.  **Qualifying Mathematics.**
(Preparation for College Algebra).

NO CREDIT

Math. 15.  **Solid Geometry.**

NO CREDIT

Math. 101.  **Freshman Mathematics (College Algebra).**

Mr. Peckham, Mr. Schraut, Bro. Bellmer

Prerequisite: One year of high school algebra and plane geometry. Three class periods a week.

THREE CREDIT HOURS
Math. 102. FRESHMAN MATHEMATICS (PLANE TRIGONOMETRY).
Mr. Peckham, Mr. Schraut, Bro. Bellmer
Prerequisites: One year of high school algebra and plane geometry. Three class periods a week.
THREE CREDIT HOURS

Math. 103. COLLEGE ALGEBRA (BUSINESS STUDENTS).
Mr. Peckham, Mr. Schraut, Bro. Bellmer
Prerequisite: One year of high school algebra. Three class periods a week.
THREE CREDIT HOURS

Math. 115. UNIFIED MATHEMATICS (COLLEGE ALGEBRA & TRIGONOMETRY).
Mr. Peckham, Mr. Schraut, Bro. Bellmer
Prerequisites: One and a half units in high school algebra, and plane geometry. Five class periods a week.
FIVE CREDIT HOURS

Mr. Peckham, Mr. Schraut, Bro. Bellmer
Prerequisites: Math. 15 and 115. Five class periods a week.
FIVE CREDIT HOURS

Math. 121. COLLEGE ALGEBRA.
Mr. Peckham, Mr. Schraut, Bro. Bellmer
Four class periods a week.
FOUR CREDIT HOURS

Math. 122. TRIGONOMETRY.
Mr. Peckham, Mr. Schraut, Bro. Bellmer
Three class periods a week.
THREE CREDIT HOURS

Math. 123. ANALYTIC GEOMETRY AND SELECTED TOPICS IN ALGEBRA.
Mr. Peckham, Mr. Schraut, Bro. Bellmer
Four class periods a week.
FOUR CREDIT HOURS

Math. 201. DIFFERENTIAL AND INTEGRAL CALCULUS.
Mr. Peckham, Mr. Schraut, Bro. Bellmer
Prerequisites: Math. 115, Math. 116 or their equivalents. Four class periods a week.
FOUR CREDIT HOURS

Math. 202. DIFFERENTIAL AND INTEGRAL CALCULUS.
Mr. Peckham, Mr. Schraut, Bro. Bellmer
Prerequisite: Math. 201. Four class periods a week.
FOUR CREDIT HOURS

Math. 203. MATHEMATICS OF FINANCE.
Bro. Westbrock
Three class periods a week.
THREE CREDIT HOURS

Math. 301. DIFFERENTIAL EQUATIONS.
Mr. Schraut, Bro. Bellmer
Prerequisites: Math. 201, Math. 202. Three class periods a week.
THREE CREDIT HOURS

Math. 302. THEORY OF EQUATIONS.
Mr. Peckham, Bro. Bellmer
Prerequisite: Math. 201. Three class periods a week.
THREE CREDIT HOURS

Math. 310-311. STATISTICS.
Mr. Peckham
Prerequisites: Math. 201-202. Three class periods a week.
SIX CREDIT HOURS

Math. 320-321. ADVANCED MATHEMATICS FOR ENGINEERS.
Mr. Schraut
Prerequisites: Math. 201-202. Three class periods a week.
SIX CREDIT HOURS

Math. 401. COLLEGE GEOMETRY.
Bro. Bellmer
Prerequisites: Math. 115-116. Three class periods a week.
THREE CREDIT HOURS

Math. 403. BUSINESS STATISTICS.
Bro. Westbrock
Three class periods a week.
THREE CREDIT HOURS
Math. 420-421. **Advanced Calculus.**
*Mr. Schraut, Bro. Bellmer*
Prerequisites: Math. 201-202. Three class periods a week.
**Six Credit Hours**

Math. 430. **Vector Analysis.**
*Mr. Schraut, Bro. Bellmer*
Prerequisites: Math. 201-202. Three class periods a week.
**Three Credit Hours**

Math. 431. **Fourier Series.**
*Mr. Schraut*
Prerequisites: Math. 320-321; or Math. 420-421. Three class periods a week.
**Three Credit Hours**

**Medical Radiological Technique (Rad.)**
*Dr. George Nicoll, Head*

**James T. Hennessy**

Rad. 451. **Radiological Physics.**
*Staff*
**Three Credit Hours**

Rad. 452. **The X-Ray Machine.**
*Staff*
**Three Credit Hours**

Rad. 453. **Processing of X-Ray Films.**
*Staff*
**Two Credit Hours**

Rad. 454. **Routine Standard Positioning.**
*Staff*
**Eight Credit Hours**

Rad. 455. **Special Examinations Using Opaque Materials.**
*Staff*
**Six Credit Hours**

Rad. 456. **Fluoroscopic Procedure.**
*Staff*
**Two Credit Hours**

Rad. 457. **Radiation Therapy.**
*Staff*
**Eight Credit Hours**

**Medical Technology (Met.)**
*Dr. Melvin Oosting, Head*

Miss Campbell  Miss Frazier  Miss McClellan
Miss Thornton  Miss McCreary  Miss Norris

Met. 451. Urinalysis; Gastric Contents; and Renal Function Tests.
**Three Credit Hours**

Met. 452. Hematology.
**Six Credit Hours**

Met. 453. Bacteriology; Serology; Parasitology; Sputum; Feces; and Spinal Fluid.
**Eight Credit Hours**

Met. 454. Chemistry.
**Three Credit Hours**

Met. 455. Histology.
**One Credit Hour**

Met. 456. Basal Metabolism; Electrocardiogram; and Review.
**Four Credit Hours**
**MILITARY SCIENCE AND TACTICS (Mil.)**

Major Freel, Head

Sgt. Burton

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Mil. 101-102</td>
<td>First Year Basic</td>
<td>THREE CREDIT HOURS</td>
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<tr>
<td></td>
<td>Five class periods a week.</td>
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<tr>
<td>Mil. 201-202</td>
<td>Second Year Basic</td>
<td>THREE CREDIT HOURS</td>
</tr>
<tr>
<td></td>
<td>Five class periods a week.</td>
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<tr>
<td>Mil. 301-302</td>
<td>First Year Advanced</td>
<td>THREE CREDIT HOURS</td>
</tr>
<tr>
<td>Mil. 401-402</td>
<td>Second Year Advanced</td>
<td>THREE CREDIT HOURS</td>
</tr>
</tbody>
</table>

**MODERN LANGUAGES**

Bro. Perz, Head

Bro. Poitras

Bro. Wohlleben

Bro. L. Saletel

**FRENCH**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Instructors</th>
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<tbody>
<tr>
<td>Fr. 101-102</td>
<td>Elementary French</td>
<td>Bro. Poitras</td>
</tr>
<tr>
<td></td>
<td>Three class periods a week.</td>
<td>SIX CREDIT HOURS</td>
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<tr>
<td>Fr. 201-202</td>
<td>Intermediate French</td>
<td>Bro. Poitras</td>
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<td>Three class periods a week.</td>
<td>SIX CREDIT HOURS</td>
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<tr>
<td>Fr. 203-204</td>
<td>Composition and Conversation in French</td>
<td>Bro. Poitras</td>
</tr>
<tr>
<td></td>
<td>Three class periods a week. Prerequisite: Fr. 201-202.</td>
<td>SIX CREDIT HOURS</td>
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<tr>
<td>Fr. 301-302</td>
<td>French Civilization</td>
<td>Bro. Poitras</td>
</tr>
<tr>
<td></td>
<td>Three class periods a week.</td>
<td>SIX CREDIT HOURS</td>
</tr>
<tr>
<td>Fr. 303-304</td>
<td>French Literature of the Eighteenth Century</td>
<td>Bro. Poitras</td>
</tr>
<tr>
<td></td>
<td>Three class periods a week.</td>
<td>SIX CREDIT HOURS</td>
</tr>
<tr>
<td>Fr. 403-404</td>
<td>French Literature of the Seventeenth Century</td>
<td>Bro. Poitras</td>
</tr>
<tr>
<td></td>
<td>Three class periods a week.</td>
<td>SIX CREDIT HOURS</td>
</tr>
<tr>
<td>Fr. 405</td>
<td>French Romantic Poetry</td>
<td>Bro. Poitras</td>
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<td>Three class periods a week.</td>
<td>THREE CREDIT HOURS</td>
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<tr>
<td>Fr. 408</td>
<td>Contemporary French Literature</td>
<td>Bro. Poitras</td>
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<td></td>
<td>Three class periods a week.</td>
<td>THREE CREDIT HOURS</td>
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**GERMAN**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Ger. 101-102</td>
<td>Elementary German</td>
<td>SIX CREDIT HOURS</td>
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<td></td>
<td>Three class periods a week.</td>
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<tr>
<td>Ger. 201-202</td>
<td>Intermediate German</td>
<td>SIX CREDIT HOURS</td>
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<td></td>
<td>Three class periods a week.</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
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<tr>
<td>-------------</td>
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<tr>
<td>Ger. 301-302</td>
<td>German Literature to 1800.</td>
<td>SIX CREDIT HOURS</td>
</tr>
<tr>
<td>Ger. 303-304</td>
<td>German Literature Since 1800.</td>
<td>SIX CREDIT HOURS</td>
</tr>
<tr>
<td>Ger. 305-306</td>
<td>Scientific German.</td>
<td>SIX CREDIT HOURS</td>
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<tr>
<td>Ger. 307-308</td>
<td>Chemical German.</td>
<td>SIX CREDIT HOURS</td>
</tr>
<tr>
<td>Ger. 401-402</td>
<td>German Classical Drama.</td>
<td>SIX CREDIT HOURS</td>
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<tr>
<td>Ger. 405-406</td>
<td>German Lyric Poetry of the Nineteenth Century.</td>
<td>SIX CREDIT HOURS</td>
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**SPANISH**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Span. 101-102</td>
<td>Elementary Spanish.</td>
<td>SIX CREDIT HOURS</td>
<td>Bro. Perz</td>
<td>Three class periods a week.</td>
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<tr>
<td>Span. 201-202</td>
<td>Intermediate Spanish.</td>
<td>SIX CREDIT HOURS</td>
<td>Bro. Perz</td>
<td>Three class periods a week.</td>
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<tr>
<td>Span. 301-302</td>
<td>Spanish Literature.</td>
<td>SIX CREDIT HOURS</td>
<td>Bro. Perz</td>
<td>Three class periods a week.</td>
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<tr>
<td>Span. 303-304</td>
<td>Spanish-American Literature.</td>
<td>SIX CREDIT HOURS</td>
<td>Bro. Perz</td>
<td>Three class periods a week.</td>
</tr>
<tr>
<td>Span. 401-402</td>
<td>Modern Spanish Prose Writers.</td>
<td>SIX CREDIT HOURS</td>
<td>Bro. Perz</td>
<td>Three class periods a week.</td>
</tr>
<tr>
<td>Span. 403</td>
<td>Modern Spanish Dramatists.</td>
<td>THREE CREDIT HOURS</td>
<td>Bro. Perz</td>
<td>Three class periods a week.</td>
</tr>
<tr>
<td>Span. 404</td>
<td>Drama of the Golden Age.</td>
<td>THREE CREDIT HOURS</td>
<td>Bro. Perz</td>
<td>Three class periods a week.</td>
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</table>
MUSIC (Mus.)
Mr. Reichard, Head

Mr. Deger  Miss Disbro  Mrs. Sears
Mr. Enoch  Mr. Park    Mr. Sprague
Mr. Heimann Mr. Katz    Miss Thomas
Mr. Zech

Requirements for the Degree of Bachelor of Music:

ACADEMIC:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credit Hours</th>
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<tr>
<td>English</td>
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<tr>
<td>Social Science</td>
<td>6</td>
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<tr>
<td>Psychology</td>
<td>3</td>
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<td>Electives</td>
<td>14</td>
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<td>Total</td>
<td>32</td>
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MUSICAL:

<table>
<thead>
<tr>
<th>Major (Piano, Organ, Violin, *Voice, Musical Composition)</th>
<th>20-24 CREDIT HOURS</th>
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<tbody>
<tr>
<td>**Minor (Voice, Instrument, Composition)</td>
<td>12 CREDIT HOURS</td>
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<tr>
<td>Theoretical subjects (Harmony, Ear Training, Sight Singing, Counterpoint Analysis)</td>
<td>16-20 CREDIT HOURS</td>
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<tr>
<td>History, Literature, Appreciation</td>
<td>10 CREDIT HOURS</td>
</tr>
<tr>
<td>Conducting</td>
<td>2 CREDIT HOURS</td>
</tr>
<tr>
<td>Instrumentation, Orchestration</td>
<td>4 CREDIT HOURS</td>
</tr>
<tr>
<td>Ensemble</td>
<td>2 CREDIT HOURS</td>
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<tr>
<td>Total</td>
<td>66-74 CREDIT HOURS</td>
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</tbody>
</table>

***Electives (Academic or Musical)                        | 22-30 CREDIT HOURS |

*Voice majors will be required to take modern languages as part of Academic Elective.

**Students majoring in Voice, Violin or Composition will be required to use Piano as a minor subject.

***These electives may include necessary Education courses to meet requirements of Ohio State Board of Education for Teachers of Music in Public Schools.

***Additional work in Applied Music and Musical Composition is strongly recommended.

Candidates for the degree of Bachelor of Arts may elect music as their major study. A maximum of forty semester hours will be accepted for credit. Of these, sixteen hours may be applied music. A maximum of twenty-four hours in theoretical subjects will be allowed independently of applied music.
Mus. 102. Music Literature and Appreciation.
Two class periods a week.  
Mr. Reichard  
TWO CREDIT HOURS

Mus. 111-112. Harmony I.
Prerequisite: Knowledge of fundamentals of music; preparatory knowledge of piano. Three class periods a week.  
Miss Thomas  
six CREDIT HOURS

Mus. 121-122. Sight Singing, Ear Training I.
Prerequisite: Knowledge of fundamentals of music. Two class periods a week.  
Mr. Reichard  
FOUR CREDIT HOURS

Mus. 141. Introduction to Music.
Two class periods a week.  
Mrs. Sears  
TWO CREDIT HOURS

Mus. 211-212. Harmony II.
Prerequisite: Mus. 111-112. Three class periods a week.  
Miss Thomas  
six CREDIT HOURS

Mus. 221-222. Sight Singing, Ear Training II.
Prerequisite: Mus. 121-122. Two class periods a week.  
Mr. Reichard  
FOUR CREDIT HOURS

Two class periods a week.  
Mrs. Sears, Miss Disbro  
TWO CREDIT HOURS

Mus. 241. Teaching Fundamental Rhythms and Folk Dancing.
Two class periods a week.  
Mrs. Sears  
TWO CREDIT HOURS

*Mus. 301. History of Music I.
Two class periods a week.  
Mr. Reichard  
THREE CREDIT HOURS

*Mus. 301. History of Music II.
Two class periods a week.  
Mr. Reichard  
THREE CREDIT HOURS

Two class periods a week.  
Mr. Reichard  
TWO CREDIT HOURS

Mus. 311-312. Counterpoint.
Prerequisite: Mus. 211-212 or permission of instructor. Subject to private instruction fee. Three class periods a week.  
Mr. Sprague  
six CREDIT HOURS

Prerequisite: Music 211-212 or permission of instructor. May be subject to private instruction fee. Three class periods a week.  
Mr. Sprague, Mr. Reichard  
six CREDIT HOURS

Mus. 315. Opera I.
Two class periods a week.  
Mr. Heimann  
THREE CREDIT HOURS

Mus. 316. Opera II.
Two class periods a week.  
Mr. Heimann  
THREE CREDIT HOURS

Prerequisite: Permission of instructor. Two class periods a week.  
Mr. Reichard  
TWO CREDIT HOURS
Mus. 322. INSTRUMENTATION AND ORCHESTRATION.  
Mr. Reichard  
Prerequisites: Mus. 211-212 or permission of instructor. Three class periods a week.  
THREE CREDIT HOURS

Mus. 325-326-327. INSTRUMENTAL CLASS METHODS.  
Mr. Reichard  
Two class periods a week.  
SIX CREDIT HOURS

Mus. 331. VOCAL MUSIC IN THE HIGH SCHOOL.  
Mrs. Sears  
Three class periods a week.  
TWO CREDIT HOURS

Mus. 332. THE SCHOOL BAND AND ORCHESTRA.  
Mr. Reichard  
Two class periods a week.  
TWO CREDIT HOURS

Mus. 335-336. VOICE CLASS.  
Mrs. Sears  
Two class periods a week.  
FOUR CREDIT HOURS

Mus. 341. MUSIC LITERATURE IN THE ELEMENTARY GRADES.  
Mrs. Sears  
Two class periods a week.  
TWO CREDIT HOURS

Mus. 351. CONDUCTING—VOCAL.  
Mr. Reichard, Mrs. Sears  
Prerequisite: Permission of instructor. Two class periods a week.  
TWO CREDIT HOURS

Mus. 401. SURVEY OF CHAMBER MUSIC.  
Mr. Reichard  
Two class periods a week.  
TWO CREDIT HOURS

Mus. 411-412. MUSICAL COMPOSITION.  
Mr. Sprague  
Prerequisite: Permission of instructor; may be repeated by permission of head of department. Subject to private instruction fee. Three class periods a week.  
SIX CREDIT HOURS

Mus. 413-414. ADVANCED HARMONIC ANALYSIS.  
Mr. Sprague, Mr. Reichard  
Prerequisite: Mus. 313-314 or permission of instructor. May be subject to private instruction fee. Three class periods a week.  
SIX CREDIT HOURS

Mus. 421-422. LABORATORY IN ORCHESTRATION.  
Mr. Reichard  
Prerequisite: Permission of instructor. Two class periods a week.  
TWO TO SIX CREDIT HOURS

Mus. 431. ELEMENTARY SCHOOL MUSIC PROBLEMS.  
Mr. Park  
Two class periods a week.  
TWO CREDIT HOURS

Mus. 432. HIGH SCHOOL MUSIC PROBLEMS.  
Mr. Park  
Two class periods a week.  
TWO CREDIT HOURS

Mus. 441. PROGRAM BUILDING.  
Mrs. Sears  
Two class periods a week.  
TWO CREDIT HOURS

Mus. 451. MUSIC AS A SOCIAL FORCE.  
Mr. Katz  
Two class periods a week.  
TWO CREDIT HOURS
APPLIED MUSIC (Private Instruction)

Piano, organ, violin, voice, stringed instruments, wind instruments. Credit is allowed at the rate of two credit hours per lesson a week.

**PIANO.**  
*Miss Thomas, Mr. Sprague*  
Semester Fee: $24.00 (Miss Thomas) to $80.00 (Mr. Sprague)  
TWO CREDIT HOURS

**ORGAN.**  
*Mr. Deger*  
Semester fee: $48.00  
TWO CREDIT HOURS

**VOICE.**  
*Mr. Heimann*  
Semester fee: $64.00  
TWO CREDIT HOURS

**VIOLIN.**  
*Mr. Katz*  
Semester fee: $48.00  
TWO CREDIT HOURS

**REED, WOODWIND INSTRUMENTS.**  
*Mr. Enoch*  
Semester fee: $24.00  
TWO CREDIT HOURS

**BRASS INSTRUMENTS.**  
*Miss Kraner*  
Semester fee: $24.00  
TWO CREDIT HOURS

**ENSEMBLES**

**ORCHESTRA (Jr. Philharmonic Orchestra)**  
*Mr. Katz, Miss Kraner*  
Mr. Reichard

**BAND**  
*Mrs. Sears*  
Mr. Reichard

**CHORUSES—WOMEN’S, MEN’S, MIXED**  
*Miss Reever*  
*Mrs. Zimmerman*

**INSTRUMENTAL ENSEMBLES**  
Credit in applied music may be earned in Orchestra, Band, and Choruses by students enrolled in theoretical music courses. Credit will be allowed at the rate of one-half credit hour per semester for each organization. Maximum—four credits in all organizations. Prerequisites: Permission of the director.

**NURSING EDUCATION (Ned.)**

Sister Minalia, Head

Miss Anderson  
Mrs. Everett  
Miss Horrigan  
Mrs. Mowry  
Ned. 308. **THE NURSE AND COMMUNITY HEALTH.**  
Three class periods a week.  
*Ned. 326. ADVANCED CLINICAL MEDICAL AND SURGICAL NURSEING.**  
Three class periods a week.
Ned. 327. Current Trends in American Nursing. Three class periods a week. Miss Horrigan Three credit hours

Ned. 329. Guidance Programs in Schools of Nursing. Three class periods a week. Sister Minalia Three credit hours

Ned. 330. Survey of Public Health Nursing. Three class periods a week. Miss Horrigan Three credit hours

Ned. 331. Principles of Supervision in Schools of Nursing. Three class periods a week. Mrs. Zimmermann Three credit hours

Ned. 332. Principles and Techniques of Teaching in Schools of Nursing. Miss Anderson Three credit hours

Ned. 333. Teaching of Nursing Arts. Three class periods a week. Miss Wenning Three credit hours

Ned. 334. Curriculum in Schools of Nursing. Three class periods a week. Sister Minalia Three credit hours

Ned. 335. Comparative Nursing. Three class periods a week. Three credit hours

Ned. 336. Field Experience in Supervision. Three class periods a week. Mrs. Mowry Three credit hours

Ned. 421. Ward Administration. Three class periods a week. Mrs. Zimmerman Three credit hours

Ned. 431. Advanced Obstetrical Nursing. Three class periods a week. Staff Three credit hours

Ned. 451. Survey of History of Nursing. Three class periods a week. Miss Horrigan Three credit hours

PHILOSOPHY (Phil.)

Fr. Fritz, Head

Fr. Bruder Fr. Enders Fr. Renneker

Twenty-four hours of upper division courses are required of students majoring in Philosophy.

Phil. 103-104. Character Formation. Two class periods a week. Fr. Enders Four credit hours

Phil. 203-204. Philosophy of Living. Two class periods a week. Fr. Enders Four credit hours

Phil. 301. Fundamentals of Scholastic Philosophy. Three class periods a week. Fr. Fritz Three credit hours
Phil. 302. Logic. Three class periods a week. 
Fr. Fritz
THREE CREDIT HOURS

Phil. 303. Cosmology. Fr. Enders
Prerequisite: Phil. 301 or Phil. 302. Two class periods a week. TWO CREDIT HOURS

Phil. 303a. Cosmology. Fr. Bruder
Prerequisite: Phil. 301 or Phil. 302. Four class periods a week.
FOUR CREDIT HOURS

Phil. 304. Rational Psychology. Fr. Fritz
Prerequisite: Phil. 301 or Phil. 302. Three class periods a week.
THREE CREDIT HOURS

Phil. 304a. Rational Psychology. Fr. Bruder
Prerequisite: Phil. 301 or Phil. 302. Five class periods a week.
FIVE CREDIT HOURS

Phil. 324. Ethics. Fr. Bruder, Fr. Enders, Fr. Renneker
Three class periods a week.
THREE CREDIT HOURS

Phil. 401. Epistemology. Fr. Enders
Prerequisite: Phil. 303 or Phil. 304. Two class periods a week.
TWO CREDIT HOURS

Phil. 401a. Epistemology. Fr. Bruder
Prerequisite: Phil. 303 or Phil. 304. Four class periods a week.
FOUR CREDIT HOURS

Phil. 402. Ontology. Fr. Bruder, Fr. Fritz
Prerequisite: Phil. 303 or Phil. 304. Four class periods a week.
FOUR CREDIT HOURS

Phil. 403a. Theodicy. Fr. Bruder
Prerequisite: Phil. 402. Five class periods a week.
FIVE CREDIT HOURS

Phil. 405. History of Philosophy. (Ancient and Patristic). Fr. Bruder, Fr. Fritz
Prerequisite: Nine credit hours, upper division courses, in Philosophy. Three class periods a week.
THREE CREDIT HOURS

Prerequisite: Nine credit hours, upper division courses, in Philosophy. Three class periods a week.
THREE CREDIT HOURS

Phil. 482. Medical Ethics. Fr. Enders, Fr. Renneker
Prerequisite: Phil. 324. Three class periods a week.
THREE CREDIT HOURS

PHYSICAL AND HEALTH EDUCATION (Phe.)

Bro. Doyle
Mrs. Sears
Mr. Harry Baujan

Phe. 101-102. Physical Education. One credit hour
Two class periods a week.

Phe. 103. Health (for Men) 1/2 credit hour
One class period a week.
Phe. 103-104. Health (For Women)
One class period a week. ONE CREDIT HOUR

Two class periods a week. TWO CREDIT HOURS

Phe. 130. Teaching of Fundamental Rhythms and Folk Dancing in Elementary and Secondary Schools.
Two class periods a week. TWO CREDIT HOURS

Phe. 201-202. Physical Education.
Continuation of Phe. 101-102. For Sophomore women. Two class periods a week. ONE CREDIT HOUR

Phe. 203-204. Human Anatomy.
Two class periods a week. FOUR CREDIT HOURS

Phe. 221. Theory of Play and Recreation.
Two class periods a week. TWO CREDIT HOURS

Phe. 303. Human Physiology.
Three class periods a week. THREE CREDIT HOURS

Phe. 309. Methods in Physical Education.
Two class periods a week. TWO CREDIT HOURS

Two class periods a week. TWO CREDIT HOURS

Phe. 313. Teaching of Physical Education for Women.
Two class periods a week. TWO CREDIT HOURS

Two class periods a week. TWO CREDIT HOURS

Phe. 333. Camping and Playground.
Two class periods a week. TWO CREDIT HOURS

Phe. 401. Principles of Physical Education.
Two class periods a week. TWO CREDIT HOURS

Phe. 402. Organization and Administration of Physical Education.
Two class periods a week. TWO CREDIT HOURS

Phe. 403. Intramural Problems.
Two class periods a week. TWO CREDIT HOURS

Two class periods a week. TWO CREDIT HOURS

Phe. 425. Practice Teaching. THREE TO FIVE CREDIT HOURS
PHYSICS (Phys.)
Bro. Patzak, Head

Bro. Grandy
No credit

A major shall consist of 20-24 credit hours of physics exclusive of Phys. 101, 201-202, 206, 207, and 208.

Phys. 12. ELEMENTARY PHYSICS.

Phys. 101. HOUSEHOLD PHYSICS.
For students of Home Economics. Three class periods a week.

Phys. 201-202. INTRODUCTION TO PHYSICS.
For pre-medical and pre-dental students and for students of medical technology.

Prerequisite: Math. 101-102. Three class periods and one laboratory period a week.

Phys. 206. GENERAL PHYSICS—MECHANICS AND SOUND.
For students who intend to major in physics or engineering.
Prerequisite: Math. 115.
Three class periods and one laboratory period a week.

Phys. 207. GENERAL PHYSICS—ELECTRICITY AND MAGNETISM.
For students who intend to major in physics or engineering.
Prerequisite: Physics 206.
Three class periods and one laboratory period a week.

Phys. 208. GENERAL PHYSICS—HEAT AND LIGHT.
For students who intend to major in physics or engineering.
Prerequisite: Physics 206.
Three class periods and one laboratory period a week.

Phys. 301. HEAT.
Three class periods a week.

Phys. 305. PHYSICAL OPTICS.
Prerequisites: Math. 201-202, Phys. 206, 207, 208.
Four class periods a week.

Phys. 311. INTRODUCTION TO ATOMIC PHYSICS.
Prerequisites: Math. 201-202, Phys. 206, 207, 208.
Three class periods a week.

Phys. 406. WAVE THEORY AND SOUND.
Prerequisites: Math. 201-202, Phys. 206, 207, 208.
Three class periods a week.

Phys. 408. ELECTRICITY AND MAGNETISM.
Prerequisites: Math. 201-202, Phys. 206, 207, 208.
Four class periods and one laboratory period a week.
Phys. 409. **Electronics.**
Prerequisites: Math. 201-202, Phys. 206, 207, 208.
Four class periods and one laboratory period a week.

Phys. 421. **Introduction to Modern Physics.**
Prerequisites: Math. 201-202, Phys. 206, 207, 208.
Four class periods a week.

**POLITICAL SCIENCE (Pol.)**

Mr. Lantis

Students majoring in the field of political science are required to take Pol. 201-202, 306, 413, and 425. The major must include a minimum of twenty hours. The related minor may be taken from the group of Social Sciences.

Pol. 201-202. **American Government—National, State, and Local.**
Three class periods a week.

Pol. 304. **Principal European Governments.**
Three class periods a week.

Pol. 306. **International Public Law and Relations.**
Three class periods a week.

Pol. 310. **Political Parties and Practical Politics.**
Three class periods a week.

Pol. 325. **Survey of Latin America.**
Three class periods a week.

Pol. 408. **American Foreign Policy.**
Three class periods a week.

Pol. 410. **Public Administration.**
Three class periods a week.

Pol. 412. **The Development of the American Constitution.**
Three class periods a week.

Pol. 413. **The Philosophy of the State.**
Three class periods a week.

Pol. 415. **Pan-Americanism.**
Three class periods a week.

Pol. 425. **Government Seminar.**
One class period a week.
Mr. Gibson, Head

Psych. 201. INTRODUCTORY PSYCHOLOGY.
Three class periods a week. THREE CREDIT HOURS

Psych. 201N. INTRODUCTORY PSYCHOLOGY FOR NURSES.
One class period a week. ONE CREDIT HOUR

Psych. 304. ADOLESCENT PSYCHOLOGY.
Prerequisite: Psych. 201.
Three class periods a week. THREE CREDIT HOURS

Psych. 305. MENTAL HYGIENE.
Prerequisite: Psych. 201. Three class periods a week. THREE CREDIT HOURS

Psych. 306. CHILD PSYCHOLOGY.
Prerequisite: Psych. 201. Three class periods a week. THREE CREDIT HOURS

Psych. 308. EXPERIMENTAL PSYCHOLOGY I.
Prerequisite: Psych. 201. One class period and two laboratory periods a week. THREE CREDIT HOURS

Psych. 309. EXPERIMENTAL PSYCHOLOGY II.
Approval of instructor.
One class period and two laboratory periods a week. THREE CREDIT HOURS

Psych. 315. PERSONALITY DEVELOPMENT.
Prerequisite: Psych. 201. Three class periods a week. THREE CREDIT HOURS

Psych. 401. EDUCATIONAL PSYCHOLOGY.
Prerequisites: Psych. 201; three education courses. Three class periods a week. THREE CREDIT HOURS

Psych. 402. MEASUREMENT OF HUMAN BEHAVIOR.
Prerequisite: Psych. 201. Three class periods a week. THREE CREDIT HOURS

Psych. 408. SOCIAL PSYCHOLOGY.
Prerequisite: Psych. 201. Three class periods a week. THREE CREDIT HOURS

Psych. 420. INDUSTRIAL PSYCHOLOGY.
Three class periods a week. Mr. Gibson THREE CREDIT HOURS

Psych. 450. PSYCHOLOGY OF INDIVIDUAL DIFFERENCES.
Prerequisite: Psych. 201. Three class periods a week. THREE CREDIT HOURS

Psych. 454. PHYSIOLOGICAL PSYCHOLOGY I.
Prerequisite: Psych. 201. Three class periods a week. THREE CREDIT HOURS

Psych. 455. PHYSIOLOGICAL PSYCHOLOGY II.
Prerequisite: Psych. 454. Three class periods a week. THREE CREDIT HOURS
RELIGION (Rel.)

Fr. Leimkuhler, Head

Rel. 103.  **Life of Christ I.**
Two class periods a week.

Fr. Leimkuhler  
Two Credit Hours

Rel. 104.  **Life of Christ II.**
Two class periods a week.

Fr. Leimkuhler  
Two Credit Hours

Rel. 203.  **Christian Marriage.**
Two class periods a week.

Fr. Leimkuhler  
Two Credit Hours

Rel. 204.  **Current Problems in Religion.**
Two class periods a week.
A comprehensive examination on the matter covered in the courses of the first two years is required of all Catholic students at the close of the Sophomore year.

Fr. Leimkuhler  
Two Credit Hours

Rel. 303.  **Reconstruction of the Social Order.**
Two class periods a week.

Fr. Leimkuhler  
Two Credit Hours

Rel. 304.  **Atheistic Communism.**
Two class periods a week.

Fr. Leimkuhler  
Two Credit Hours

SECRETARIAL STUDIES (Sec.)

Miss Miller, Head

Bro. Westbrook  
Mr. Kinder

Sec. 101-102.  **Elementary Shorthand.**
Five class periods a week.

Miss Miller  
Six Credit Hours

Sec. 103-104.  **Elementary Typing.**
Five class periods a week.

Miss Miller  
Four Credit Hours

Sec. 105-106.  **Secretarial Accounting.**
Three class periods and one laboratory period a week.

Mr. Kinder  
Six Credit Hours

Sec. 201-202.  **Advanced Shorthand.**
Five class periods a week.

Miss Miller  
Six Credit Hours

Sec. 203-204.  **Advanced Typing.**
Four class periods a week.

Mr. Kinder  
Four Credit Hours

Sec. 205.  **Secretarial Theory.**
Five class periods a week.

Miss Miller  
Two Credit Hours

Sec. 301.  **Teaching of Commercial Subjects.**
Two class periods a week.

Miss Miller  
Two Credit Hours

Sec. 302-303.  **Dictation and Transcription.**
Three class periods a week.

Miss Miller  
Four Credit Hours
Sec. 401. Office Management.
Two class periods a week.

Sec. 410. Office Work.
Actual experience of at least sixty clock hours in office work is offered in this course. A schedule of periodical conferences with the instructor in charge is maintained. Prerequisite: Consent of the instructor.

Sociology (Soc.)
Mr. Huth, Acting Head

The purpose of the Department of Sociology is to provide opportunity for the analysis and understanding of society and social problems. A program of courses is given which enables students majoring in sociology to secure a broad liberal background for later professional courses in law, medicine, social work, or graduate work in sociology.

This department offers a series of courses designed to meet the needs of those who wish to qualify for a certificate in: Introduction To Social Welfare Service. It is now generally accepted that adequate professional training for social work calls for at least one and preferably two years of graduate study. But many positions in the field are open to college graduates, and persons who have completed a preprofessional undergraduate course of study are reasonably equipped to fill them. Sociology, economics, political science, and psychology provide the main scientific foundations upon which education for social work is based.

Undergraduates, who choose sociology as a major subject, are required to earn at least twenty-four credit hours including the pro-seminar and seminar courses. Sociology 425 and 426, General Sociology, and Social Problems, Sociology 201 and 202, are prerequisites or corequisites for all advanced courses except by permission of the chairman of the department. A related minor may be selected from the Department of Economics, Education, History, Philosophy, Political Science, or Psychology.

Students, who take sociology for their minor or secondary subject, are required to complete twelve semester hours' work, in addition to Sociology 201, and 202.

Soc. 201. General Sociology.
Required of majors and minors in sociology. Three class periods a week.

Soc. 201N. General Sociology for Nurses.
One class period a week.

Required of majors and minors in sociology. Three class periods a week.

Soc. 301. Marriage and the Family.
Three class periods a week.

Soc. 302. Labor Problems.
Three class periods a week.

Three class periods a week.
Soc. 304. National and Racial Minorities. Three class periods a week. THREE CREDIT HOURS

Soc. 307. Criminology. Two class periods a week. TWO CREDIT HOURS

Soc. 309. Urban Sociology. Three class periods a week. THREE CREDIT HOURS

Soc. 310. Rural Sociology. Three class periods a week. THREE CREDIT HOURS

Soc. 313. Juvenile Delinquency. Two class periods a week. TWO CREDIT HOURS

Soc. 401. Social Research. Two class periods a week. TWO CREDIT HOURS

Soc. 402. Principles of Social Case Work. Three class periods a week. THREE CREDIT HOURS

Soc. 404. Social Institutions. Three class periods a week. THREE CREDIT HOURS

Soc. 407. Collective Behavior. Three class periods a week. THREE CREDIT HOURS

Soc. 416. Social Disorganization. Two class periods a week. TWO CREDIT HOURS

Soc. 423. Social Welfare Organization. Three class periods a week. THREE CREDIT HOURS

Soc. 424. Social Welfare Administration. Three class periods a week. THREE CREDIT HOURS

Soc. 425. Pro-Seminar. Required of majors in sociology. One class period a week. ONE CREDIT HOUR

Soc. 426. Seminar. One class period a week. ONE CREDIT HOUR

Soc. 428. Post War Social Problems. Three class periods a week. THREE CREDIT HOURS

Soc. 429. Local Community Organizations. Three class periods a week. THREE CREDIT HOURS

Soc. 430. Social Group Work. Three class periods a week. THREE CREDIT HOURS
COLLEGE OF ENGINEERING

Department of Chemical Engineering
Department of Civil Engineering
Department of Electrical Engineering
Department of Mechanical Engineering
FACULTY

of the

COLLEGE OF ENGINEERING

WILLIAM J. BELLMER, S.M., B.S., M.A.
Head of Department and Professor of Mathematics.

CHARLES J. BELZ, S.M., B.S., B.C.E., M.C.E.
Head of Department and Professor of Civil Engineering.

MICHAEL A. BOBAL, S.M., B.S.
Instructor in Chemistry.

SGT. WILLIAM F. BURTON, U. S. Inf.
Assistant Instructor in Military Science and Tactics.

JOSEPH J. CHAMBERLAIN, JR., C.E., M.C.E.
Associate Professor of Civil Engineering.

REV. FLORIAN J. ENDERS, S.M., B.A.
Assistant Professor of Philosophy.

MAJ. WILFRED I. FREEL, B.C.E., M.C.E.
Head of Department and Professor of Military Science and Tactics.

Head of Department and Professor of Chemistry.

MICHAEL B. GRANDY, S.M., B.S., M.S., Ph.D.
Professor of Physics.

AUSTIN J. HOLIAN, S.M., B.S., M.S.E.E.
Assistant Dean and Instructor in Electrical Engineering.

EDWARD H. KNUST, S.M., B.S., M.Sc.
Professor of Mathematics.

REV. EDWIN M. LEIMKUHLER, S.M., B.A., M.A.
Head of Department and Professor of Religion.

FRANCIS PATZAK, S.M.
Head of Department and Associate Professor of Physics.

CYRIL G. PECKHAM, B.A., M.S.
Assistant Professor of Mathematics.

THOMAS J. PRICE, S.M., B.A., M.A.
Associate Professor of English.

LOUIS H. ROSE, S.M., B.S., M.Sc., B.E.E.
Acting Head of Department and Associate Professor of Electrical Engineering.
FRANCIS H. RUHLMAN, S.M., B.A., B.S., in L.S.  
Librarian.

LOUIS A. SALETEL, S.M., B.S., Ph.D.  
Head of the Department and Professor of Geology.

KENNETH C. SCHRAUT, B.A., M.A., Ph.D.  
Associate Professor of Mathematics.

ANDREW R. WEBER, S.M., B.S., B.M.E., M.M.E.  
Head of Department and Professor of Mechanical Engineering.

J. ALBERT WEHRLE, S.M., B.S., M.E.E., Ph.D.  
Professor of Electrical Engineering.

WILLIAM O. WEHRLE, S.M., B.A., M.A., Ph.D.  
Head of Department and Professor of English.

THOMAS H. WILLIAMS, B.S.  
Instructor in Civil Engineering.

WILLIAM J. WOHLLEBEN, S.M., B.S., M.Sc., Ph.D.  
Head of Department and Professor of Chemical Engineering.

VINCENT J. WOTTLE, S.M., B.S., M.Sc.  
Associate Professor of Chemistry.

GENERAL STATEMENT

The courses are prescribed throughout the four years. No effort is spared to acquaint the student thoroughly with fundamental principles and to give him a clear insight into the theoretical analysis of emergency problems. While emphasis is laid on fundamental theory, continued attention is paid to the solution of practical problems for the purpose of embedding principles and illustrating the lines of their general industrial application.

Lectures and recitations are accompanied by quantitative work in well equipped laboratories.

The contributions which the engineering profession has made during past decades have had a marked influence on the social, industrial, and economic interests of civilization. This effect has brought about a shifting emphasis in the various phases of engineering education, leading to a broader vision of these varied responsibilities, and preparing the engineer to take his place in bringing about a better adjustment of these technical advances to modern society.

REQUIREMENTS FOR ADMISSION

For admission to the Freshman Engineering Class students must present fifteen entrance units from the following prescribed and elective subjects:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRESCRIBED SUBJECTS</td>
<td>8</td>
</tr>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Algebra</td>
<td>1½</td>
</tr>
<tr>
<td>Geometry, Plane and Solid</td>
<td>1½</td>
</tr>
</tbody>
</table>
Physics or Chemistry........................................................................ 1
Social Science ........................................................................... 1

Note—Students lacking Solid Geometry may be admitted and be required to
earn credit in it during the first semester.

A student who enters with only one unit in algebra but has credit for solid
geometry and one-half unit of trigonometry, may be admitted with deficiency
in algebra. If he receives a passing grade in Math. 115, the deficiency in algebra
will be considered satisfied.

German is recommended for students who expect to study Chemical Engineering.

ELECTIVE SUBJECTS ................................................................. Units
English ..................................................................................... 1
Foreign Language ..................................................................... 2
Natural Science (Biology, Botany, Chemistry, General Science, Physiography,
Physics, Physiology, Zoology), in each subject............................. 1 or 1½
Social Science (History, Civics, Economics, Sociology), in each............ 1 or 1½
Vocational Work (Drawing*, Manual Training, Shop Work, Commercial
subjects) not more than.......................................................... 2

*Mechanical drawing and machine drawing, if equivalent in quality and quantity
to the freshman engineering drawing, may be considered as fulfilling the
requirement of the freshman year.

The following students will be admitted without examination:

a) Graduates from accredited high schools and preparatory schools if they
have all the required units and are not in the lower third of the high
school class.

The following schools shall be considered as accredited: Those classed as
Grade A in the State of Ohio, or accredited by the North Central Association
or by other similar associations or accredited by their own State
Universities.

b) Graduates from non-accredited high schools and secondary schools if they
have all the required units and are in the upper third of the high school
class.

c) Those that have New York Regents or College Entrance Board credits in
required subjects with a grade of 75% or better.

All Freshmen are required to take, during Freshman Week, certain objective
examinations. These include intelligence tests, placement tests in mathematics and
English, and high school achievement tests.

GRADUES AND SCHOLARSHIPS

Grades are based on daily work, tests, mid-semester and semester examinations.
Class periods are of fifty minutes duration; laboratory periods, from two to three
hours.

The official marks with their meanings and quality point value are as follows:
A—Excellent ................................................................. 4 quality points*
B—Good ......................................................................... 3 quality points*
C—Fair .............................................................................. 2 quality points*
D—Poor .................................................................1 quality point*
WP—Withdraw, Passing .........................................0 quality point
WF—Withdraw, Failure ............................................0 quality point
F—Failed ..................................................................0 quality point
I—Incomplete ...........................................................0 quality point

*For each credit allowed for the course.

A grade of I may be given at the discretion of the instructor to any student who, for reasons beyond his control, has not completed some portion of the work of the term, provided that the rest of the work has been of satisfactory grade. The I must be removed within four weeks from the close of the semester, or be changed to an F.

The credit hours of each course denote the number of class periods and laboratory periods devoted to the course each week during one semester. The grades of A, B, C, and D entitle the student to four, three, two and one quality points, respectively, for each credit hour. The quality point average is found by dividing the total number of quality points obtained by the total number of credit hours carried by the student.

A student whose quality point average for any semester is below 1.5 shall ordinarily be suspended from the College of Engineering. He may secure permission from the Dean to repeat the semester corresponding to the one in which he failed, but he must pursue the courses for which his grade was below C. If the student, after repeating the semester, again falls below 1.5, he may be advised to withdraw from the College of Engineering.

A student is placed on probation when his semester report is unsatisfactory, that is, when the quality point average is below 2.0. If, after being placed on probation for any two semesters, he again has an unsatisfactory report, he may be required to withdraw from the College of Engineering.

An F indicates failure in a course due to poor scholastic work, or to absence without justification from ten percent of the required class and laboratory periods. This course must be repeated at the next opportunity.

A student desiring to do summer session work should confer with the Dean. Credit for such work is not accepted in some cases.

DEGREES

The degrees—Bachelor of Chemical, Civil, Electrical, and Mechanical Engineering—are conferred at commencement if the following requirements have been fulfilled:

1) All prescribed courses outlined in the respective curricula must have been passed with a grade D or better;

2) The cumulative quality point average must be at least 2.0;

3) The student must have attended the College of Engineering in the University of Dayton during his senior year, and have carried at least thirty credit hours;

4) The student must not be obligated to the University financially.

Degrees "With Honors" are awarded to students who have earned a cumulative quality point average of 3.5 for the first seven semesters.
# Freshman Curriculum for Chemical, Civil, Electrical, and Mechanical Engineering

<table>
<thead>
<tr>
<th>Course</th>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rel. 103-104 Life of Christ I and II, or</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Phil. 103-104 Character Formation</td>
<td>1 1/2</td>
<td>0</td>
</tr>
<tr>
<td>Mil. 101-102 First Basic</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>Math. 115-116 Unified Mathematics</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>Chem. 103-104 Inorganic Chemistry</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Eng. 106 English Composition</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Phe. 101-102 Physical Educ.</td>
<td>0</td>
<td>1/2</td>
</tr>
<tr>
<td>Phe. 103 Health</td>
<td>—</td>
<td>1/2</td>
</tr>
<tr>
<td>G.E. 102 Descriptive Geometry</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Phys. 201 Physics</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>15 1/2</td>
<td>5</td>
</tr>
</tbody>
</table>

## Chemical Engineering

The course of Chemical Engineering has for its main objective the training of men for technical and executive positions in the chemical industries.

The various phases of general and analytical chemistry are studied coordinately with mathematics, physics, and mechanics; these studies constitute a basis for the topics of the last two years which are devoted more specifically to problems of chemical engineering equipment, control, and design. The flow of fluids, thermodynamic theory of unit operations, and analytical control are studied in the third and fourth years. Cooperatively with the Departments of Civil, Mechanical and Electrical Engineering, the subjects of heat-power, metallurgy, materials testing, and the principles of electrical engineering are offered and prescribed. Courses in economics, contracts and specifications, and ethics are intended to round out the whole plan of training, allowing for a choice of electives in the senior year.

# Curriculum Leading to Bachelor of Chemical Engineering

## Freshman Year

(See page 113)

## Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
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## CHEMICAL ENGINEERING (Ch.E.)

**Bro. Wohlleben, Head**

- **Ch. E. 302. Chemical Engineering Calculations.**
  - Prerequisite: Junior standing. Two class periods a week.
  - **TWO CREDIT HOURS**

- **Ch. E. 401-402. Industrial Chemistry.**
  - Prerequisite: Junior standing. Three class periods a week.
  - **SIX CREDIT HOURS**

- **Ch. E. 403. Technical Analysis.**
  - Prerequisites: Chem. 203-204, 303-304, 305-306. Three laboratory periods a week.
  - **THREE CREDIT HOURS**

- **Ch. E. 405-406. Unit Operations.**
  - Prerequisites: Chem. 303-304, 305-306, and M.E. 301a. Three class periods a week.
  - **SIX CREDIT HOURS**

- **Ch. E. 407. Plant Inspection Visits.**
  - **Staff**

- **Ch. E. 408. Plant Design.**
  - One class period a week.
  - **ONE CREDIT HOUR**
CIVIL ENGINEERING

The curriculum is designed to give a thorough education in the principles fundamental to the civil engineering profession, so that the student is prepared to pursue to advantage any field of civil engineering practice.

During the first two years, emphasis is placed on those subjects underlying all engineering—English, mathematics, chemistry, physics, drawing, surveying. The third and fourth years are devoted principally to technical subjects relative to hydraulic, sanitary, structural and highway engineering. Courses in religion, character formation, accounting and economics serve to broaden the education of the engineering student.

Engineering projects, completed or under construction, are visited under the guidance of the instructors. Close association is maintained with the Dayton Section of the American Society of Civil Engineers and the Dayton Chapter of the National Society of Professional Engineers.

CURRICULUM LEADING TO BACHELOR OF CIVIL ENGINEERING

FRESHMAN YEAR
(See page 113)

SOPHOMORE YEAR

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# UNIVERSITY OF DAYTON

## JUNIOR YEAR

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†Subjects thus marked, alternate.
*Subjects thus marked, alternate.

# CIVIL ENGINEERING (C.E.)

Mr. Williams

Mr. Chamberlain

**C. E. 201. **ELEMENTARY SURVEYING.
Prerequisite: Math. 115. Two class periods and one field period a week.
THREE CREDIT HOURS

**C. E. 202. **ELEMENTARY SURVEYING.
Prerequisite: C. E. 201. Two class periods and one field period a week.
THREE CREDIT HOURS
C. E. 301. Route Surveying.
Prerequisite: C. E. 201-202. Three class periods and one field period a week.
FOUR CREDIT HOURS

C. E. 302. Advanced Surveying.
Prerequisite: C. E. 201-202. Two class periods and one field period a week.
THREE CREDIT HOURS

Prerequisite: G. E. 303. Five class periods a week.
FIVE CREDIT HOURS

C. E. 401-402. Structural Design.
Prerequisite: C. E. 306. Two class periods and two laboratory periods a week.
EIGHT CREDIT HOURS

C. E. 403. Sanitary Engineering.
Prerequisite: G. E. 308. Two class periods and one laboratory period a week.
THREE CREDIT HOURS

Prerequisite: G. E. 308. Three class periods and one laboratory period a week.
THREE CREDIT HOURS

C. E. 405. Highway Engineering.
Prerequisite: C. E. 202; corequisite: C. E. 409. Two class periods a week.
FOUR CREDIT HOURS

Prerequisite: C. E. 401. Three class periods a week.
THREE CREDIT HOURS

C. E. 407. Reinforced Concrete.
Prerequisite: G. E. 303. Four class periods a week.
FOUR CREDIT HOURS

C. E. 408. Seminar.
One class period every two weeks for six semesters.
ONE CREDIT HOUR

C. E. 409. Laboratory.
Corequisite: C. E. 405. One laboratory and one class period a week.
TWO CREDIT HOURS

ELECTRICAL ENGINEERING

The course in Electrical Engineering aims to give a broad knowledge of the theory of electricity and its application in industry.

The theoretical work is closely linked with an extended course in laboratory exercises. General physical measurements are first taken up, followed by general testing, and electrical engineering where distinct engineering problems are encountered.

The various laboratories are adequately equipped and accessible to the students at all times.

Dayton, as the home of many electrical and mechanical industries of worldwide reputation, along with its modern power plant and substations, affords the student frequent opportunities for visits of inspection whereby he may observe at close range the latest engineering applications.
## UNIVERSITY OF DAYTON

### CURRICULUM LEADING TO BACHELOR OF ELECTRICAL ENGINEERING

#### FRESHMAN YEAR

(See page 113)

##### SOPHOMORE YEAR

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Total Credit Hours: 17
ELECTRICAL ENGINEERING (E.E.)

Bro. Rose, Acting Head

Bro. A. Wehrle

E. E. 202. ELEMENTS OF ELECTRICAL ENGINEERING.
Corequisite: Physics 207. Three class periods and one laboratory period a week.
FOUR CREDIT HOURS

E. E. 301-302. ELECTRICAL ENGINEERING.
For students of Chemical, Civil, and Mechanical Engineering.
Prerequisite: Physics 207. Two class periods and one laboratory period a week.
SIX CREDIT HOURS

E. E. 303-304. ELECTRICAL MEASUREMENTS.
Prerequisite: E. E. 202. Two class periods and one laboratory period a week.
SIX CREDIT HOURS

E. E. 305. ALTERNATING CURRENT CIRCUITS.
Prerequisite: E. E. 202. Three class periods and one problem period a week.
FOUR CREDIT HOURS

E. E. 307. DIRECT CURRENT MACHINES.
Prerequisite: E. E. 202. Three class periods and one laboratory period a week.
FOUR CREDIT HOURS

E. E. 308. COMMUNICATION CIRCUIT ANALYSIS.
Prerequisite: E. E. 305. Three class periods and one laboratory period a week.
FOUR CREDIT HOURS

E. E. 312. ENGINEERING ELECTRONICS.
Prerequisite: E. E. 305. Three class periods and one laboratory period a week.
FOUR CREDIT HOURS

E. E. 401-402. ALTERNATING CURRENT MACHINERY.
Prerequisite: E. E. 305. Three class periods and one laboratory period a week.
EIGHT CREDIT HOURS

E. E. 404. RADIO ENGINEERING.
Prerequisite: E. E. 312. Three lecture periods and one laboratory period a week.
FOUR CREDIT HOURS

E. E. 405-406. ELECTRICAL DESIGN.
Prerequisite: E. E. 307. Corequisite: E. E. 401. Two class periods and one design period a week.
SIX CREDIT HOURS

E. E. 407. ILLUMINATING ENGINEERING.
Prerequisite: E. E. 202. Three class periods a week.
THREE CREDIT HOURS

E. E. 409. INDUSTRIAL ELECTRONICS.
Prerequisite: E. E. 312. Three lecture periods a week.
THREE CREDIT HOURS
MECHANICAL ENGINEERING

The curriculum of Mechanical Engineering is designed to give the student knowledge of the fundamental principles of science and the application of these principles to pertinent problems.

The basic studies in mathematics and the sciences are pursued in the first two years and the departmental subjects are taken up in the last two years. Mechanism, however, is given in the sophomore year.

The course of studies comprises lectures, recitations and discussions, laboratory practice, and inspection visits. In the descriptions of the various subjects as presented by this Department it is to be understood that the subject matter outlined is rather suggestive than inclusive.

Every attempt is made to impress the student with the responsibilities that rest upon the Mechanical Engineer in the active field, whether engaged as designer, builder, operator, organizer, manager, administrative, or executive.

CURRICULUM LEADING TO BACHELOR OF MECHANICAL ENGINEERING

FRESHMAN YEAR

(See page 113)

SOPHOMORE YEAR

| Rel. | 203-204 | Christian Marriage and Current Problems in Religion, or |
| Phil. | 203-204 | Philosophy of Living ................................ 2 0 2 0 |
| Mil. | 201-202 | Second Basic ........................................ 1 0 1 0 |
| Math. | 201-202 | Calculus ........................................... 4 0 4 0 |
| Phys. | 207-208 | Physics ............................................ 3 1 3 1 |
| C. E. | 201 | Surveying ......................................... 2 1 .... 1 |
| Eng. | 223 | Literature .......................................... 3 0 .... 0 |
| G. E. | 202 | Statics ........................................... .... 3 0 |
| M. E. | 202 | Mechanism .......................................... .... 1 1 |
| M. E. | 206 | Tool Engineering .................................. .... 1 1 |
| Eng. | 171 | Public Speaking .................................... 3 0 .... 0 |

Total Credit Hours .................................. 18 2 15 3
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### SENIOR YEAR

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### MECHANICAL ENGINEERING (M.E.)

Bro. Weber, Head

**M. E. 202. MECHANISM.**
Corequisites: Math. 201, Phys. 206. One class period and one laboratory period a week. **TWO CREDIT HOURS**

**M. E. 206-307. TOOL ENGINEERING.**
One class period and one design period a week. **FOUR CREDIT HOURS**

**M. E. 301-302. THERMODYNAMICS.**
Prerequisites: Physics and Calculus. Three class periods a week. **SIX CREDIT HOURS**

**M. E. 301a. THERMODYNAMICS. (For non-Mechanicals)**
Prerequisites: Physics and Calculus. Three class periods a week. **THREE CREDIT HOURS**

**M. E. 304. HEAT POWER.**
Prerequisite: M. E. 301. Three class periods and one laboratory period a week. **FOUR CREDIT HOURS**
M. E. 305-306. **Mechanical Engineering Laboratory I.**
Two laboratory periods a week. FOUR CREDIT HOURS

M. E. 308. **Fluid Mechanics.**
Three class periods a week. THREE CREDIT HOURS

M. E. 401-402. **Internal Combustion Engines.**
Prerequisite: M. E. 301-302. Three class periods a week. SIX CREDIT HOURS

M. E. 403. **Heating and Air Conditioning.**
Prerequisite: M. E. 301. Two class periods and two laboratory periods a week. FOUR CREDIT HOURS

M. E. 405-406. **Mechanical Engineering Laboratory II.**
Prerequisite: M. E. 305-306. Two laboratory periods a week. FOUR CREDIT HOURS

M. E. 407-408. **Machine Design.**
Prerequisites: G. E. 202 and 301. One class period and one design period a week. FOUR CREDIT HOURS

M. E. 409. **Advanced Kinematics and Kinetics of Machines.**
Prerequisite: Senior standing. Two class periods a week. TWO CREDIT HOURS

M. E. 412. **Metallurgy.**
Two class periods and one laboratory period a week. THREE CREDIT HOURS

M. E. 414. **Seminar.**
One class period a week. ONE CREDIT HOUR

M. E. 415. **Inspection Trips.**

M. E. 416. **Vibrations in Mechanisms.**
Prerequisite: Senior standing. Two class periods and one laboratory period a week. THREE CREDIT HOURS

**GENERAL ENGINEERING (G.E.)**

Mr. Chamberlain

G. E. 101. **Engineering Drawing.**
Two drawing periods a week. THREE CREDIT HOURS

G. E. 102. **Descriptive Geometry.**
Two drawing periods a week. THREE CREDIT HOURS

G. E. 105. **Engineering Survey.**
One class period a week. ONE CREDIT HOUR

G. E. 202. **Statics.**
Prerequisites: Math. 201, Physics 206. Three class periods a week. THREE CREDIT HOURS
**COLLEGE OF ENGINEERING**

**G. E. 301. DYNAMICS.**  
Prerequisite: G. E. 202. Three class periods a week.  
**THREE CREDIT HOURS**

**G. E. 303. STRENGTH OF MATERIALS.**  
Prerequisite: G. E. 202. Three class periods a week.  
**THREE CREDIT HOURS**

**G. E. 304. STRENGTH OF MATERIALS.**  
Prerequisite: G. E. 303. Three class periods a week.  
**THREE CREDIT HOURS**

**G. E. 305. MATERIALS TESTING.**  
Corequisite: G. E. 303. One laboratory period a week.  
**ONE CREDIT HOUR**

**G. E. 308. HYDRAULICS.**  
Prerequisite: G. E. 202. Three class periods and one problem period a week.  
**FOUR CREDIT HOURS**

**G. E. 402. CONTRACTS AND SPECIFICATIONS.**  
Two class periods a week.  
**TWO CREDIT HOURS**

### NON-TECHNICAL ELECTIVES FOR JUNIORS AND SENIORS

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### TECHNICAL ELECTIVES FOR JUNIORS AND SENIORS

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Seniors are strongly advised to elect Economics and Accounting.
EVENING SCHOOL CERTIFICATE CURRICULA

NATURE

The certificate (terminal) curricula outlined in the following pages do not represent a radical departure from the University's policies. Rather they are a convenient grouping of courses intended primarily to guide the student to the completion of a useful sequence of studies within a reasonable period of time. All courses in these curricula are given on a college level and credit earned in them may be applied toward a degree, if so desired.

AIMS

Some of the curricula offered below are a direct outgrowth of the needs of Dayton industry as demonstrated in the operation of the government-sponsored programs during the war. The University served the government and local industry well and efficiently while those programs were functioning; and it is desirous to continue these services and to expand them to all phases of the community's life. It is with this purpose in mind, to serve the community by placing its facilities at the disposal of all, that the University inaugurates the certificate curricula.

TIME

Each curriculum or series of courses can be covered in either a two-year or three-year period by spending two or three evenings per week in class. It is possible, of course, to complete some of the curricula in less time than that outlined by attending classes oftener than twice a week. Each course is offered once or twice a week from 7:00 - 9:45 p.m. and continues over a period of 16 weeks.

CERTIFICATION

Upon the satisfactory completion of any one of the curricula outlined, the student will receive an appropriate certificate to indicate the fact. In the case of students who have earned some credit in their chosen curriculum from other institutions, an evaluation of such credit will be made and the results may be applied towards a certificate. However, at least 15 credit hours must be earned in residence at the University of Dayton.

ADDITIONAL CURRICULA

For the inauguration of the certificate program, the University has set up twelve distinct curricula for which a certain demand has been expressed. As time progresses and as other needs become known, additional curricula will be added and publicized so as to serve as many as possible of the interested groups in the city of Dayton. These new curricula may be set up and put into operation whenever there is a sufficient demand. In this respect, also, the experience gained in the government-sponsored courses of the past few years will be fully utilized.
OUTLINE OF CERTIFICATE CURRICULA

The sequence suggested in each of the following outlines is, in many cases, merely a desirable one. If the student should find it convenient or advisable to deviate from the order given, this may readily be done after consultation with the dean.

TUITION AND FEES FOR CERTIFICATE CURRICULA

Matriculation fee for other than full-time students...........................................$5.00
Registration fee ........................................................................................................1.00
Tuition fee, per credit hour .......................................................................................8.00
(Laboratory fees are assessed according to subject.)
Late registration .........................................................................................................1.00
(No registration will be permitted after the second class meeting of any course.)
Formal Certification .................................................................................................5.00
(Upon completion of a curriculum)

BASIC BUSINESS

Basic Business stresses the fundamental practices in the business field. Although Basic Business may be an end in itself, it is primarily a foundation for later phases of business enterprises, such as merchandizing, finance and banking, insurance, etc. In itself, Basic Business is invaluable for office managers and allied positions.

FIRST YEAR
FIRST SEMESTER

Subjects | Cr. Hours
--- | ---
Acct. 101 | Elementary Accounting I 3
Eco. 201 | Principles of Economics 3

SECOND SEMESTER

Subjects | Cr. Hours
--- | ---
Acct. 102 | Elementary Accounting II and/or 3
Eng. 171 | Public Speaking I 3
Bus. 301 | Business Finance 3

SECOND YEAR
FIRST SEMESTER

Subjects | Cr. Hours
--- | ---
Bus. 306 | Principles of Marketing 3
Bus. 302 | Business Law I 3

SECOND SEMESTER

Subjects | Cr. Hours
--- | ---
Bus. 316 | Industrial Management 3
Bus. 303 | Business Law II and/or 3
Psych. 201 | Introductory Psychology 3
BASIC PRACTICAL ACCOUNTING

Basic Practical Accounting is designed to provide the fundamentals of accounting in modern business and industry. While the stress is placed on accounting, related subjects are included to offer a varied background in business practices. The program is outlined for a three-year period, with two courses a week. This schedule may be increased or decreased at the student's discretion. In general, there is no required order for the courses.

FIRST YEAR

FIRST SEMESTER

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THIRD YEAR

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<tr>
<td>Bus.</td>
<td>413</td>
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</table>
PERSONNEL AND/OR INDUSTRIAL RELATIONS

This program covers the broader aspects of both Personnel Administration and Industrial Relations. No attempt has been made to produce a highly specialized field of study. The selection of courses offers a varied background to both Personnel Directors, and those engaged or interested in, industrial relations work.

FIRST YEAR

FIRST SEMESTER

<table>
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<tr>
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<td>Eng. 171</td>
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<td>Bus. 320</td>
<td>Motion and Time Study and/or</td>
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<td>Bus. 302</td>
<td>Business Law I</td>
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SECOND SEMESTER

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<td>Safety and Accident Prevention</td>
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<td>Bus. 409</td>
<td>Business Statistics and/or</td>
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<td>Eco. 305</td>
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THIRD YEAR

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<td>Job Evaluation and Wage Administration</td>
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<td>Psych. 422</td>
<td>Personnel Selection and/or</td>
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<td>Eco. 418</td>
<td>Adjustment of Labor Disputes</td>
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SECOND SEMESTER

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<td>Personnel Counseling and/or</td>
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<tr>
<td>Bus. 412</td>
<td>Contract Negotiations</td>
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<tr>
<td>Psych. 403</td>
<td>Psychology Applied to Personnel Problems and/or</td>
</tr>
<tr>
<td>Eco. 419</td>
<td>Labor Trends and Relations</td>
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ADVANCED PRACTICAL ACCOUNTING

Advanced Practical Accounting builds upon a background of basic accounting courses. Emphasis is placed upon cost accounting, cost control, and auditing. The practical accountant should understand office procedures and shop practices and be able to cooperate with the Engineering and Production Departments. For this reason, allied courses in management have been included.

FIRST YEAR
FIRST SEMESTER

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SECOND SEMESTER

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SECOND YEAR
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INDUSTRIAL NURSING

The curriculum in Industrial Nursing is designed to fill a specific need for all nurses engaged in industry. It will further their education by making available credits that may be applied towards a degree and will increase their efficiency in handling the individuals who come under their care. Lectures and demonstrations by recognized authorities in specific fields will be provided.

FIRST YEAR
FIRST SEMESTER

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<td>Industrial Anatomy and Safety</td>
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<tr>
<td>Psych. 305c</td>
<td>Mental Hygiene and Rehabilitation</td>
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INTRODUCTION TO SOCIAL WELFARE SERVICE

This series of courses is designed to introduce the student to the nature of social welfare work, to explain the basic principles of the social services, and to prepare him to engage in the profession of social work. As a result of twentieth century social, economic, and political events, there has been a tremendous expansion of local, state, and federal activity in the social work field. Most of the new functions seem likely to remain as a permanent part of the future public welfare policy of this country, and will open up continuing opportunities in social service. There has never been an adequate supply of social workers. Many more must be recruited to prepare for the postwar era of reconversion and peace.

FIRST YEAR
FIRST SEMESTER

Subjects  Cr. Hours
Psych. 201 Introductory Psychology 3
Soc. 201 General Sociology 3

SECOND SEMESTER

Subjects  Cr. Hours
Psych. 302 Elementary Social Statistics 3
Soc. 202 Social Problems 3
UNIVERSITY OF DAYTON

SECOND YEAR
FIRST SEMESTER

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THIRD YEAR
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<td>Soc.</td>
<td>424 Social Welfare Administration</td>
</tr>
</tbody>
</table>

LABORATORY TECHNICIAN

The laboratory technician course is designed to train personnel for work in analytical, material testing and research laboratories where there is a need for people who can perform work outlined by the chief chemist or supervisor. The knowledge gained in general and organic chemistry courses would also prove valuable in product and process development laboratories where materials such as plastics, rubber, and metal are fabricated. The prospective student should also note that this curriculum can be used to fill some of the requisites for a degree in chemistry.

FIRST YEAR

<table>
<thead>
<tr>
<th>Subjects</th>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hrs. per wk.</td>
<td>Hrs. per wk.</td>
</tr>
<tr>
<td>Math. 101</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Chem. 103</td>
<td>General Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>Math. 102</td>
<td>Trigonometry</td>
<td>...</td>
</tr>
<tr>
<td>Chem. 104</td>
<td>General Inorganic (qualitative) Chemistry</td>
<td>...</td>
</tr>
</tbody>
</table>

SECOND YEAR

<table>
<thead>
<tr>
<th>Subjects</th>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hrs. per wk.</td>
<td>Hrs. per wk.</td>
</tr>
<tr>
<td>Chem. 201</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>Phys. 206</td>
<td>General College Physics I (Mechanics and Sound)</td>
<td>3</td>
</tr>
<tr>
<td>Chem. 202</td>
<td>Organic Chemistry II</td>
<td>...</td>
</tr>
<tr>
<td>Phys. 207</td>
<td>General College Physics II (Electricity and Magnetism)</td>
<td>...</td>
</tr>
</tbody>
</table>
The Guidance Counseling curriculum consists of a three-year sequence of courses for parents, teachers, children’s welfare workers, and others concerned with the problems of today’s children. The courses listed below are given on a college level and may be applied towards the requirements for a degree.

**FIRST YEAR**
**FIRST SEMESTER**

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psych.</td>
<td>201 Introductory Psychology</td>
</tr>
<tr>
<td>Eng.</td>
<td>171 Public Speaking</td>
</tr>
</tbody>
</table>

**SECOND SEMESTER**

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
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</thead>
<tbody>
<tr>
<td>Psych.</td>
<td>315 Personality Development in Childhood and Adolescence</td>
</tr>
<tr>
<td>Soc.</td>
<td>313 Juvenile Delinquency</td>
</tr>
</tbody>
</table>

**SECOND YEAR**
**FIRST SEMESTER**

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psych.</td>
<td>305 Mental Hygiene</td>
</tr>
<tr>
<td>Educ.</td>
<td>510 Principles of Guidance</td>
</tr>
</tbody>
</table>

**SECOND SEMESTER**

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educ.</td>
<td>435 Counseling Methods and Techniques</td>
</tr>
<tr>
<td>Psych.</td>
<td>450 Psychology of Individual Differences</td>
</tr>
</tbody>
</table>

**THIRD YEAR**
**FIRST SEMESTER**

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educ.</td>
<td>424 Tests and Measurements</td>
</tr>
<tr>
<td>Soc.</td>
<td>429 Community Organizations and Resources</td>
</tr>
</tbody>
</table>

**SECOND SEMESTER**

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educ.</td>
<td>402 Diagnostic and Corrective Instruction</td>
</tr>
<tr>
<td>Educ.</td>
<td>437 Child Study and Parent Education</td>
</tr>
</tbody>
</table>
THE UNITED STATES AND THE MODERN WORLD

A politico-historical curriculum designed to give the student a solid background of history and political science that will enable him to understand and follow intelligently the world events of today. There is a fine coverage of modern history with its essential background and a solid grounding in political fundamentals and theory.

FIRST YEAR
FIRST SEMESTER

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hist. 311 History of the United States to 1865</td>
<td>3</td>
</tr>
<tr>
<td>Eng. 171 Public Speaking</td>
<td>3</td>
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</table>

SECOND SEMESTER

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
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</thead>
<tbody>
<tr>
<td>Hist. 312 History of the United States since 1865</td>
<td>3</td>
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<tr>
<td>Phil. 302 Logic</td>
<td>3</td>
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</table>

SECOND YEAR
FIRST SEMESTER

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pol. 412 United States Constitutional History</td>
<td>3</td>
</tr>
<tr>
<td>Pol. 201 American Government—National</td>
<td>3</td>
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</tbody>
</table>

SECOND SEMESTER

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hist. 202 Modern Europe Since the French Revolution</td>
<td>3</td>
</tr>
<tr>
<td>Hist. 421 Far East</td>
<td>3</td>
</tr>
</tbody>
</table>

THIRD YEAR
FIRST SEMESTER

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eco. 201 Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>Pol. 415 Pan-American Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

SECOND SEMESTER

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cr. Hours</th>
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</thead>
<tbody>
<tr>
<td>Pol. 306 International Law and Relations</td>
<td>3</td>
</tr>
<tr>
<td>Pol. 424 Political Theory</td>
<td>3</td>
</tr>
</tbody>
</table>

TOOL DESIGN

This introductory course in Tool Design is planned to give the student an elementary knowledge of the principles and materials used in the design of machine tools. It is not intended to train an expert tool designer, but rather to equip a person to profit readily by practical experience in tool work and develop more rapidly into an efficient tool designer.

Prerequisite: Working knowledge of Algebra and Trigonometry.
FIRST YEAR

<table>
<thead>
<tr>
<th></th>
<th>1st Semester</th>
<th>2nd Semester</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Hrs. per wk.</td>
<td>Hrs. per wk.</td>
</tr>
<tr>
<td></td>
<td>Lect.</td>
<td>Lab.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G. E.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>101 *Engineering Drawing</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>T. D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>102 *Engineering Tools and Processes</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>T. D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>103 Practical Mechanics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>T. D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>104 Mechanism</td>
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<td>1</td>
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</table>

SECOND YEAR

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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<tr>
<td></td>
<td>1st Semester</td>
<td>2nd Semester</td>
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<tr>
<td></td>
<td>Hrs. per wk.</td>
<td>Hrs. per wk.</td>
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<tr>
<td></td>
<td>Lect.</td>
<td>Lab.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T. D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>201 Tool Steel</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>T. D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>202 *Jigs and Fixtures</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>T. D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>203 Strength of Materials</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>T. D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>204 *Punches and Dies</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

(Credits for courses marked with an asterisk (*) are applicable to an engineering degree.)

ELECTRICAL TECHNICIAN

The recent trends in industry toward automatic devices and new types of electrical equipment requires of the electrician a greater technical knowledge of electrical phenomena. The Electrical Technician curriculum is designed to teach the electrical principles and mathematics essential to intelligent installation and maintenance of electrical equipment. The curriculum is also planned to meet the demand for personnel with technical training in electricity to assist or work under the supervision of engineers engaged in research and development.

Prerequisites: College Algebra and Trigonometry; College Physics. (These prerequisite courses are available at the University.)

FIRST YEAR

<table>
<thead>
<tr>
<th></th>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hrs. per wk.</td>
<td>Hrs. per wk.</td>
</tr>
<tr>
<td></td>
<td>Lect.</td>
<td>Lab.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E. T.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>201 *Direct Current Circuits and Apparatus</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>E. T.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>202 Electron Tubes and Applications</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>E. T.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>203 *Alternating Current Circuits and Apparatus</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>E. T.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>204 Wiring Codes and Practices, Blueprints and Calculations</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

SECOND YEAR

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1st Semester</td>
<td>2nd Semester</td>
</tr>
<tr>
<td></td>
<td>Hrs. per wk.</td>
<td>Hrs. per wk.</td>
</tr>
<tr>
<td></td>
<td>Lect.</td>
<td>Lab.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E. T.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>301 *Direct Current Measurements</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>E. T.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>302 Electrical Power Control</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>E. T.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>303 *Alternating Current Measurements</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>E. T.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>304 Elementary Industrial Electronics</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

(Courses marked with an asterisk (*) carry credit which may be applied towards an electrical engineering degree.)
An outstanding development of the war is the great expansion of wireless communications in various forms: radio telephone, radio broadcast, television, radar, etc. The complex apparatus of communication is now as common as a household appliance. Manufacture, installation, and maintenance of radio and other electronic equipment is a "Big Business" with unlimited opportunities for those who have the technical knowledge. The Radio Technician curriculum is designed to teach the fundamental principles of electricity and radio essential to success in this field.

Prerequisites: College Algebra and Trigonometry; College Physics. (These prerequisite courses are available at the University.)

**FIRST YEAR**

<table>
<thead>
<tr>
<th>E.T.</th>
<th>201</th>
<th>*Direct Current Circuits and Apparatus</th>
<th>2</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>E.T.</td>
<td>202</td>
<td>Electron Tubes and Applications</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>E.T.</td>
<td>203</td>
<td>*Alternating Current Circuits and Apparatus</td>
<td>...</td>
<td>2</td>
</tr>
<tr>
<td>R.T.</td>
<td>201</td>
<td>Elementary Radio</td>
<td>...</td>
<td>2</td>
</tr>
</tbody>
</table>

**SECOND YEAR**

<table>
<thead>
<tr>
<th>E.T.</th>
<th>301</th>
<th>*Direct Current Measurements</th>
<th>2</th>
<th>2</th>
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</thead>
<tbody>
<tr>
<td>R.T.</td>
<td>302</td>
<td>Intermediate Radio</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>E.T.</td>
<td>303</td>
<td>*Alternating Current Measurements</td>
<td>...</td>
<td>2</td>
</tr>
<tr>
<td>R.T.</td>
<td>301</td>
<td>Advanced Radio and/or</td>
<td>...</td>
<td>2</td>
</tr>
<tr>
<td>E.T.</td>
<td>304</td>
<td>Elementary Industrial Electronics</td>
<td>...</td>
<td>2</td>
</tr>
</tbody>
</table>

(Courses marked with an asterisk (*) carry credit which may be applied towards an electrical engineering degree.)
GRADUATE DIVISION

Economics
Education
English
Philosophy
Political Science
Psychology
Sociology
GRADUATE DIVISION

In order to assist teachers and administrators in Dayton and the vicinity to meet the new certification requirements of the Department of Education of the State of Ohio, the University of Dayton established its graduate Division in the spring of 1939. At the present time graduate work toward the Master's degree may be done in seven fields, viz., economics, education, English, philosophy, political science, psychology and sociology.

As the Master's degree generally requires a minimum of thirty semester hours of credit, most teachers have been obliged to spend five successive summer sessions at out-of-town universities. The newly organized Graduate Division of the University of Dayton makes it possible for candidates to reduce this time considerably by registering for one or two courses each semester. In order to accommodate teachers in service all the graduate courses are scheduled for the late afternoon or evening, or Saturday morning.

In the summer sessions the graduate courses have been so distributed as to enable those, who cannot attend during the year, to satisfy all course requirements in four successive summers.

Graduate students who have begun their advanced work with a view to obtaining their degree elsewhere may, with the permission of their advisers, do part of their work at the University of Dayton, and thus reduce the amount of out-of-town work.

For further information apply for the Manual of the Graduate Division.

GRADUATE COUNCIL

REV. CHARLES L. COLLINS, S.M., Chairman
REV. EDMUND J. BAUMEISTER, S.M.
DANIEL L. LEARY
WILLIAM O. WEHRLE, S.M.

COMMITTEE ON ADMISSION TO GRADUATE STUDY

REV. CHARLES L. COLLINS, S.M., Chairman
REV. EDMUND J. BAUMEISTER, S.M.

FACULTY

REV. EDMUND J. BAUMEISTER, S.M., B.S., Ph.D.
Dean of the Graduate Division.
Professor of Education.

SISTER AGNES IMMACULATA, S.N.D., B.A., M.A.
Associate Professor of English.
ECONOMICS (Eco.)

Mr. O'Leary, Head

Eco. 508. CONTEMPORARY ECONOMICS.  
Three class periods a week.  
Mr. O'Leary  
THREE CREDIT HOURS

Eco. 511. ADVANCED PRINCIPLES OF ECONOMICS.  
Three class periods a week.  
Mr. O'Leary  
THREE CREDIT HOURS

Eco. 575. ECONOMIC SEMINAR.  
Three class periods a week.  
Mr. O'Leary  
THREE CREDIT HOURS

EDUCATION (Educ.)

Mr. O'Leary, Head

Fr. Baumeister

Educ. 501. RESEARCH FOR GRADUATE STUDENTS IN EDUCATION.  
Two class periods a week.  
Fr. Baumeister  
TWO CREDIT HOURS

Educ. 502. DIAGNOSIS AND REMEDIAL INSTRUCTION.  
Three class periods a week.  
Sr. Pelagia  
THREE CREDIT HOURS

Educ. 503. ADMINISTRATION I.  
Three class periods a week.  
Mr. Leary  
THREE CREDIT HOURS

Educ. 504. ADMINISTRATION II.  
Three class periods a week.  
Mr. Leary  
THREE CREDIT HOURS

Educ. 505. ADMINISTRATION III.  
Two class periods a week.  
Mr. Leary  
TWO CREDIT HOURS
   Three class periods a week.
   Mr. Leary
   THREE CREDIT HOURS

Educ. 508. Improvement of Teaching Through Supervision.
   Three class periods a week.
   Mr. Leary
   THREE CREDIT HOURS

   Three class periods a week.
   Sr. Pelagia
   THREE CREDIT HOURS

Educ. 511. Basic Course in Secondary Education I.
   Three class periods a week.
   Fr. Baumeister
   THREE CREDIT HOURS

Educ. 512. Basic Course in Secondary Education II.
   Three class periods a week.
   Fr. Baumeister
   THREE CREDIT HOURS

   Three class periods a week.
   Fr. Baumeister
   THREE CREDIT HOURS

Educ. 517. Comparative History of Secondary Education.
   Three class periods a week.
   Fr. Baumeister
   THREE CREDIT HOURS

Educ. 518. Seminar in Problems of Contemporary Education.
   Two class periods a week.
   Fr. Baumeister
   TWO CREDIT HOURS

Educ. 519. Evaluative Criteria.
   Two class periods a week.
   Fr. Baumeister
   TWO CREDIT HOURS

Educ. 521. The Philosophy of Education.
   Two class periods a week.
   Fr. Baumeister
   TWO CREDIT HOURS

   Three class periods a week.
   Mr. Leary
   THREE CREDIT HOURS

   Three class periods a week.
   THREE CREDIT HOURS

Educ. 526. The Philosophy of Christian Education.
   Two class periods a week.
   TWO CREDIT HOURS

   Two class periods a week.
   The Staff
   ONE TO THREE CREDIT HOURS

Educ. 528-529. Special Problems.
   One to three class periods a week.
   The Staff
   MAXIMUM OF FOUR CREDIT HOURS

   Three class periods a week.
   Sr. Pelagia
   THREE CREDIT HOURS


Educ. 540. The Psychology of Elementary School Subjects I.
   Three class periods a week.
   Sr. Pelagia
   THREE CREDIT HOURS

Educ. 541. The Psychology of Elementary School Subjects II.
   Three class periods a week.
   Sr. Pelagia
   THREE CREDIT HOURS
Educ. 542. **Character Education of Elementary School Children.**
Three class periods a week.

**Educ. 543. Classroom Provisions for Individual Differences.**
Three class periods a week.

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**ENGLISH (Eng.)**

Bro. W. Wehrle, Head

**Eng. 501. Research for Graduate Students in English.**
Two class periods a week.

**Eng. 502. Old English Grammar.**
Two class periods a week.

**Eng. 503. Old English Readings.**
Two class periods a week.

**Eng. 513. Shakespeare.**
Three class periods a week.

**Eng. 515. Romantic Literature.**
Three class periods a week.

**Eng. 516. Elizabethan and Jacobean Drama.**
Three class periods a week.

**Eng. 522. Edgar Allen Poe.**
Three class periods a week.

**Eng. 523. Victorian Literature.**
Three class periods a week.

**Eng. 530. History of the English Language.**
Three class periods a week.

**Eng. 533. The Novel.**
Three class periods a week.

---

**PHILOSOPHY (Phil.)**

Fr. Fritz, Head

**Phil. 521. Philosophy of Education.**
Two class periods a week.

**Phil. 526. Philosophy of Christian Education.**
Two class periods a week.

**Phil. 527. Current Trends in the Philosophy of American Education.**
Two class periods a week.
GRADUATE DIVISION

Phil. 531. PROBLEMS IN METAPHYSICS.
Two class periods a week.

Phil. 532. ADVANCED ETHICS.
Two class periods a week.

Phil. 533. ADVANCED LOGIC.
Two class periods a week.

Phil. 535. HISTORY OF PHILOSOPHY.
Two class periods a week.

Fr. Fritz
TWO CREDIT HOURS

POLITICAL SCIENCE (Pol.)

Pol. 508. AMERICAN FOREIGN POLICY.
Three class periods a week.

Pol. 510. PUBLIC ADMINISTRATION.
Three class periods a week.

Pol. 512. HISTORY AND LAW OF THE AMERICAN CONSTITUTION.
Three class periods a week.

Pol. 513. PHILOSOPHY OF THE STATE.
Three class periods a week.

Pol. 515. PAN AMERICANISM.
Three class periods a week.

Pol. 525. GOVERNMENT SEMINAR.
Two class periods a week.

THREE CREDIT HOURS

THREE CREDIT HOURS

THREE CREDIT HOURS

THREE CREDIT HOURS

THREE CREDIT HOURS

THREE CREDIT HOURS

PSYCHOLOGY (Psych.)

Fr. Collins

Psych. 502. MEASUREMENT OF HUMAN BEHAVIOR.
Three class periods a week.

Psych. 509. DIFFERENTIAL PSYCHOLOGY.
Three class periods a week.

Psych. 510. ADVANCED SYSTEMATIC PSYCHOLOGY.
Three class periods a week.

Psych. 511. PSYCHOLOGY OF EXCEPTIONAL CHILDREN.
Three class periods a week.

Psych. 512. THEORY AND APPLICATION OF PSYCHOLOGICAL MEASUREMENTS.
Three class periods a week.

Psych. 550. PSYCHOLOGY OF INDIVIDUAL DIFFERENCES.
Three class periods a week.

Psych. 552. PSYCHOLOGY OF PERSONALITY AND CHARACTER.
Three class periods a week.

Fr. Collins
THREE CREDIT HOURS

Fr. Collins
THREE CREDIT HOURS

Fr. Collins
THREE CREDIT HOURS

Fr. Collins
THREE CREDIT HOURS

Fr. Collins
THREE CREDIT HOURS

Fr. Collins
THREE CREDIT HOURS

Fr. Collins
THREE CREDIT HOURS

Fr. Collins
THREE CREDIT HOURS

Fr. Collins
THREE CREDIT HOURS

Fr. Collins
THREE CREDIT HOURS
### SOCIOLOGY (Soc.)

Mr. Huth, Acting Head

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>Soc. 501</td>
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<td>Soc. 530</td>
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REGISTER OF STUDENTS

DEGREES AWARDED

1944-1945
REGISTRER OF STUDENTS

DEGREES AWARDED
JUNE 3, 1945

BACHELOR OF ARTS

Rev. John Henry Antony ............................................ Cincinnati, Ohio
Katharine Elwin Angst ............................................. Dayton, Ohio
Leila Fern Channell ............................................... Dayton, Ohio
Susana May Dudley .................................................... Dayton, Ohio
Richard P. Kinn ..................................................... Fostoria, Ohio
Catherine Elizabeth Stich ....................................... Dayton, Ohio
Beverly C. Tompkins ............................................... Centerville, Ohio

BACHELOR OF MUSIC

Betty Jane Suman .................................................... Dayton, Ohio

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Edwin H. Collins .................................................... Dayton, Ohio
Gertrude Heinz Hickey ............................................ Dayton, Ohio
Shirley Annette Ruppert ......................................... Dayton, Ohio

BACHELOR OF SCIENCE

Edward L. Buescher ................................................. Cincinnati, Ohio
*Kathryn Betty Carlton ......................................... Osborn, Ohio
Margaret Regina Carroll ......................................... Xenia, Ohio
*Mary Joan Dodsworth ............................................. Dayton, Ohio
Mae Anna Driscoll .................................................. Dayton, Ohio
Mary Ann Grady ..................................................... Dayton, Ohio
Jerome T. Grismer .................................................... Dayton, Ohio
Francis Koon Wun Hong ........................................... Honolulu, T. H.

*George Joseph Igel .................................................. Columbus, Ohio
Mauvis C. Johnson ................................................... Dayton, Ohio
John A. Kelble ....................................................... Dayton, Ohio
Edmund C. K. Lum .................................................... Honolulu, T. H.
Mark Francis Moots .................................................... Canton, Ohio
Raymond Patrick Murphy ......................................... Chicago, Illinois
Louis J. Nutini ....................................................... Ft. Mitchell, Kentucky
Anne Elizabeth Pennell ............................................ Dayton, Ohio
James Alan Schuler .................................................. Marion, Ohio
Niall Martin Scully .................................................. Bloomington, Indiana
James Hiroyuki Tanaka ............................................. Rivers, Arizona
Arthur L. Ventura .................................................... Dayton, Ohio
Arthur Gee Hing Wong ............................................. Honolulu, T. H.
Richard A. Welsh ..................................................... Springfield, Ohio
Peter Luke Young, Jr. ................................................. Honolulu, T. H.

*Awarded the Alpha Sigma Tau Honor Key, signifying a cumulative point average for seven semesters of 3.5, based on 4.0
BACHELOR OF SCIENCE IN HOME ECONOMICS
Okla Leonhard Chenoweth........................................Dayton, Ohio
Elaine T. Whalen.................................................Dayton, Ohio

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY
Frances Lee Thornton...........................................Dayton, Ohio

BACHELOR OF SCIENCE IN NURSING EDUCATION
Ferne B. Reever.................................................Dayton, Ohio

BACHELOR OF SCIENCE IN EDUCATION
Martha E. Brumbaugh..........................................New Lebanon, Ohio
Elizabeth Choate..............................................Dayton, Ohio
Mary Ann Finke................................................Dayton, Ohio
Lillian Brandt Greenhoff.....................................Dayton, Ohio
Margaret Cosner Lewis.......................................Dayton, Ohio
Kathryn Burns MacCallum.....................................Dayton, Ohio
Ruth Dietze Modler...........................................Dayton, Ohio
Helen Louise Moenter.........................................Dayton, Ohio
Geneva May Moody.............................................Dayton, Ohio
Dolores Marie Savino.........................................Dayton, Ohio
Sr. Mary Avila Stangl, M.S.C.................................Reading, Pennsylvania
Jean M. Wright................................................Dayton, Ohio

BACHELOR OF CHEMICAL ENGINEERING
Joseph Theodore Brown.......................................Dayton, Ohio

BACHELOR OF MECHANICAL ENGINEERING
John M. Farnbacher.............................................Dayton, Ohio
Edwin J. Zwiesler.............................................Dayton, Ohio

CIVIL ENGINEER
George K. Houghtailing.......................................Honolulu, T. H.

MASTER OF ARTS
Roland Kinder..................................................Bellbrook, Ohio
Sr. Ethna Ledger, S. C.......................................Dayton, Ohio
Arthur R. Modler...............................................Dayton, Ohio
Sr. Mary Walter Wehmhoff, S.C..............................Springfield, Ohio

DOCTOR OF EDUCATION
Honoris Causa
Bland L. Stradley, LL.D......................................Columbus, Ohio
## REGISTER OF STUDENTS

### SUMMER TERM 1944

First Session May 15 - June 23, 1944

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Punsoda, Augusto

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Tschudy, Ortha
Tucker, Edgar

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Tuvell, Virginia

Urrutia, Chas.
Unferdorfer, Ed., S. M.

Voigt, Alfred
Voigt, Margaret

Von Fersen, Rev. Julian

Ware, Mark
Washam, Johnye
Weeks, Lloyd
Weeks, Marilouise
Wehrman, Lucille
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Westbrock, Ed., S. M.
Wetja, Harriet
Winckelman, Lorraine
Wilkus, Dorothy
Wissel, George II
Wren, James Clifton
Wright, Jean
Wurth, Rita

Young, Peter

Zaenglein, Dorothy
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Adams, Eldridge S., Jr.
Aiu, Oliver, S. M.
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Alder, Robert J.
Alexander, Jeanne
Andre, Joseph, S. M.
Argondizzo, Nina
Arndts, Richard
Austin, Donald

Bailey, Carolyn
Baker, Frank, Jr.
Baldassarre, Leticia
Ballman, Sr. Alice Julia, S. N. D.
Barrett, Joseph, S. M.
Beeker, Sr. M. Cleophas, S. N. D.
Beesley, Henrietta
Beirise, James
Bickham, Sylvia
Biddle, Rosemary
Biedenbender, Raymond
Blank, Adeline
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Boeckerman, Paul, S. M.
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Bordelon, Thomas, S. M.
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Bowman, Don
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Carlier, Sr. M. Emmanuel, S. N. D.
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Cook, Ada
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Cunningham, Jos.

Daneman, Betty
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Da Prato, Louis
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Davis, Sue
Dean, Margaretta
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Drexler, John
Dresner, Louis, S. M.
Duane, Eugene
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Dunn, Constance
Dwyer, Thomas, S. M.

Ebbesmeyer, Walter, S. M.
Eisenstein, Nancy
Elliot, Dorothy
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Estabrook, Hubert

Fahey, Chas., S. M.
Fargo, Muriel
Farnbacher, John
Feth, Sr. Vincent, S. N. D.
Finke, Mary A.
Fortenbach, Ray
Frazee, Beatrice
Frederick, Willie May
Freyberg, Billie

Gabor, Helen
Gazda, Sr. M. Blanche, M. S. C.
Gebhart, Sr. Marie Billiart, S. N. D.
Geeting, Lorah
Gensler, Helen
Glaser, Joseph
Glaser, Mary
Glossinger, Elaine
Goddard, June Burkett
Gough, Rita
Grady, Mary
Greenhoff, Lillian
Griffin, J. Dennis
Gross, Clement, S. M.
Guardiola, Nicholas

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Whyte, Mary Lenore
Williamson, Thelma
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## EVENING AND SATURDAY MORNING CLASSES

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Zimmerman, Elfred
Zimmerman, Lydia E.
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Barta, Anna Mae
Bliss, Rodger L.
Bowers, Scott T.
Boyd, William L.

Callies, Gertrude H.
Caylor, Arthur S.
Covert, Norah M.

DeVilbiss, Opal G.
Diduk, Elsa S.
DiPasquale, Vincent Carl
Doyle, Leo E., S. M.

Elliott, William J.

Georgio, Madeline A.
Gephart, Landis

Hanbuch, Ellen E.
Hays, Helen N.
Hopkins, James W.

Jennings, Mae
Kidd, Dorothy B.
Kinder, Roland

Ledger, Sr. Ethna, S. C.
Love, Theresa M.

McMurtrie, Mary L.
Markus, Helen E.
Millonig, Magdalena, E. C.
Modler, Arthur R.
Morris, Mildred L.
Mowry, Vernice S.

O'Connor, Teresa A.
Peppard, Joseph F.
Phillips, Lloyd G.
Prugh, Mary C.

Rader, Frances J.
Rehmund, John C.
Scholl, Robert G.
Selig, Lucy
Smith, Sr. Mary Theona, C. PP. S.
Toth, Helen I.

Uphouse, Norman H.
Whyte, Mary Lenore
Wolff, Grace D.

ST. ELIZABETH HOSPITAL SCHOOL OF NURSING
FIRST AND SECOND SEMESTERS
1944 - 1945

Ball, Mary E.
Beglin, Sr. Aquina, O. S. F.
Boylan, Sr. Celine, O. S. F.

Elias, Mary J.
Feist, Sr. Philaberta, O. S. F.
Gastomski, Martha C.
Hutchins, Julia R.
Jacobs, Lucille E.
Loner, Catherine M.

Macha, Anna S.
Marcum, Marjorie M.
Midlam, Doris L.

Perry, Mary E.
Prothman, Josephine D.
Reed, Inez E.

Schlick, Sr. Prima, O. S. F.
Somers, Rita S.

VanZant, Mildred T.
### REFRESHER COURSE RADIO TECHNICIAN

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### SPECIAL CLASS

**ADVANCED PUBLIC SPEAKING**

**NOVEMBER 17, 1944 - APRIL 13, 1945**

<table>
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