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Taylor University Profile 69/71



*a Christian liberal arts college*  
*Upland, Indiana 46989*  
*phone: (317) 998-2751*

# Taylor University Profile 69/71

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*MARCH ISSUE 1969, Vol. 6 No. 2.  
Issued seven times a year in February, March, May,  
June, August, October, and December. Entered as  
second-class matter at Upland, Indiana 46989  
August 1, 1963 under Act of Congress August 24, 1921.*

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# Taylor University Today

Taylor University is a Christian liberal arts institution of moderate size, with a student body of approximately 1,350 divided evenly between men and women. Taylor provides an appropriate setting for students pursuing the highly personal experience of higher education. Liberal arts study provides students with the widest exposure to the world around them and the broadest base upon which to build satisfying and profitable careers. As a Christian institution, Taylor recognizes that all truth has its source in God. A quest for truth begins with a knowledge of God's revelation in His Son. In fact, it is because all truth belongs to God that education itself is justified. It is precisely to students who know this fact that all the arts and sciences hold the greatest fascination and meaning. Hence academic pursuits at Taylor are intense and demand imagination, dedication and integrity from the students.

## HISTORICAL SETTING

Taylor is the ninth oldest college in the state of

Indiana, founded in 1846 by the Methodist Episcopal Church as Fort Wayne Female College. Its commitment to academic excellence and Christian perspective grew up from these early beginnings. Within a decade of its founding a coeducational program was initiated and by 1893 the campus had been relocated in Upland and the present name adopted in honor of a noted missionary of the Methodist Episcopal Church, Bishop William Taylor. Today, as a private, interdenominational liberal arts college, Taylor University is owned and operated by a board of Trustees. An affiliated body, the William Taylor Foundation exists to receive and hold funds, trusts, bequests and other gifts for the college.

## CHRISTIAN ORIENTATION

To assure the centrality of Christian principles in all of its activities Taylor University is committed to: 1) the fundamental doctrines of evangelical Christianity as set forth in the common Christian creeds; 2) acceptance of the Bible as the Word of God, showing God's progressive revelation of His own thought and will to man; 3) belief in the integrity of the Holy Scriptures and the personal identity of the Holy Spirit in the work of glorifying Christ; 4) affirmation that the subject of the Bible is redemption, inspired by the love of God the Father, grounded in the atoning sacrifice of God the eternal Son, and made effective to the human soul by God the eternal Spirit; 5) belief in the spiritual unity of believers in our Lord Jesus Christ.

## ACADEMIC ORIENTATION

Taylor University has the following academic objectives:

1. To offer an effective liberal arts education fused with a vitally Christian interpretation of truth and

life. The first two years of the liberal arts program are designed to provide an introduction to the basic fields of learning and the development of general culture, citizenship in a democracy, Christian ideals and personal qualities.

2. To organize the liberal arts program so as to include adequate pre-professional training in engineering, law, medicine, ministry, business, nursing, medical technology, and the ministry.
3. To prepare students for teaching in the elementary and secondary public schools.
4. To aid students to develop and maintain strong bodies through the practice of proper health habits.
5. To enrich the cultural experience of students and develop proper social attitudes.
6. To insure the maximum effectiveness of its program through constant study and improvement in the areas of instruction, curriculum and personal services.



#### ACCREDITATION

Taylor University is accredited by the North Central Association of Colleges and Secondary Schools, the State Department of Public Instruction of Indiana, and the National Council for Accreditation of Teacher Education. Memberships include the American Council on Education, Association of American Colleges, the National Commission of Christian Higher Education of the Association of American Colleges, American Association of University Women, and The Council of Protestant Colleges and Universities.

Taylor University is also accredited by the State Department of Public Instruction for the training of persons who qualify under Public Laws 550, 634, 16, and 358.

#### A LOOK AT THE FUTURE

The campus has seen its greatest growth and development in very recent years. In January of 1960 the original building of the Upland campus, housing the administration offices, burned to the ground. With the nerve-center of the university no longer in existence the question arose whether the campus ought to remain in Upland and rebuild or move to another site. The results of the decision to stay have set a campus improvement program into motion which promises to benefit Taylor students for years to come.

Five major buildings have already been completed and several more are on the drawing boards. The campus is modern and efficient, well suited both for living and study. Besides comfortable residence halls and attractive dining facilities, students enjoy adequate facilities for all major sporting events, recreation and social functions, as well as academic and religious activities.

#### THE TAYLOR PROGRAM

The academic calendar includes a fall and spring



term, an inter-term in January and a summer session. All but the summer session are described in detail in the following pages.

The summer session at Taylor University, lasting five weeks, was reinstated in 1968 after a lapse of fifteen years. The curriculum consists of credit courses selected from most of the regular University departments on the basis of student demand.

A special summer COPE Program (College Orientation and Preparatory Experience) provides educational experiences, both curricular and co-curricular, to assist those planning to enter Taylor in making the transition from secondary schools to the unique demands of the college environment.

The Credits-in-Escrow Program provides opportunity for outstanding high school students, who have completed their Junior year, to enrich and expand their educational experiences through summer study at a Christian college. Up to six hours of college credit is given upon graduation from high school for courses successfully completed.

In addition, a variety of both credit and non-credit institutes, workshops, and short term sessions are held. These are designed to meet the needs of teachers, church workers, and others with special interests.

For more information on the Summer School program write to the Director of Admissions, Taylor University.



# Student Life

Life at Taylor is more than books and lectures. Among the services and programs designed to enhance student life at Taylor are those provided by the division of Student Personnel Services. Student life is something different for each student. The Taylor program is designed not only to embrace a wide diversity of interests but to use that diversity to challenge and strengthen the minds and spirits of each member of the student body.

## NEW STUDENT ORIENTATION

The first week of the school year, new student week, is used to acquaint members of the incoming freshman class with one another and with life at Taylor. The week includes discussions, individual conferences, tests, and general meetings. Throughout the first term new students meet in small group discussions in their residence halls. Every effort is made to assure that students make a smooth transition into the challenges of college life.

## COLLEGE COMMUNITY LIFE

*cultural activities:* The university schedules an artist series of concerts, drama and lectures. The speech and music departments present frequent dramatic productions, recitals, concerts and other programs.

*social activities:* The academic year at Taylor is punctuated by a variety of social functions including homecoming festivities, banquets, parents' day, professional entertainment and films. Nationally known performers are featured in the Pops series, sponsored by the Student Union Board.

*athletics:* Taylor University has excelled in all sports during recent years receiving the first place Hoosier College Conference All Sports Trophy four times in the past four years. Intercollegiate sports include football, cross country, tennis, basketball, wrestling, golf, track and baseball. Taylor has a strong program of intramural athletics. There are also sports activities, both intercollegiate and intramural, for women.

*religious activities:* Students are encouraged to attend one of the local churches for regular Sun-

day morning worship. Sunday evening services are held on campus. Chapel is scheduled three times each week for all students. Prayer meetings for both students and faculty are a regular part of each week's activities.

*student publications:* Students with writing ability, photographic or artistic skill may use them in the production of one of the student publications. *The Echo*, a weekly newspaper, is a sounding board for student views and carries news, editorials, photographs, and amusement. *Parnassus* is an annual literary magazine which features original work of students and faculty. *Ilium*, the yearbook, is also a student publication demanding the talents of an energetic and imaginative staff.

*student organizations:* For students with specialized interests there are a variety of clubs with social, practical and academic benefits. They include organizations in the exact sciences, social sciences, music, languages, and pre-professional areas. There are also dramatic, athletic, cultural, political groups as well as student organizations which exist to add vitality to the spiritual life of the University.

## CAMPUS GOVERNMENT

Students participate in the government of Taylor University through an actively functioning student government organization and student-faculty standing committees. Topics of educational policy, finance, special events, athletics, religious activities and many other matters are discussed with student faculty committees before final decisions are reached.

A student affairs committee, composed of faculty

and students, meets regularly to discuss areas of particular concern such as housing and food service, health, co-curricular activities, student conduct, and other general concerns relating to student life and welfare.

## STUDENT SERVICES

*placement service:* One of the recognized goals of a college education is a self-satisfying career. The placement office exists to provide students with materials to acquaint them with career opportunities and introduce them to employers. Students should register with the placement service early in their senior year for interviews on campus with recruiters from business, industry, religious organizations and government agencies throughout the country.

*special services:* A variety of services are provided for students who need help in the area of basic learning skills or with personal or academic problems.

A testing program is available to students for classifying and appraising academic progress. Further tests which students find useful identify special interest and personality characteristics.

Reading skills are important to success in college. Taylor provides a non-credit course for students who want to increase their reading efficiency.

Tutorial aid and consultation is available as necessary to those who need help in particular subject areas, with some upperclassmen available to tutor in the areas of their specialty. Students with deficiencies in English are helped by a special faculty committee.

*health service:* A nurse is on duty 24 hours a day

and takes care of minor ailments and dispenses non-prescription drugs. A physician is employed by the school and there is a nine-bed infirmary on campus. A close working relationship is maintained with the Marion General Hospital, and several physicians provide medical and surgical care for students needing hospitalization.

### STANDARDS FOR STUDENT LIFE

Taylor University is centered in the person of Jesus Christ and dedicated to the ideals and practices of life which honor Him.

Although the privilege of enrollment in Taylor University is extended to all who can qualify, regardless of race, color, nationality, creed, or denomination, it is understood that no belief in conflict with the position of the College as expressed in the stated aims in the catalog or otherwise is to be propagated among the students.

As a Christian college, Taylor is not only committed to an evangelical position doctrinally, but is also persuaded that there should be a vital correlation between belief and practice in the life of the Christian. Therefore, we endeavor to maintain a wholesome Christian atmosphere upon the campus. Among the ideals which are upheld are abstinence from practices which tend to weaken the body or which tend to lower the moral standards such as the use of tobacco, alcoholic beverages, drugs, profane language, dancing and gambling.

Also, since the church provides the central position for communicating the Christian faith, every student is expected to select a home church in the

surrounding community and give it his loyal support.

Because the college does not attempt to infringe upon the government of the home, non-resident students who live in their own homes are permitted the usual privileges of the home as allowed by their parents; however, when they are on the campus, in the company of resident students or identified as students of the college, they are expected to abide by the college aims and standards.

### AUTOMOBILE REGULATIONS

Students past their first year studies are permitted to have and operate automobiles or motorcycles if they register them with the Office of Student Affairs within 48 hours after they are brought to campus. Student drivers must provide evidence of liability insurance and maintain satisfactory academic and citizenship status. No student in his first year of college is permitted to have or use a motor vehicle within a 50-mile radius of the campus.





# Admissions & Finances

Education should be available to every student who can benefit from it. Although space in colleges is in greater demand today than ever before and likewise the cost of education is the highest it has ever been, Taylor University accepts students on the basis of their achievement and potential with financial aid related both to need and scholarship. Students are invited to request particular information on any questions regarding admissions from the Director of Admissions and financial aid from the Financial Aid Counselor.

## ADMISSIONS

Application to Taylor is made on forms available from the Director of Admissions, Taylor University, Upland, Indiana 46989. Students are encouraged to submit the required credentials early in the year preceeding the desired enrollment. Credentials include the application form, high school transcript, a recommendation from a guidance counselor or principal, health report, a

photograph, and College Entrance Examination Board test scores which are mailed from the CEEB office. In some cases a personal interview may be requested by the Director of Admissions.

Transfer students must present the same credentials as high school seniors and, in addition, a transcript from each college and a recommendation form from the last college attended. Generally a minimum B- average is required; CEEB test scores are not required if a full term of college work has been successfully completed.

International students desiring admission should write to the Director of Admission for special application forms and instructions.

An applicant to Taylor must have graduated in the upper half of his class from an accredited secondary school and present satisfactory scores from the Scholastic Aptitude Test of the College Entrance Examination Board. College Board scores are used to help interpret a student's high school record, the primary document in evaluation of academic potential. The recommendations of

guidance counselors or principals are important as are a student's achievements in extra-curricular activities. But none of these are acceptable substitutes for academic achievement.

Applicants to Taylor must have four years of high school English, two years of mathematics (one of algebra, the other preferably geometry), a year of laboratory science and two years of social studies. Two years of a foreign language are strongly recommended.

College Entrance Examination Board tests may be taken as early as May of a student's junior year or as late as January of the academic year preceding enrollment. Registration procedures for the test are explained in the CEEB "Bulletin of Information" available from any secondary school guidance office. Test scores must be sent to the Director of Admissions, Taylor University, Up-land, Indiana 46989, directly from the College Entrance Examination Board in order to be considered official.

*notification of admission:* Taylor uses a rolling admissions procedure. Preliminary admission decisions are mailed to applicants approximately one week after all credentials, including SAT scores, have been received. Transfer students must send an additional transcript describing undergraduate work completed since submission of the first transcript.

#### ADVANCED STANDING

*advanced placement and credit:* To seek advanced standing or college course credit, the applicant must take the Advanced Placement Examination of the College Entrance Examination Board in the

field of study for which he may qualify. Students who have taken an Advanced Placement course in high school and who have passed the National Advanced Placement Examination in that course at a 3 point level or better are automatically eligible for placement at the next level of the college sequence and may receive college credit.

Participants in the Indiana High School Achievement Program may receive the same consideration as those taking the College Board Advanced Placement Examinations.

*transfer students:* Taylor University accepts in transfer only those courses carrying grades of C or above from accredited institutions, except in the case of sequence courses in which the second term shows definite improvement over the first. These exceptions are to be made only at the discretion of the Registrar and Dean.

Transfer students must take in residence at Taylor University a minimum of one-half the term hours required in the major field of study.

Transfer students from junior colleges may receive up to 66 term hours of transfer credit.

Correspondence study credit from approved institutions may be considered for transfer. A maximum of six term hours is permitted.

#### ADVANCE PAYMENT

An advance payment of \$100 becomes due within thirty days after final notice of admission is received. The amount is credited to the student's first term bill. Receipt of this fee represents the student's acceptance of admission. All returning students are required to remit an advance payment of \$100.00 before July 1 as evidence of their

intention to return for the fall term. Late payment can be accepted only if residence hall and class space is available.

*refund policy:* If notice of cancellation is received in the admissions office

<i>for fall term admission</i>	<i>Refund</i>
<i>between March 15 and May 31</i>	<i>\$95</i>
<i>between June 1 and July 14</i>	<i>\$50</i>
<i>on July 15 or after</i>	<i>none</i>
<i>for inter-term and spring term admission</i>	
<i>before November 1</i>	<i>\$95</i>
<i>between November 1 and November 30</i>	<i>\$50</i>
<i>after December 1</i>	<i>none</i>

## HOUSING

Residence hall facilities at Taylor are designed as living-learning centers. In order to better achieve its objectives, Taylor tries to fulfill two goals: first, to provide a community living experience through which students will be exposed to a variety of learning experiences which go beyond the scope of their chosen courses and to an environment which places high priority on academic achievement. Second, to provide attractive physical facilities and qualified staff personnel to assist students in developing a high degree of self-direction and responsible citizenship. Each head resident adviser presently employed by the university has faculty rank.

*housing deposit:* Students desiring university housing must return the Request for Housing Information form provided by the Office of Admissions. When an applicant has been admitted to Taylor University and has paid the \$100 advance deposit, he will receive a residence hall application card from the Office of Student Affairs. This card is to be filled out and returned to the Controller's Office along with the \$25 deposit on or before July 14 for the fall term, January 1 for the inter-term, February 1 for the spring term and June 1 for the summer school. This is a refundable deposit which is returned to a student when he leaves college. Charges for damage to residence hall facilities are deducted from this deposit.

Being admitted to Taylor University does not guarantee housing accommodations. Application for housing must be made and the housing deposit paid before residence hall space will be reserved. Cancellation of admission does not automatically cancel the housing reservation. The \$25 housing deposit will be refunded only when cancellation is made in person or in writing directly to the Office of Student Affairs and when such cancellation is made on or before July 14 for the fall term, January 1 for the inter-term, February 1 for the spring term, and June 1 for the summer school.

All single students not commuting from the homes of their parents are required to live in university housing. Exceptions may be made by the student personnel staff upon application in writing to the Office of Student Affairs. Only cases of need such as unusual health problems verified by the University Health Service and gross age differential between the student and general age range

of the student body are considered. When university residence hall facilities are exhausted, it is necessary for older students, transfer students, and students with automobiles to live in approved community housing. Students living outside the college residence halls may not change their place of residence without first receiving permission from the Office of Student Affairs and are expected to observe the same general rules and regulations which apply to resident students.

Room assignments are made prior to the beginning of the fall term. Room and roommate preferences are honored within the limits of available space. The university reserves the right to assign space as it deems appropriate.

The responsibility for determining residence hall regulations rests with the residence halls staff and councils. Changes in rules and regulations may be made from time to time when such changes are considered to be in the best interest of the total university community.

Residence hall rooms are furnished with the following items: window shades or drapes, beds, mattresses, desks, chairs, dressers and study lamps. The university provides and launders two sheets, a pillowcase, two towels and a washcloth. All but one sheet is exchanged for clean linen each week. Additional bedding not mentioned above must be furnished by the student.

#### STUDENT EXPENSES

At Taylor University the student pays only a part of the actual cost of his education. The balance

comes from gifts, earnings on the endowment, grants and other sources.

The college reserves the right to advance rates if and when necessary.

#### COST OF ACADEMIC YEAR

The cost of an academic year, consisting of the fall and spring terms and the inter-term, is set forth in the table below. The stated expenses are applicable to a student carrying an academic load of 12 to 17 credit hours per term plus four hours during inter-term.

	<i>resident student</i>	<i>commuting student</i>
<i>tuition</i>	\$1,428.00	\$1,428.00
<i>incidental fees</i>	72.00	72.00
<i>room and board</i>	926.00	.00
<i>student insurance</i>	24.00	.00
<i>total</i>	\$2,450.00	\$1,500.00

The incidental fees cover student service and activity expenses for athletic events, student newspaper, yearbook, lyceum series, post office, student union activities, and the student government organization. Students taking less than 12 credit hours pay regular student rates when participating in the individual service or activity.

Board fees provide three meals each day, seven days a week for the periods in which orientation and instruction are in progress. Room fees include health service, linen rental, and weekly laundry of sheets, pillow case, wash cloth, and towels.

The student insurance provides health and accident coverage and \$1,000 insurance against accidental death. The student insurance covers the student for a twelve month period beginning when the student arrives on campus for the fall term. This insurance is required of all resident students.

Tuition for less than 8 credit hours is \$50 per hour and tuition for 8-11 hours is \$60 per hour. The charge for hours in excess of 17 credit hours is \$40 per hour. Courses audited are billed at the rate of \$20 per hour.

*other charges:* Certain other charges are assessed for courses requiring private or special instruction and for administrative costs of special services. These charges are shown below:

*music lessons*

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<i>organ</i>	\$75
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<i>piano</i>	\$55
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<i>instruments</i>	\$48
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<i>voice</i>	\$55
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<i>voice &amp; piano class</i>	\$25
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*fees include one lesson and five practice periods per week.*

*SUPERVISED STUDENT TEACHING:* \$12.00 per hour, including the cost of applying for certification, first-time placement and the student-teacher banquet.

*SUPERVISED SOCIAL CASE WORK:* \$25.00 per term.

*READING IMPROVEMENT SERVICES:* \$35.00 per term.

*GRADUATION FEE:* \$25.00 is charged to all candidates for graduation and is included in the cost for the last term of the senior year. It includes the diploma, rental of cap and gown, and other graduation expenses.

*SPECIAL EXAMINATIONS:* \$5.00 is charged for all special examinations and make-up tests unless written exemption is issued by the Dean. The professor will require a receipt from the cashier showing that the fee has been paid.

*STUDENT INSURANCE:* Insurance is mandatory for all but commuting students. Coverage is available for the single student (\$24 per year), man and wife (\$51 per year), and family (\$80 per year). Rates for those entering other than for the fall term are available upon request.

*CHANGE OF REGISTRATION:* \$3.00 is charged for each change made after registration day.

*LATE REGISTRATION:* \$10.00 per week or fractional week is charged after the designated registration day of any term.

#### PAYMENT OF BILLS

The total charges for the fall term and inter-term are included on the billing mailed to each pre-registered student at least one month prior to the beginning of the fall term. Billings for the spring term will be mailed at least three weeks prior to the beginning of that term. Pre-registered students are required to make the minimum payment on or before registration day. Students not pre-registered must make the minimum payment on registration day to be enrolled in classes.

*Payment of the actual amount due for each term may be handled by one of the following methods:*

*(a) payment in full: All students are encouraged to use this method of payment in order to earn the discount for cash. Payment in full is required of all part-time students (Those carrying 11 hours or less).*

*(b) minimum payment: (includes \$100 advance payment)*

<i>resident student</i>	<i>\$900.00</i>
<i>non-resident student</i>	<i>\$675.00</i>

*The balance of the bill for first and second terms is due at the end of the eighth week of each term.*

*(c) special arrangements: Extreme hardship cases must be worked out in advance of registration day with the Controller's Office.*

Taylor University administered financial assistance and approved federal and state awards will be credited to student accounts. Non-Taylor administered assistance remaining unpaid on registration day, but officially awarded, may be honored toward meeting the minimum payment required. However, a 1% per month carrying charge may be assessed if Non-Taylor assistance is required to meet the minimum payment.

A cash discount is allowed if the term's bill is paid in full either on or before registration day. The amount of the allowable discount appears on the billing.

A minimum charge of \$5.00 plus \$1.00 per day will be made for collection of overdue bills. If permission has been granted for a delay in the completion of the final payment due each term, a 1% per month carrying charge will be added.

Earnings from campus employment will automatically be applied to the student's account if his



account is not paid in full when the final amount is due.

All accounts must be paid in full before academic credit is granted.

#### WITHDRAWAL FUNDS

Withdrawals from courses must be approved by the Dean. Tuition charges for courses dropped are refundable in full during the first week of classes. There is no refund of tuition if a course is dropped after the first week of classes.

Withdrawals from private instruction are refundable in accordance with the schedule for withdrawals from college.

Withdrawals from college must be approved by the Director of Student Affairs and the Dean before any refunds are made. Refunds for a student who must withdraw because of unacceptable personal conduct may be denied depending upon the circumstances of the withdrawal.

Refunds are based on the total term's bill and on the date the official withdrawal form is completed. A service fee of \$35.00, in addition to possible forfeiture of the advance payment and housing deposit, is charged students who complete registration but must withdraw before attending classes. Any deviations from the above are at the discretion of the Director of Student Affairs.

*Refunds of student charges are based on the following schedule:*

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*tuition and private instruction*

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*withdrawals to the end of the*

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*third week*

*60%*

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<i>sixth week</i>	<i>40%</i>
<i>eighth week</i>	<i>20%</i>
<i>withdrawals after end of eighth week</i>	<i>none</i>
<i>incidental fees</i>	<i>non-refundable</i>
<i>board (unused portion—full weeks only)</i>	<i>90%</i>
<i>room</i>	<i>non-refundable</i>

#### FINANCIAL AID

Taylor University is committed to providing education to qualified students regardless of means. The financial aid program offers assistance to students in need through scholarships, loans, and employment.

Factors determining whether an applicant is to be given financial assistance are financial need, academic standing, potential and evidence of self-help through regular employment.

Applications for scholarships, loans, grants and both on-campus and off-campus work are obtained from the Financial Aid Counselor.

Financial awards are offered as a supplement to parental assistance and self-help. All applicants for financial aid must file the Parents' Confidential Statement provided by the College Scholarship Service. On the basis of this statement the CSS makes an objective evaluation of each student's need based on the cost of attending the university and the resources of his family. The CSS then sends this need analysis to the Financial Aid Office at the university. Information concerning the College Scholarship Service may be secured from the applicant's high school, Taylor University, or from

the College Scholarship Service, Box 176, Princeton, New Jersey 08540; Box 881, Evanston, Illinois 60201; or Box 1025, Berkeley, California 94701.

To continue receiving a scholarship, the student must attend consecutively by terms. Permission may be granted for a break in the continuity of attendance provided the reason for the interruption is worthy of such consideration. If a student should withdraw from college for financial reasons, the amount of the scholarship used will be a gift to him. Should a student transfer for other than financial reasons, the amount of the scholarship used may become due and payable to the university before a transcript of credits will be furnished.

The Student Financial Aid Committee will evaluate annually the conditions upon which a scholarship continues. All decisions of this committee are considered part of the financial aid policies. All questions concerning financial aid and student employment should be directed to the Financial Aid Counselor.

## SCHOLARSHIPS

Scholarship funds listed below are granted on the basis of merit and need.

*Selective Honor Scholarship:* \$1600 (\$400 each for four years) for graduates in the upper 10% of their graduating classes. There are currently 16 available to freshmen.

*President's Scholarship:* \$800 (\$200 each year for four years) available to graduates in the upper 15%

of their graduating classes. There are currently 16 available to freshmen.

*I. N. Reitenour Scholarship Fund:* \$1000 applied at the rate of \$125 per term to an incoming freshman who ranks in the upper 10% of his high school graduating class.

*The Reader's Digest Scholarships:* (Number and amount varies.)

*The Presser Foundation Scholarship Grant:* \$400 available to two or more students with preference given to those who expect to become teachers of music.

*Dr. L. Monroe Vayhinger Memorial Music Scholarships:* Three scholarships of \$150 each (at the rate of \$75 per term) are offered to students who are majoring in music.

*M. Lee Wilson Memorial Scholarship:* \$150 awarded to a student who is preparing for the ministry or mission field. Preference is given to a Methodist young man.

*Frase Award:* \$200 available to a male student for his contribution to Taylor University through the education department. (Provided by Bruce Frase '51, Wayne Frase '52, and Stuart Frase '55.)

*Physics Alumni Scholarship:* \$500 available to physics majors.

*Shy-Fleser Award:* \$200 available to a male student for his contribution to Taylor University through the physical education department. (Provided by Edward Shy '50 and Calvin Fleser '48.)

*International Student Scholarship:* \$1500 granted to two or more freshman students from foreign countries. Each scholarship may be continued for four years by action of the Scholarship Committee.



*Mrs. R. R. Weed Memorial Scholarship:* \$100 awarded to an upperclassman who is preparing for full-time Christian service.

*All-College Scholarship:* \$200 awarded to the student receiving the highest scholastic standing for the academic year.

*Alumni Scholarship:* \$200 awarded to a junior student who has shown evidence of Christian character and leadership.

*Shilling Scholarship for Excellence in Science and Mathematics:* \$100 awarded to a senior majoring in science or mathematics who has a 3.3 grade point average through his junior year. (Provided by Dr. C. W. Shilling, '23.)

*Lang Scholarship Fund:* Number and amounts vary. (Provided by Mr. and Mrs. Fred M. Lange.)

*Coughenour Alumni Sports Award:* \$250 awarded to a student who has combined academic and athletic success with a positive Christian influence. (Provided by Dr. and Mrs. Robert Coughenour.)

*Musicator Scholarship:* \$100 available to a sophomore, junior or senior music major. (Provided by the Music Club.)

*Business and Economics Scholarship:* \$1000 awarded to four students (at the rate of \$125 per term) who are majoring in business and economics.

*H. C. Schlarb Scholarship:* \$250 awarded to a student majoring in business and economics.

*Chi Alpha Omega Scholarship:* \$200 awarded in the spring to a student having completed four terms at Taylor, and effective the next academic year.

*The Dorothy Knight Scholarship:* \$500 available to a needy sophomore who demonstrates academic

and service potential. (Provided by Dr. and Mrs. Harold L. Herber.)

*The Ralph W. Herber-Earl J. Rose Scholarship:* \$500 available to a needy senior who demonstrates academic and service potential. (Provided by Dr. and Mrs. Harold L. Herber.)

*Lester E. Gerig Music Talent Award:* \$250 awarded to four freshman students who plan to major in music and display special talent with stringed instruments.

*Isabelle D. Rogato Scholarship:* One or two awards of \$100 each awarded to a female student who is a senior, a Physical Education major and has a 3.3 grade point average.

*Memorial Baptist Church Scholarship:* (Number and amount varies) awarded to a resident member of Memorial Baptist Church, Ft. Wayne, Indiana.

#### GRANTS-IN-AID AND LOANS

*Taylor University Grants:* Aid to a limited number of upperclassmen is available through contributions made for this purpose by friends of the institution.

*Educational Opportunity Grants:* Federal grants in amounts from \$200 to \$1000 are available and renewable annually to students who have great financial need, and who would be unable to attend the university without this aid.

*Taylor Student Loan Funds:* A number of funds have been established from which students may borrow on the basis of 1% while in school and 4% thereafter. The following amounts are available annually: not more than \$100 to a freshman; \$300

to a sophomore; \$400 to a junior; and \$500 to a senior. These are:

General Loan Fund

Nelva Snider Dober Loan Fund

Robert M. Steward Memorial Loan Fund

Ray F. Barnes Student Loan Fund

Indiana Federation of Clubs Trust Fund

Maude Betts Student Loan Fund

Linton Wood Student Loan Fund

Daniel Schwenk Student Loan Trust Fund

Sleicher-Utley Loan Fund

Elmer Stockman Loan Fund

Erwin & Eva King Ministerial Students Loan Fund

Bourquart-Caffray Student Loan Fund

Speicher Loan Fund

Rev. John Campbell Memorial Loan Fund

Frank Montgomery Loan Fund

G. Harlowe Evans Student Loans

Emy L. Sheppard Memorial Loan Fund

*Damy Alford Emergency Loan Fund:* Amounts up to \$100 available on 90 day repayment basis.

*T. Lewis Gerig Memorial Loan Fund:* Amounts up to \$100 available on 60 day repayment basis.

*Methodist Student Loan Funds:* \$250 to \$450 per year available to Methodist students (depending on their academic classification) who are maintaining at least a C average.

*American Baptist Student Loan Fund:* Up to \$500 a year to students of the American Baptist Church.

*Lutheran Church Vocations-Loans:* Up to \$600 annually, determined by need. Half of the amount is repayable in service, half in cash.

*Presbyterian Student Loan Fund:* Amounts are available for the sophomore year up to \$250, junior \$400, senior \$500—total \$1000 maximum.

*National Defense Student Loan Program:* \$1000 maximum available annually to a student who shows evidence of financial need. The interest rate is 3% after graduation with ten years to repay and from 50% to 100% forgiveness feature for those who enter the teaching profession.

*State Guaranteed Loans:* \$1000 to \$1500 maximum is available annually for students enrolled in college and doing satisfactory work. Application for these loans is made through the local bank or other lending institutions. The interest rate is 7% after graduation with five to ten years to repay.

*United Student Aid Funds, Inc.:* \$1000 maximum available annually for students enrolled in school and doing satisfactory work. Application for this loan is obtained at the university and is then submitted to the hometown participating banks. The interest rate is 7% after graduation with provision for repayment up to ten years.

*other aid programs:* Many good plans for meeting educational expenses are available through banks and specialized companies. Information on these plans is available through the Financial Aid Office. *Vocational Rehabilitation Aid:* Students from Indiana, as well as those from a number of other states, having vocational handicaps are eligible for aid in varying amounts.

## STUDENT EMPLOYMENT

*policies:* Freshmen may not engage in more than fifteen hours of employment without the special permission of the Director of Student Affairs; upperclassmen, not more than twenty, and no student may accept off-campus employment without permission. The primary obligation of the student

is to his studies. Employment policies attempt to define the usually effective balance and limits of academic and non-academic concerns.

*on-campus employment:* Work opportunities are available for approximately one-third of the student body.

*college work-study:* Students, particularly those from low income families, are eligible to work up to 15 hours weekly while attending classes full time. The basic pay rate is \$1.30 to \$1.75 an hour.

*off-campus employment:* There are a limited number of job opportunities where students may split an eight-hour shift. In addition to the off-campus College Work-Study program, various other part-time jobs are available from time to time.

#### CONTESTS AND AWARDS

*McLennan Oratory Award:* \$60 first place and \$40 second place award for speeches on the subject of alcoholism. (Provided by the Reverend Ross McLennan.)

*Shilling Art Award:* \$15 first place and \$10 second place award for both water color and oil paintings. (Provided by friends and sons of Mrs. Mary O. Shilling.)

*Patton-Petersen Drawing Contest:* \$35 first place and \$15 second place award for excellence in drawing techniques. (Provided by Professor Jack Patton and Richard Petersen.)

*Bullock Sculpture and Ceramic Award:* \$15 first place and \$10 second place award for excellence in sculpture or ceramics. (Provided by Professor Ray Bullock.)

*Ketner Jewelry Award:* \$15 first place and \$10 second place for outstanding jewelry design. (Provided by David Ketner.)

*Coburn Track Award:* \$100 is awarded on basis of need, and ability in track and field. (Provided by Maurice Coburn, '49.)

*Carl Daugherty Baseball Award:* \$100 based on need and ability in baseball. (Provided by Carl Daugherty, '50.)

*The Gates-Howard Award:* Recognition is given for athletic accomplishment. (Provided by J. B. Gates and Arthur W. Howard.)

*Granitz-Nelson Football Award:* \$100 based on student's need and his ability in football. (Provided by John Nelson, '52 and Don Granitz, '52.)

*Bowermeister-Williams Concerto Contest:* \$100 to the winner. (Provided by David Bowermeister, '67, and Bill Williams, '67.)

# Academic Regulations

Academic policies and regulations are administered by the offices of the Dean and the Registrar.

## STUDENT CLASSIFICATION

A student may be admitted into a course of study leading to a degree at Taylor only after having met normal entrance requirements. However, a few students may be admitted to either "special" or "guest" status each term.

*Students with regular standing are classified as follows:*

<i>freshmen</i>	<i>through 30 hours</i>
<i>sophomores</i>	<i>31 through 60 hours</i>
<i>juniors</i>	<i>61 through 94 hours</i>
<i>seniors</i>	<i>95 hours to graduation</i>

Special students are those admitted for study on the basis of demonstrated ability and maturity, not having met the normal entrance requirements. Degrees are not granted to special students. They may, however, qualify for regular standing by removing entrance deficiencies and by earning a minimum C (2.0) grade point average. Credits earned as a special student may apply toward a degree when regular standing is attained. Normally there is a 30-hour limit.

Guest status is considered for those individuals who are desirous of taking one or two courses at Taylor for the specific purpose of transferring the credit earned to a parent institution. No evaluation of credit is prepared and a statement of good standing from the parent institution is required. Guest status is also granted to those who wish to study for personal improvement only.

## ELIGIBILITY REQUIREMENTS

The following table describes the minimum grade point averages which carry eligibility for continuing enrollment.

<i>cumulative hours</i>	<i>required GPA</i>
<i>senior</i>	
111-136	2.00
95-110	1.95
<i>junior</i>	
77-94	1.90
61-76	1.85
<i>sophomore</i>	
45-60	1.80
31-44	1.75
<i>freshman</i>	
13-30	1.70
0-12	1.60

A student who falls below these minimums may be placed on academic probation, and thereby maintains enrollment on a provisional basis, if he is close to meeting the minimum requirements. However such a student loses his eligibility to participate in co-curricular activities.

Registration for twelve or more hours constitutes full-time standing. A normal academic load is 15 or 16 hours per term and 4 hours during inter-term. Freshmen who have campus employment are not permitted to carry more than the normal load, except in the case of students participating in music ensemble groups. No student working 40 hours per week may carry more than twelve hours. Students with at least a C average may take 17 hours. A 3.0 grade point average is necessary to carry 18 hours: 3.3, 19 hours and 3.6, 20 hours of class load. Approval to register for more than 17 hours must be secured from the Dean.

*co-curricular activities:* In order to maintain eligibility for co-curricular activities a student must maintain a minimum of twelve term hours and may not be on either academic probation (failure to earn the required grade point average) or citizenship probation (unacceptable personal conduct).

*intercollegiate athletics:* For participation in intercollegiate athletics a student must meet the requirements described above as well as those of the Hoosier College Conference and the National Association of Intercollegiate Athletics.

*musical organizations:* In musical organizations such as band or chorus, eligibility for enrollment requires that an incoming freshman be admitted to Taylor in regular standing. Second term freshmen may not be admitted if they have been placed on probation during their first term. A student may continue his participation in the organization although he has been placed on probation only if he demonstrates his ability to regain normal academic standing.

## GRADING SYSTEM

<i>A - superior</i>	<i>W - withdrawal from college</i>
<i>B - better than average</i>	<i>WP - withdrawal passing</i>
<i>C - average</i>	<i>WF - withdrawal failing</i>
<i>D - passing</i>	<i>Inc - incomplete</i>
<i>E - condition</i>	<i>NC - no credit (limited to music ensembles)</i>
<i>F - failure</i>	<i>Aud - audit (registration without credit)</i>
<i>P - pass</i>	

The Dean may authorize an incomplete when a student, because of circumstances beyond his control occurring during the last month of a term, is unable to complete his work by the end of the term.

In case of withdrawal from a course, the quality of the student's work will be indicated as either passing or failing, provided the withdrawal occurs after the period during which changes of registration are permitted.

A condition or an incomplete mark lapses into a failure if not removed during the following term. When a condition is removed, the mark attained may not be higher than C.

Quality points are given with the grades as follows: 4 per credit hour of A, 3 for B, 2 for C, 1 for D, 0 for F. Students who earn a 3.6 GPA or better in any given term are given special recognition by being named on the Dean's List.

In order to maintain the minimum graduation standard of the college, a student is required to earn a scholarship rating equivalent to at least two quality points for each credit hour for which he is registered. The average scholarship rating in terms of quality points is found by dividing the total number of hours for which the student is registered into the total number of quality points earned. For example, 15 scheduled hours and 30 quality points indicate a scholarship rating of 2.0, i.e., an average of C. Pass-Fail courses and Student Teaching are exceptions to the above.

At the close of each term, the Registrar sends the grade report to each student's parents or guardian. In the case of married students reports are sent directly to the student.



**DEGREE REQUIREMENTS***general requirements for all students:*

<i>English composition and literature</i>	<i>8-9 hours</i>
<i>two courses chosen from the following areas: psychology, sociology, political science, economics, and geography</i>	<i>6-9 hours</i>
<i>laboratory science</i>	<i>8-10 hours</i>
<i>Bible and philosophy</i>	<i>12 hours</i>
<i>physical education</i>	<i>4 hours</i>
<i>fine arts</i>	<i>4 hours</i>
<i>departmental capstone course</i>	<i>4 hours</i>
<i>history</i>	<i>4 hours</i>
<i>two electives chosen outside of the department and not listed as departmental requirements for the major</i>	<i>6-8 hours</i>
<i>total</i>	<i>56-64 hours</i>

Freshman are required to take History 103, sophomores Religion 220, and seniors the Departmental Capstone Course during the inter-term.

A student must choose a major by the first term of his junior year in consultation with his adviser. No student will be permitted to change his major after the sophomore year without the approval of the Dean.

A degree candidate must spend at least his senior year in residence study at Taylor University. Exceptions to this rule include students in an affiliation program (where study is divided between two institutions and degrees are granted by both),

or any special cases where the Educational Policies Committee has granted advance permission.

A minimum of 136 term hours is required for graduation. No grade below D is counted toward fulfillment of these hours, and no student may graduate with an overall grade point average below C (2.0).

In his major field a student must earn a 2.25 grade point average. Courses above the 100 level will not be counted toward a major if a grade of D is earned. Grades below C will not be used in computing the grade point average of a student's major but will be included in his over-all grade point average.

A minimum of 44 term hours of upper division (300-400 level) courses must be satisfactorily completed to meet graduation requirements. Reasonable adjustments are made for students in affiliation courses.

Proficiency in the use of English is required. Students who have been deficient in this area may not register for their senior year without approval from the English Proficiency Committee.

**CLASS ATTENDANCE**

At the beginning of each term professors will announce their policies for handling unexcused absences. Unexcused absences equal to the number of class meetings per week will be allowed in every case without penalty. Attendance at the last class meeting before and the first meeting after a holiday is required.

Chapel and convocation attendance is required three days per week.

## COMPREHENSIVE EXAMINATIONS

A candidate for a degree must pass a comprehensive examination in his major field of study. This examination is given during the senior year. Students in the affiliation programs whose residence study is completed at the close of the junior year are required to take the comprehensive examination at the end of that year. A candidate for the Bachelor of Science in Education degree must pass a comprehensive examination in his major teaching field.

A student may complete his requirements for graduation at mid-year, in August or in May. Commencement ceremonies are held only in May, at which time formal announcement of graduation is made and all degrees are conferred.

## BACHELOR OF ARTS LANGUAGE REQUIREMENTS

Students pursuing the Bachelor of Arts degree must present the equivalence of two years of a foreign language for graduation. Those who enter with a year or more of foreign language study will be placed in language classes at the proficiency level indicated by either the Modern Language Association or the College Entrance Examination Board language proficiency tests. Students who meet the minimum requirements when entering will be expected to take one course of the language studied above the 202 level.

## REGISTRATION

Each student is assigned a faculty academic adviser in the department of the student's expressed interest. Although students are expected to take initia-

tive in choosing their courses with a view toward meeting departmental and university graduation requirements, faculty advisers are available to students for consultation regarding course selection and registration.

## PRE-REGISTRATION

Both new and returning students may pre-register for their courses and pay their fees either in person or by mail before the opening of each term. Students not pre-registered may register and pay fees on the first day of the new term.

## LATE REGISTRATION

Late registration is possible only by consent of the Dean and only through the third week of classes. Students registering after two weeks are limited to 12 class hours. The late registration fee is \$10 per week or fractional week.

## TRANSCRIPT OF ACADEMIC RECORD

A transcript of an academic record normally includes a list of all courses attempted, the grades, quality points earned, and GPA and the credit received. Most transcripts also bear the high school graduation date and any transfer credits. Because of the January 1960 fire which destroyed the administration building, certain exceptions exist, especially in the records of nongraduates.

An official transcript bears the registrar's signature and the university seal.

Each student is entitled to one free transcript. Additional copies cost \$1 each. The fee must accompany the transcript order. Delivery will be delayed until payment is received. No transcript



will be issued unless all bills to Taylor University have been paid or are current according to some agreement with the business office.

Transcript requests must be made in writing. Allow two weeks after the close of a term for the issuance of an up-to-date transcript.

#### HONORS PROGRAM

Most departments offer superior students opportunity for independent work under the direction of the department head. Honors courses are open to seniors and juniors in major fields of study on the condition that a B average has been maintained in all work done in that field.

#### JUNIOR YEAR ABROAD

Students of superior achievement, with approval, may spend their junior year studying in one of several foreign countries. Applications must be submitted to the Educational Policies Committee during the sophomore year for approval.

#### GRADUATION HONORS

In recognition of superior scholarship, the college awards honors of three grades at graduation, namely, *Cum Laude*, *Magna Cum Laude* and *Summa Cum Laude*.

*Cum Laude* is awarded those students with a GPA of at least 3.3. To be eligible for this honor, the student must have been in residence at Taylor University during all of his junior and senior years and have earned a minimum of sixty term hours of credit.

*Magna Cum Laude* is awarded those students with a GPA of at least 3.7. To be eligible for this honor, the student must have been in residence at Taylor University throughout the entire four-year course.

*Summa Cum Laude* is awarded those students with a GPA of at least 3.85. This is also based on a full four-year course of study at Taylor University.

*Chi Alpha Omega* is a scholastic honor society, election to which is limited to not more than ten percent of the senior class.

# Courses of Instruction

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*Ancient Language*

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*Art*

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*Astronomy*

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*Biology*

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*Business and Economics*

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*Chemistry*

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*Computer Science*

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*Education*

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*English*

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*Geography*

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*History*

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*Mathematics*

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*Modern Languages*

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*Music*

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*Philosophy*

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*Physical Education and Health*

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*Physics*

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*Political Science*

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*Psychology*

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*Religion*

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*Sociology*

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*Speech and Drama*

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### COURSE NUMBERS AND LEVELS

Courses are numbered according to the following plan:

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100-199 *primarily for freshmen*

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200-299 *primarily for sophomores*

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300-399 *primarily for juniors*

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400-499 *primarily for seniors*

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Freshmen are not permitted to take courses above the 200 level. Seniors who may be permitted to register for 100-level courses must present one additional hour for each three toward the total for graduation.

Hyphenated numbers represent sequence courses, both parts of which must be taken in order to receive credit. Course entries presented together but separated by commas, sometimes permit taking either term for credit, but generally permit taking the first term for credit without taking the second. The latter often makes the first term course prerequisite to the second—check the course entry by department for specifics.

The college reserves the right to withdraw any scheduled course for which enrollment is insufficient to warrant the organization of a class.

# Ancient Language

*Heath*

Students who expect to major in religion or to prepare for seminary will find it advisable to take Greek as the language requirement for graduation.

201-202 **ELEMENTARY NEW TESTAMENT GREEK.** Emphasizes fundamental principles of Greek grammar, with mastery of forms and vocabulary. Some readings in the Greek New Testament are included. (Offered annually). Four hours credit.

301-302 **SYNOPTIC GOSPELS** (Greek). A careful study of the synoptic gospels with special attention to the gospel of Mark and those portions of Matthew and Luke not found in Mark. Syntax and grammatical and exegetical principles of Greek are stressed. Prerequisite: Greek 201-202. (Offered 1969-70). Four hours credit.

311-312 **THE EPISTLES** (Greek). Passages selected from the epistles according to the needs and background of the class will be read. Special attention will be given to the exegesis of certain passages of literary importance. Prerequisite: Greek 201-202. (Offered 1970-71). Four hours credit.

393 **GUIDED RESEARCH IN HELLENISTIC LANGUAGE** (Inter-term). Investigation of a project area selected individually by each student in consultation with the department. The work is carried on by the student in some adequate library of ancient literature, or in a manuscript museum. Results of the study are formalized in a paper of the student's own planning. (Offered annually). Four hours credit.

# Art

*Patton, Bullock*

Art majors pursuing an A.B. must take 30 hours in this department including Art 101, 102, 211, 221, 412 and 493. Majors pursuing a B.S. need 40 hours including Art 101, 102, 211, 302, 312, 331, 412 and 493 and Philosophy 342. Students pursuing a B.S. area major must obtain 52 hours including those listed above for the 40 hour major.

All art majors shall be required to give an art exhibition during the last term before graduation. The work shall be very selective and the plan and organization approved by the department.

Speech 412, Stagecraft and Design is a cognate course.

101 **DRAWING.** Basic drawing which directs the student in mechanical/visual methods of observation. Life and object drawing as subject matter utilizing pencil, charcoal, pastel, pen and ink, felt pen. (Offered annually). Four hours credit.

102 **ART FUNDAMENTALS/DESIGN.** Stressing the principles and elements of design with emphasis on the development of individual creative expression and the application of design to specific problems relative to two and three dimensional design. Prerequisite: Art 101. (Offered annually). Five hours credit.

211 **CERAMICS/SCULPTURE.** Elements of

three-dimensional form, using clay, plaster, wood, metal, and stone. (Offered annually). Five hours credit.

221 **LETTERING/VISUAL DESIGN.** Visual communication: design in posters, typography. Hand brush lettering utilized. Layout methods: rough, comprehensive, finished art work. Media include tempera, airbrush, silkscreen, ink, applique. (Offered annually). Four hours credit.

301 **PRINTMAKING.** Lab work dealing with graphic printing techniques: woodcut, linocut, experimental relief printing, intaglio and planographic. Stress on design in pictorial art. (Offered annually). Four hours credit.

302 **ART FOR ELEMENTARY TEACHERS.** Problems and techniques of various media in two and three dimensions. Encouragement of the creative attitude in children is emphasized. Easily available materials utilized in crafts. Not applicable to the A.B. art program. (Offered annually). Three hours credit.

312 **METAL ENAMELING/SILVERSMITHING.** An examination and practice of enameling on copper and silver. Study and construction of the simplest metalworking processes with emphasis on construction of jewelry. (Offered annually). Three hours credit.

322 **PAINTING.** Studio practice in mixed media with still life, landscape, portrait as subject matter. Prerequisite: Art 101 or permission from the instructor. (Offered annually). Five hours credit.

331 **INTRODUCTION TO ART EDUCATION.** This course is a survey of the history and philosophy of art education in western civilization with emphasis on structure of curriculum for the high

school and the relationship of art to the total school program. (Offered annually). Three hours credit.

393 **JUNIOR PRACTICUM.** Designed to broaden the student's awareness of his role in art as related to society. Contacts with galleries, art schools, advertising agencies, public schools, and college art departments will be made. Individual enterprise may be set up with permission of the head of the department. (Offered annually). Four hours credit.

402 **CREATIVE PUPPETRY.** Design/construction of the marionette, hand puppet, hand-rod puppet, shadow puppet. Appropriate projects suitable for the professional artist as well as the prospective teacher. One production of puppet theater with an audience. (Offered 1969-70). Three hours credit.

412 **HISTORY OF ART.** Survey and cultural analysis of the interrelated fields of architecture, sculpture, and painting. Prehistoric to Modern. (Offered 1970-71). Four hours credit.

491, 492 **HONORS.** Independent study/work in art. A research paper of some magnitude, leading to a creative project. For art majors only. Prerequisite: permission from the department head. (Offered annually). One or two hours credit.

493 **SENIOR CAPSTONE.** Designed to make the student more aware of the relationship of art to his world through lectures, field trips, independent study, and on/off campus experiences. (Offered during the January inter-term only). Four hours credit.

# Astronomy

*Bromley*

301 GENERAL ASTRONOMY. A descriptive course taking up the study of the stars, planets and other heavenly bodies. A cultural course for which no advanced mathematics is required. Lectures, demonstrations, outdoor work with the telescope. (Offered 1969-70). Two hours credit.

# Biology

*H. Snyder, Harrison, Poe, Wood*

Majors are offered in three fields: biology, botany, and zoology. A major consists of forty hours.

All majors (except Pre-Medical Technology) must take Biology 211 and 212. Pre-Medical Technology majors are required to take only Biology 212 as a prerequisite to advanced courses. All majors must take at least two terms of chemistry; however, four terms are strongly recommended. Physics is also recommended.

All majors are required to take the Senior Capstone course, Biology 493, during the inter-term. Natural science seminar is recommended for all majors.

A.B. and B.S. majors are required to take the

Graduate Record Examination or the Biology Comprehensive.

All majors (except pre-medical and pre-medical technology) are required to take at least six credit hours at the Taylor field station (or its equivalent).

*natural resources majors:* Forestry, Fisheries and Wildlife, Park Management, Resource Development.

Taylor University offers the first two years of basic courses which will prepare the student to transfer to another college or university offering the complete professional programs in natural resources. The curriculum can be modified depending on the specific requirements of the institution to which the student wishes to transfer. The student should note that Religion 100, a requirement at Taylor, in most cases transfers as an elective in the humanities area.

100 GENERAL BIOLOGY. Principles of plant and animal biology. Recommended for non-science majors. Offered both terms on campus (five hours credit). Offered summers at the field station during a four-week period (five hours credit). Five hours credit.

211 GENERAL BOTANY. Introduction to plant science; flowering plants, their structure, physiology and reproduction; survey of the plant kingdom from one-celled to complex organisms. Two hours lecture and four hours laboratory per week. (Offered annually). Four hours credit.

212 GENERAL ZOOLOGY. Principles of animal biology. A taxonomic survey of the animal kingdom. Anatomy and physiology of the systems of vertebrate animals. Two hours lecture and four

hours of laboratory per week. (Offered annually). Four hours credit.

231 CONSERVATION. Soil, water, minerals, wildlife, forests; their identification and management. Methods of conservation education and conservation in politics. Three hours lecture and two hours laboratory. (Offered annually and at field station during a three-week period (three hours credit). Three-four hours credit.

241-242 HUMAN ANATOMY AND PHYSIOLOGY. A course covering the structure and functions of the human body. The subject matter is divided into systems. Three hours lecture and one two-hour laboratory period per week. (Offered annually). Four hours credit.

302 PLANT AND ANIMAL ECOLOGY. Environmental factors as they relate to plants and animals. Interrelationships of organisms within various habitats. Two hours lecture and two hours laboratory per week. Prerequisite: Biology 211 and 212. (Offered annually). Three hours credit.

303 TAXONOMY OF VASCULAR PLANTS. Identification, classification, geographic distribution and economic importance, with emphasis on the important genera of the local flora. Prerequisite: Biology 211. (Offered summers). Four hours credit.

313 ENTOMOLOGY. Insects are collected in the field and classified. Taxonomic skills are developed. Life histories, economic importance, and principles of ecology are illustrated. Offered at field station only (three weeks). Six four-hour lecture-laboratory sessions per week. Prerequisite: Biology 212. (Offered annually). Three hours credit.

322 ORNITHOLOGY. Identification, classifica-

tion, anatomy, life history and migration of birds. Individual observation is required. Biological principles are illustrated. One-hour lecture and two two-hour field or laboratory sessions. (Offered annually). Three hours credit.

323 AQUATIC BIOLOGY. Collection, identification and ecological position of fresh-water organisms. Taxonomic skills are developed. Offered at field station only (three weeks). Six four-hour lecture-laboratory sessions per week. Prerequisite: Biology 211 or 212. (Offered annually). Three hours credit.

331 COMPARATIVE ANATOMY. Classification, characteristics and comparison of typical chordate animals, with emphasis on the vertebrates. Two hours lecture and four hours laboratory per week. Prerequisite: Biology 212. (Offered annually). Four hours credit.

332 EMBRYOLOGY. The development of the chordate embryo is studied, the principal basis being frog, chick, and pig. Both prepared slides and living embryos are used. Two hours lecture and four hours laboratory per week. Prerequisite: Biology 212. (Offered annually). Four hours credit.

333 FIELD BIOLOGY FOR ELEMENTARY SCHOOL TEACHERS. Laboratory and field experiences in biology designed to equip the student to utilize the outdoors effectively in teaching. Prerequisite: Biology 100 or 211 and 212. (Offered at field station only during the summer term). Two hours credit.

351 PLANT PHYSIOLOGY. Vascular plant physiology, emphasizing photosynthesis, respiration, growth, biosynthesis, hormonal control and other aspects of metabolism. Three hours lecture

and two hours laboratory per week. Prerequisite: Biology 211. (Offered annually). Four hours credit.

362 GENETICS. The principles which govern heredity and variation in plants, animals, and man. Sufficient cytology is included to explain the physical basis of heredity. Laboratory time arranged. Prerequisite: Biology 211, 212, 241-242 or permission of instructor. (Offered annually). Four hours credit.

371 BACTERIOLOGY. Bacteria, viruses and molds that cause disease. The course deals with the fundamental principles underlying the activities of bacteria and with the preparation of slides and cultures. Two hours lecture and four hours laboratory per week. (Offered annually). Four hours credit.

393 JUNIOR PRACTICUM. These activities include field and laboratory studies which involve the student in experiences not readily available on campus. Four hours credit.

412 CELL BIOLOGY. A study of the organization and function of living matter at the cellular level. Two lectures and one two-hour laboratory period per week. Prerequisite: Biology 211 and 212 or permission of department head. Three hours credit.

491, 492 HONORS. This course involves research procedures and techniques as well as the literature of the particular problem. Open to junior and senior majors who have a B average in the field of study and with permission of the head of the department. (Offered annually). One or Two hours credit.

493 SENIOR CAPSTONE. Assigned problems designed to supplement, correlate, and emphasize

specific areas of biology. Majors only. (Offered annually). Four hours credit.

## Business & Economics

*Oakley, Groeneweg*

The Department of Business and Economics educates young men and women for participation in business and public administration consistent with the general purpose of Taylor University.

### *Accounting*

241 FUNDAMENTALS OF ACCOUNTING. Basic principles necessary for an intelligent understanding of the books and records used in business. Analyzing, recording, reporting, and interpreting internal and external business transactions. Use of accounting as a tool of business management. (Offered annually). Five hours credit.

342 INTERMEDIATE ACCOUNTING. Accounting theory related to assets, liabilities, and corporate equity; their valuation and classification in accounts and statements. Nature and measurement of business income and interpretation and analysis of financial statements. Prerequisite: B.E. 241. (Offered annually). Five hours credit.

372 COST ACCOUNTING. A study of the accumulation and use of cost accounting data for purposes of planning, control, inventory valuation and income determination. Includes a presentation of cost-volume-profit relationships, standard costs,



routine and non-routine budgeting techniques and relevant costs. Designed for the preparation of the management oriented executive. Prerequisite: B.E. 241. (Offered 1969-70). Five hours credit.

382 MANAGERIAL ACCOUNTING. Functional uses of accounting in management of the enterprise from the point of view of controller or chief financial executive. Emphasis on accounting as the primary means of communication on financial matters. Major topics include design, organization and adaptation of accounting to specific situations, external and internal report preparation, presentation and interpretation, control of costs and expenses, inventory policy, budgeting, auditing and profit planning. Prerequisite: Business Education 241. (Offered 1970-71). Five hours credit.

#### *Business Administration*

A major in Business Administration leading to the A.B. degree comprises 45 hours, distributed so as to include:

Statistics (Social Science 322) ————— 3 hours  
Economics courses ————— 8 hours  
Business Administration courses ————— 21 hours

At least 5 hours of accounting and 10 hours of non-accounting business courses should contribute towards this latter. The remaining hours to complete a 45-hour total must also include an approved representation of 3 hours from each of the following fields: Sociology (other than 241), Political Science (other than 321), and Mathematics (other than 201-202).

Students interested in pursuing advanced studies in business may refer to page 88 for details concerning the affiliation program with Indiana University.

311 BUSINESS LAW. The nature and sources of law. The law of contracts, agency and employment. The law of commercial paper, sales, insurance, personal and real property, partnerships, corporations, and bankruptcy. (Offered 1969-70). Five hours credit.

321 PUBLIC ADMINISTRATION (see Political Science 321). Three hours credit.

331 PRINCIPLES OF MARKETING. The relationship of institutions and processes involved in the flow of goods from producer to consumer. (Offered 1969-70). Three hours credit.

332 RETAILING. The techniques of retail buying and merchandising practiced by successful merchants. Broad management policies, sales promotion techniques, and analysis and planning of retail operations. (Offered 1970-71). Three hours credit.

351 PRINCIPLES OF MANAGEMENT. Successful management principles and techniques are given for all fields of business. These principles include business objectives, policies, functions, executive leadership, organization structure and morale, operative procedures, and control procedures. (Offered 1970-71). Three hours credit.

352 BUSINESS FINANCE. The problems of acquiring and administering the funds of modern business. Forms of business organizations; financial promotion; methods of short-term and long-term financing, financial management; expansion and reorganization. Prerequisite, B.E. 241. (Offered 1969-70). Three hours credit.

402 PERSONNEL ADMINISTRATION. The characteristics, purposes, objectives, and techniques of personnel administration in organizations. (Offered 1969-70). Three hours credit.





412 **PRINCIPLES OF ADVERTISING.** The relation of advertising to basic marketing strategy. Purposes and types; social, economic, and practical functions. Advertising management concept of creation, production, media, promotional campaigns, and problems. (Offered 1970-71). Three hours credit.

461 **INVESTMENT MANAGEMENT.** Elements of estate planning with main emphasis on securities: assessment and control of risk exposure, and principles of portfolio construction and supervision in the light of suitable objectives. Institutional and individual investment versus speculation. (Offered 1970-71). Three hours credit.

492 **HONORS SEMINAR** (See under Economics). One or two hours credit.

### *Economics*

A major in economics requires 25 hours of course work in this area and 5 hours of accounting. The Principles course is prerequisite to all other courses in economics.

201 **PRINCIPLES OF ECONOMICS.** The basic principles and institutions in the functioning of economic society, designed to acquaint the student with a knowledge of his economic environment. (Offered annually). Five hours credit.

301 **AMERICAN ECONOMIC HISTORY.** The history of the economic development of the people of the United States beginning with a survey of the colonial period, and treating agricultural and industrial progress, the rise of capitalism, and the present economy. (Offered 1969-70). Three hours credit.

302 **LABOR PROBLEMS.** The history of the labor movement in the United States and abroad.

U.S. labor legislation up to the present day. An analysis is made of the causes and manifestations of the unrest, the economic significance and major attempts to remedy this unrest by means of legislation. (Offered 1969-70). Three hours credit.

322 **INTERNATIONAL ECONOMICS.** The relationship, character and interactions of the world's major economies. The application of modern techniques of economic analysis to international economic theory. (Offered 1969-70). Three hours credit.

361 **PUBLIC FINANCE.** The expenditures, revenues, and debt management of government at Federal, State and Local levels. The effects of these governmental activities upon other segments of the economy. (Offered 1970-71). Three hours credit.

411 **PRIVATE ENTERPRISE AND PUBLIC POLICY.** An analytical review and valuation of governmental policies toward various types of private operation, big business, competition and combination, and real or presumptive monopoly in the American economy. Origins and contemporary significance of antitrust laws. (Offered 1970-71). Three hours credit.

421 **MANAGERIAL ECONOMICS.** A study of the applicability of economic knowledge to practical decision making in business plans, programs, and policies. (Offered 1970-71). Three hours credit.

422 **MONEY AND BANKING.** The history of money and banking and of the various monetary systems, including the Federal Reserve System, investment and commercial banks. This is followed by an analysis of the relationships among money, bank credit, foreign exchange, interest rates and prices. (Offered 1970-71). Three hours credit.

492 HONORS SEMINAR. An integration of the work of the department, through directed research, reading, or solution of actual business problems. Open to departmental majors having a B average in their field of study; to others, occasionally, by special permission of the department. (Offered annually). One or Two hours credit.

493 SENIOR CAPSTONE. An intensive four-week integrating experience required of departmental majors during the January inter-term of the senior year at Taylor. A planned field-investigation type of experience designed to unite the application of the business student's several acquired academic competences in an organized attack upon a real company situation. (Offered during the January inter-term only). Four hours credit.

## Chemistry

*Krueger, Burden, James Lee, Wolfe*

A major consists of 32 hours of chemistry. Required related courses are Mathematics 131, 232, 241, 342 (or their equivalent) and Physics 211, 212. A reading knowledge of German or French (usually interpreted as two years of college instruction) is strongly recommended for a chemistry major.

Natural Science 451 is recommended for all majors in their junior or senior year.

To be strongly recommended for Graduate School, a *chemistry major must have* Chemistry 431, 432 and Mathematics 342, 431.

To fulfill Indiana teaching requirements, a student majoring in chemistry must have a minimum of 34 hours of chemistry which must include 431, 432. Physics and calculus are prerequisite to physical chemistry.

201, 202 GENERAL INORGANIC CHEMISTRY. Designed to meet the needs of both the non-science major and the student planning a science-oriented career, two sections of this course are taught.

*Section A* presents an introduction to the modern concepts of atomic structure, chemical bonding and the structure and properties of matter. Elementary treatments of thermochemistry, thermodynamics, and chemical kinetics are included. Introductory experiences in qualitative and quantitative analysis are provided in the second term. A satisfactory score on a placement examination is recommended for admission to this section. Information on this examination should be obtained by the student as soon as possible.

*Section B* attempts to integrate theoretical concepts with applications relevant to modern society. Attention is given to surveying chemistry as a whole with emphasis on the fields of inorganic and organic chemistry.

*Section A* is strongly recommended for all chemistry majors and for majors in *any* of the natural sciences. Each section meets for three hours lecture, one recitation, and three hours of laboratory per week. (Offered annually). Four hours credit.

301 QUANTITATIVE ANALYSIS I. An introduction to modern theories and methods used in chemical separations and quantitative determinations. The laboratory includes gravimetric, volumetric (acid-base, precipitation, redox, complex forming) titrations. Lecture two hours per week

and laboratory six hours week. Prerequisite: Chemistry 202. (Offered 1969-70). Four hours credit.

302 QUANTITATIVE ANALYSIS II. A continuation of Chemistry 301 in various advanced types of analytical procedures. Also, a study of the general principles underlying instrumental methods with introductory laboratory experience in colorimetry, spectrophotometry, electrochemistry and gas chromatography. Lecture three hours per week and laboratory three hours per week. Prerequisite: Chemistry 301. (Offered 1969-70). Four hours credit.

311, 312 ORGANIC CHEMISTRY. A study of the chemistry of carbon compounds. The methods of preparation, the distinctive characteristics and reactions of the various types of aliphatic compounds and carbohydrates are studied the first term. In the second term a similar study is made of the aromatic compounds with an introduction to special classes of compounds, such as the proteins, terpenes, alkaloids and dyes. The laboratory work consists of preparation of various types of organic compounds, a study of their distinctive reactions and an introduction to qualitative organic analysis. Three hours recitation and six hours laboratory a week. Prerequisite: Chemistry 201, 202. (Offered 1970-71). Five hours credit.

393 JUNIOR PRACTICUM. The particular topics covered will be determined by the needs of the students enrolling and the recommendation of the department. Consideration will be given to topics such as elementary electronics as applied to scientific instrumentation, utilization of computers in solving chemical problems, and in depth experiences in various experimental and theoretical techniques. Individual research projects will be

encouraged. Off-campus experiences will be utilized where deemed appropriate by the department. (Offered annually). Four hours credit.

411 ADVANCED ORGANIC CHEMISTRY. Properties and reactions of organic compounds are correlated with chemical structure. In the laboratory, compounds are systematically identified through the medium of organic qualitative analysis using conventional (wet analyses) and modern instrumental techniques. Two hours recitation and six hours laboratory per week. Prerequisite: Chemistry 312. (Offered 1969-70). Four hours credit.

422 SCIENTIFIC INSTRUMENTATION. A study of the theory and techniques involved in the operation and application of modern scientific instrumentation. The approach will vary on alternate years. One year analytical applications will be emphasized. The following year functional aspects of system components will be stressed. Admission by consent of instructor only. Two hours lecture and six hours laboratory per week. (Offered 1970-71). Four hours credit.

431, 432 PHYSICAL CHEMISTRY. A study of the properties of gases, liquids, and solids, theory of solutions, homogeneous and heterogeneous equilibria, electrochemistry, chemical kinetics, thermochemistry and chemical thermodynamics. Prerequisites: Chemistry 201, 202, Physics 211, 212, and Mathematics 232, 241, 342. (Offered annually). Four hours credit.

491, 492 HONORS. Open to majors who have a B average in the field of study and with permission

of the head of the department. One or Two hours credit.

493 SENIOR CAPSTONE. An attempt will be made to integrate and correlate the topics with the student's previous work as well as provide enriching experiences in selected areas. (Offered during the January inter-term only).

## Computer Science

*W. Roth*

222 INTRODUCTION TO COMPUTING. An algorithmic approach to the description and solution of computational problems which occur in many fields including business, education, social sciences, and physical sciences. An introduction to the techniques and languages used in programming digital computers, with numerous laboratory problems primarily using the FORTRAN language. Good program design and careful documentation are stressed. Two hours lecture and two hours laboratory per week. (Offered annually). Three hours credit.

Remark: A more thorough description and renaming of Natural Science 222.

321 INTERMEDIATE PROGRAMMING. The study of programming languages with emphasis on the structure and use of assembly languages. Machine structure, additional programming techniques, and the concepts of systems analysis. Prerequisite: Computer Science 222. (Offered 1969-70). Three hours credit.

## Education

*Haines, Andrews, Brause,  
Bromley, Hess, Hodson, Vanzant*

The Department of Education works in cooperation with other departments to prepare students for teaching in elementary and secondary schools. Admission to, retention in, and completion of an approved teacher education program at Taylor University are administered by the Director of Teacher Education. The objectives of the department are:

1. to provide guidance for the Taylor University program of teacher education.
2. to provide professional education which is needed to develop the insights and skills of a professional teacher.
3. to assist the students completing the teacher education program to obtain the teaching position for which they are best qualified.

Admission to and continuation in the teacher education program is subject to the approval of the Teacher Education Committee, departmental recommendations, and a cumulative GPA of 2.5 or above. The committee acts upon each student's application for admission to the teacher education program during his fourth term; however, his status may be reviewed at any time. A major review of all applications is made prior to placement for student teaching.

Students desiring to prepare for teaching should follow the steps described below:

1. Enroll in Education 250, The Study of Teaching

and Learning, during the sophomore year.

2. Submit an application for admission to the teacher education program during the third term. Transfer students must complete at least one term at Taylor University prior to the consideration of an application.

3. Upon approval of the application for admission to the teacher education program, the student preparing to teach in the secondary schools will select a teaching field—an area major of at least 52 term hours or a teaching major of at least 40 term hours. A student may select a second teaching area of at least 24 hours. The students preparing to teach in elementary schools must follow the program as outlined by Taylor University for prospective elementary teachers.

Students seeking admission to the Taylor teacher education program through transfer from another institution must meet the standards required of regularly enrolled students. Transfer students may complete Education 250, The Study of Teaching and Learning, or its equivalent, at another institution. All other professional education courses must be taken at Taylor University.

Curricula for area majors and teaching majors have been planned, and listed course requirements may be obtained from the office of the Director of Teacher Education. Teaching fields in which preparation is provided at Taylor University are to be selected from the list which appears at the end of this paragraph. To indicate the level of preparation provided in each field, the following numbers appear after each subject name: (1) area major, (2) teaching major, (3) second teaching area (if desired).

Arts and Crafts (1) (2) (3)

Biology (2) (3)

Chemistry (2) (3)

Elementary Education (1)

English (2) (3)

French (2) (3)

General Science (3)

Mathematics (2) (3)

Music-Choral and Instrumental (1)

Music-Choral (2) (3)

Music-Instrumental (2) (3)

Physical Education and Health, men (2) (3)

Physical Education and Health, women (2) (3)

Physics (2) (3)

Psychology (3)

Social Studies (1) (2) (3)

Speech (2) (3)

Observation-participation experiences with children and youth are considered a vital part of the preparation of the teacher. Beginning with the first professional education course and continuing through the senior year, such experiences are required for each prospective teacher. The culmination of these professional experiences occurs during the fall term of his senior year with eight weeks of full time student teaching. During this final experience, the student is expected to live in the community in which he teaches and to assume, as much as possible, the total responsibilities of a teacher.

*All courses are offered annually.*

250 THE STUDY OF TEACHING AND LEARNING. A study of the organization, financing, significance, and role of the public school in American culture is completed. Historical, psychological, and sociological foundations are explored as they influence the role of the public school and of the teacher. An analytical study of teaching is made, including the nature of the learning process, concepts of teaching, leadership roles, and educational media. This course is team-taught and is the



introductory professional education course for all students entering the teacher education program. Four hours credit.

352 TEACHING LANGUAGE ARTS IN ELEMENTARY SCHOOLS. Methods, materials and audio-visual aids used in teaching the language arts, using resources in the Educational Media Center, are studied, evaluated, and demonstrated. Effective methods of storytelling are stressed. Taught concurrently with Ed. 362 by a team of instructors. Prerequisite: Ed. 250. Four hours credit.

362 TEACHING MATH, SCIENCE, AND SOCIAL STUDIES IN THE ELEMENTARY SCHOOL. Methods and materials of teaching mathematics, science, and the social studies are studied. Approximately one-third of the term is utilized for study of each subject. Instructors specifically prepared in each subject area are assigned the responsibility of guiding the work of the students. Development of units for teaching, construction of devices to be utilized in teaching, demonstration teaching, and work in the Educational Media Center are emphasized. A specialist in audio-visual aids works with the students in creatively developing teaching media. A team of instructors teaches this course concurrently with Ed. 352. Prerequisite: Ed. 250. Four hours credit.

381 INTELLECTUAL HISTORY OF CHRISTIANITY (See Religion 381). Five hours credit.

393 JUNIOR PRACTICUM. A junior level off-campus experience designed to further the student's understanding of the physical, social, emotional and mental development of the school-age person. A concentrated exposure to teaching in which the student acts as the educational leader under qualified supervision. All off-campus experi-

ences must be approved by the education professor in charge and by the Taylor Coordinator of Off-campus Activities. (Offered annually). Four hours credit.

411 DESIGNS FOR TEACHING AND LEARNING IN SECONDARY SCHOOLS. An intensive offering designed and team-taught as an integrated experience with professional student teaching. After a two-week participation-involvement September experience at his student teaching school where he has gathered pertinent data, the student begins an on-campus, in-depth study of application of learning theories to adolescents. Procedures in the secondary school classroom which will promote creative thinking and inquiry are stressed. Objectives, teaching methods, group dynamics, and classroom planning for specific subjects are studied. Approximately one-half of the time is devoted to the study of topics specifically related to the major field of preparation—Special Methods. Each student works under the direction of an instructor from the department of his major field of preparation for this phase of the course. A specialist in audio-visual aids works with the student to increase his proficiency in selection, creation, and use of educational media. After completing this course and Education 451, the student immediately returns to his school where he completes full-time student teaching. Enrollment in this course is concurrent with Education 451 and 421, comprising the Professional Term. Prerequisites are Education 250 and Psychology 230. Four hours credit.

421 SUPERVISED STUDENT TEACHING. Eight weeks of full-time, off-campus laboratory experiences are provided in cooperating elementary and secondary schools (elementary—first 8

weeks of fall term; secondary—second 8 weeks of fall term). Prerequisites: (a) Approval of the Committee on Teacher Education; (b) Senior standing; (c) Elementary—Ed. 250, Ed. 352, Ed. 362, Secondary—Ed. 250. Eight hours credit.

431 THE TEACHING OF READING AND CHILDREN'S LITERATURE IN ELEMENTARY SCHOOLS. Current issues in the teaching of reading in the elementary schools are considered. Reading interests of children are studied. Methods of determining and alleviating deficiencies are considered. Criteria for selection of materials are stressed. Attention is given to reading and evaluating various types of children's books. Team taught. Enrollment in this course is concurrent with Ed. 441 and Ed. 421, comprising the professional term. Four hours credit.

441 EVALUATION IN THE ELEMENTARY SCHOOLS. A study of the fundamentals of how to select standardized tests and interpret the results, how to construct and improve teacher-made tests, and how to combine both into a good evaluation program for the elementary schools. Four hours credit.

451 EVALUATION IN THE SECONDARY SCHOOLS. A study of the fundamentals of how to select standardized tests and interpret the results, how to construct and improve teacher-made tests, and how to combine both into a good evaluation program for the secondary schools. Team taught concurrently with Ed. 411. Four hours credit.

491, 492 HONORS. Maximum educational growth through the stimulation of initiative and the promotion of independent research is encouraged. Open to elementary education majors with

minimum average of B in the major. One or two hours credit.

493 THE PROFESSIONAL. A senior capstone course in elementary education. The student's preparation in general education, subject matter concentration, and professional education becomes a basis for a critical analysis of crucial issues and their meaning to the society at large, children and youth, the schools, the profession, and himself. Four hours credit.

## English

*Carruth, Davis, F. Ewbank, H. Lee  
Studebaker, Swan, VanTil, Walker*

Every student is required to take English 100 (unless he is granted advanced placement or selected for English 112) and one course in literature (preferably 230, 241 or 242).

For the Bachelor of Arts Degree the major in English consists of at least forty hours in addition to English 100 or 112. The following courses are required: 230, 241, 242, 311, 493 and two courses selected from 321, 331, 402, 412, 422.

The following program is offered for students qualifying to teach in the secondary schools: 200, 230, 241, 242, 300, 302, 311, 360, 493, two courses selected from 321, 331, 402, 412, 422, and either 341 or 342. The major requires at least forty-four hours in addition to Eng. 110 or 112 and Speech 100, or 200 or 322.

Students who major in English are urged to take History of England. It is also suggested that they elect courses in speech, philosophy, and foreign language.

*composition and language*

To qualify for graduation, all students must demonstrate the ability to read and write the English language acceptably. Any student who does not pass the English proficiency test in the sophomore year, or whose subsequent class work indicates a serious deficiency in English, will be required to correct the deficiency under the direction of the English Proficiency Committee.

100 FRESHMAN COMPOSITION. Designed to develop clarity and effectiveness in written composition. Weekly themes and readings in the modern essay. (Offered annually). Four hours credit.

112 ADVANCED FRESHMAN COMPOSITION. Mainly a seminar approach to writing, limited to a select group of freshmen. (Offered annually). Four hours credit.

200 PRINCIPLES OF JOURNALISM. Emphasis on writing news stories, features, editorials, reviews, and on newspaper make-up. Practice in reading and evaluation of major newspapers of the U.S. (Offered annually). Three hours credit.

300 GRAMMAR FOR TEACHERS. The structure of the English language and current English usage. Designed for prospective elementary and secondary teachers of English. (Offered annually). Three hours credit.

302 LINGUISTICS. A study of structural and transformation linguistics in historical and modern perspective. Open also to sophomores studying a foreign language. (Offered annually). Three hours credit.

311 ADVANCED COMPOSITION. Writing analytical and critical papers about literature. Stress on forceful and clear use of the language. (Offered annually). Three hours credit.

*literature*

230 WORLD MASTERPIECES. Selected masterpieces of Western world literature, 800 B.C. to the twentieth century. (Offered annually). Five hours credit.

241, 242 AMERICAN LITERATURE. Important works from Colonial times to Whitman during the fall term; from Whitman to the present in the spring term. (Offered annually). Four hours credit.

321 ROMANTIC LITERATURE. English poetry and prose of the Romantic Movement with emphasis on Wordsworth, Coleridge, Byron, Shelley, Keats, Lamb, Hazlitt, DeQuincey. (Offered annually). Four hours credit.

331 VICTORIAN LITERATURE. English poetry and prose from 1832 to 1890 with special emphasis on Tennyson, Browning, Arnold, Carlyle, Newman, and Ruskin. (Offered annually). Four hours credit.

341 MODERN DRAMA AND POETRY. Selected European, English, Irish and American plays since Ibsen. Significant English poets since Hardy and American poets since Whitman. (Offered annually). Four hours credit.

342 ENGLISH AND AMERICAN NOVEL. Selected English and American novels from Richardson to Faulkner. Readings in the history of the novel. (Offered annually). Four hours credit.

360 SHAKESPEARE. Plays and non-dramatic poetry, supplemented by background reading. (Offered annually). Three hours credit.

393 JUNIOR PRACTICUM. An off-campus employment experience other than student teaching or a travel-study program in this country or in England. Pass or fail course. Four hours credit.

402 ELIZABETHAN LITERATURE. A study of the prose and poetry of the Renaissance from More to Jonson, the drama excepted. Emphasis on the nature and development of Christian humanism. (Offered 1969-70). Four hours credit.

412 SEVENTEENTH CENTURY LITERATURE. A study of the principal writers of the seventeenth century, with emphasis on the religious poetry of Donne, Herbert, and Milton. (Offered 1970-71). Four hours credit.

422 NEO-CLASSICAL LITERATURE. Poetry and prose of the Restoration and the eighteenth century centered around Dryden, Addison and Steele, Pope, Swift, and Johnson. (Offered annually). Four hours credit.

491, 492 HONORS. Open to senior majors having a B average in English and having permission of the head of the department. (Offered annually). One or two hours credit.

493 SENIOR CAPSTONE. One in-depth study and a historical view of the periods and movements in English and American Literature. Seminar approach. (Offered annually). Four hours credit.

## Geography

*Jenkinson*

210 PHYSICAL GEOGRAPHY. The earth, its size, shape, and measurements, its surface features, and its natural resources in relation to cultural, economic, and commercial activities of man. (Offered annually). Four hours credit.

220 REGIONAL GEOGRAPHY. Assist students in acquiring certain basic ideas and supporting facts about contemporary world geography. The seven world regions studied: Europe, the Soviet Union, Latin America, Anglo-America, the Middle East, the Orient, the Pacific World. (Offered annually). Three hours credit.

230 POLITICAL GEOGRAPHY. The geographic interpretation of world relations. The relationships of geographic elements to the development of nations both past and present. (Offered annually). Three hours credit.

311 HISTORY AND GEOGRAPHY OF LATIN AMERICA (See History 311). Four hours credit.

312 HISTORY AND GEOGRAPHY OF ASIA (See History 312). Four hours credit.

482 HISTORY AND GEOGRAPHY OF AFRICA (See History 482). Four hours credit.

## History

*Mikkelson, Heath, Jenkinson, Olson,  
Ringenberg, Valberg*

Students majoring in the department are advised to plan a program with a proper balance between American and European history courses. All students expecting to major in the department who do not have a strong background in American history on secondary school level should take course 220 as early in their program as possible. At least thirty-four hours are required for a major in the A.B. program.

Students interested in obtaining requirements for teaching in the secondary schools are requested to consult the department chairman.

103 WORLD HISTORY. A general survey of the development of civilization from earliest times to the present. Required of all freshmen during the inter-term session. (Offered during the January inter-term only). Four hours credit.

220 HISTORY OF THE UNITED STATES. Treats the progressive social, political, and cultural development of the people of the United States from the colonization period to the present. (Offered annually). Five hours credit.

301 AMERICAN ECONOMIC HISTORY (See Economics 301). Three hours credit.

311 HISTORY AND GEOGRAPHY OF LATIN AMERICA. A historical and geographical study of the nations between the Rio Grande River and Cape Horn. Attention is given to the development of each Latin American area and its relationship to the United States. (Offered 1970-71). Four hours credit.

312 HISTORY AND GEOGRAPHY OF ASIA. The Far East with emphasis on China, Japan and contiguous geographical areas. Attention is given to cultural, political and international relations in modern times. (Offered 1970-71). Four hours credit.

322 GREEK AND ROMAN HISTORY. The Greeks are studied from their beginnings through the Hellenistic period, and the Romans to the death of Justinian. Much attention is given to the influence of both on modern civilization. (Offered 1969-70). Five hours credit.

342 HISTORY OF ENGLAND. Along with the history of England itself a study is made of the

growth of the empire, international problems and English achievements in cultural and intellectual areas. (Offered annually). Five hours credit.

351 AMERICAN SOCIAL AND INTELLECTUAL DEVELOPMENT. A study of the impact of social and intellectual factors upon the American mind and upon the evolution of American institutions, with special emphasis upon religious history, the role of the Negro in America. (Offered 1969-70). Three hours credit.

352 RENAISSANCE AND REFORMATION (1500-1648). A study of the movements and leaders as vital factors in the transformation from medieval to modern times. (Offered 1969-70). Four hours credit.

371 AMERICAN FRONTIER HISTORY. The settlement and development of this nation from the Appalachians to the Pacific. The effect of the frontier upon national and international affairs. (Offered 1970-71). Three hours credit.

372 AMERICAN CONSTITUTIONAL DEVELOPMENT. The origin, adoption, and interpretations of the United States Constitution. Cases and readings on the powers of the federal government, judicial review, states rights, state police powers, federal commerce powers, and due process are analyzed. Prerequisites: History 220 and Political Science 100 or consent of the instructor. (Offered annually). Five hours credit.

381 RUSSIAN CIVILIZATION. Political, economic, and cultural history of Russia from the origin of the Russian state. The Russian Orthodox Church, its origin and influence. Russian literature, art and music of the nineteenth century. The Soviet governmental institutions and the relation to the Communist Party are examined. Recent

progress and problems in industry, agriculture and social welfare are considered. (Offered 1969-70). Four hours credit.

393 JUNIOR PRACTICUM. An off-campus course giving the student an historical experience in independent study. Optional for all juniors in the inter-term session. (Offered annually). Four hours credit.

421 COLONIAL HISTORY. The colonization of North America by the Spanish, French, Dutch, and English; European rivalries; colonial society; the Revolutionary War. (Offered 1969-70). Three hours credit.

422 HISTORY OF AMERICAN FOREIGN RELATIONS. A survey of the diplomatic relations of the United States from the beginning of our national history to the present. (Offered 1970-71). Three hours credit.

431 EUROPE FROM 1648-1914. Europe from the Peace of Westphalia to the beginning of World War I. (Offered annually). Four hours credit.

461 HISTORY OF THE MIDDLE AGES, 300-1500. The development of western civilization from the fall of the Roman Empire in the West to the Reformation. (Offered 1970-71). Five hours credit.

462 TWENTIETH CENTURY EUROPE. The men and movements which shaped the modern world. (Offered annually). Three hours credit.

471 NINETEENTH CENTURY U.S. HISTORY. Consideration of major developments, including Jeffersonian and Jacksonian Democracy, Reforms, Civil War, Reconstruction and Industrialization. (Offered annually). Three hours credit.

472 TWENTIETH CENTURY U.S. HISTORY.

A study of the political, military, economic and cultural development of the nation during its rise to world prominence. (Offered annually). Three hours credit.

482 HISTORY AND GEOGRAPHY OF AFRICA. To enable the student to acquire a systematic body of knowledge concerning the physical and cultural environments of Africa, both past and present, and to study the significant role which Africa plays in the modern world. (Offered 1969-70). Four hours credit.

491, 492 HONORS. Open to senior majors and minors who have a B average in the field of study and with permission of the head of the department. (Offered annually). One or two hours credit.

493 SENIOR CAPSTONE. An in-depth study of the field of history which includes philosophies of history, preparation of bibliographies, thesis writing. Required of all seniors in the inter-term session. (Offered during the January inter-term only.) Four hours credit.

## Mathematics

*Wenger, W. Ewbank, O'Brien, W. Roth*

The student expecting to major in mathematics must have one and one-half units of high school algebra and one unit of plane geometry, any deficiency to be made up before the beginning of the sophomore year. In the freshman year, students planning to major in mathematics and those pre-

paring for scientific work, including engineering, should be qualified to begin with course 131. If not, either or both of courses 101 and 102 may be taken.

An A.B. major consists of at least 43 hours. Courses 342, 361, 412, 461, 462, and 493 are required for the A.B. major.

A secondary teaching major or the B.S. in Ed. degree major consists of at least 43 hours, including courses 312, 342, 352, 361, 461, and 493.

At least one year of college physics is strongly recommended for all majors. Physics 341-342 has been designated as the course that may be used in the 43-hour teaching major as applied mathematics. Natural Science Seminar, NS 451, is recommended for all majors.

**101 COLLEGE ALGEBRA.** A review of the fundamentals of algebra, fractions, graphs, quadratics, logarithms, progressions, permutations, combinations, probability, and binomial theorem. Prerequisite: at least 1 unit of high school algebra. Does not count toward a major in mathematics. (Offered annually). Three hours credit.

**102 PLANE TRIGONOMETRY.** A study of the trigonometric functions, their relations to each other and their application to the solution of right and oblique triangles, trigonometric equations, identities, and logarithms. Does not count toward a major in mathematics. (Offered annually). Three hours credit.

**201-202 GENERAL MATHEMATICS.** A course designed for the preparation of elementary teachers. A study of the basic concepts of arithmetic, including historical development, skills in the use of numbers, the structure of the number system, and theory of arithmetic procedures, followed by the fundamentals of algebra and geome-

try. Does not count toward a major in mathematics. (Offered annually). Four hours credit.

**210 GENERAL MATHEMATICS.** A tutorial course covering the syllabus of Mathematics 201-202, designed for transfer elementary education students only, who require 1 or 2 hours to complete state requirements for teacher certification, or 1 or 2 hours to prepare them for Mathematics 202. May not be taken concurrently with Mathematics 202. Prerequisite: At least 2 hours credit in a mathematics course designed for elementary education majors in another institution. Does not count toward a major in mathematics. (Offered annually). One or two hours credit.

#### THE FOLLOWING FOUR COURSES FORM A TWO-YEAR SEQUENCE

**131 INTEGRATED ALGEBRA AND TRIGONOMETRY.** Advanced topics in algebra and selected topics in trigonometry with emphasis on trigonometric identities, mathematical induction, complex numbers, theory of equations, determinants, and matrices. (Offered annually). Four hours credit.

**232 CALCULUS WITH ANALYTIC GEOMETRY I.** Analytic geometry, functions, limits and derivatives, differentiation and integration of algebraic functions, applications of the derivative, and the definite integral. (Offered annually). Four hours credit.

**241 CALCULUS WITH ANALYTIC GEOMETRY II.** Analytic geometry, the differentiation and integration of elementary transcendental functions, integration by special methods, law of the mean, differentials, and further applications of the calculus. (Offered annually). Four hours credit.

**342 CALCULUS WITH ANALYTIC GEOME-**

TRY III. Analytic geometry, expansion of functions by Maclaurin's and Taylor's formulas, partial differentiation, multiple integration, infinite series, and an introduction to differential equations. (Offered annually). Four hours credit.

312 COLLEGE GEOMETRY. Advanced Euclidean plane geometry, with a brief survey of some of the non-Euclidean geometries and projective geometry. Prerequisite: Mathematics 232. (Offered annually). Four hours credit.

352 PROBABILITY AND STATISTICS. Basic concepts of probability, distributions of one and several variables, sampling theory, correlation, analysis of variance, and testing of statistical hypotheses. Prerequisite: Mathematics 342. (Offered annually). Five hours credit.

361 MODERN ALGEBRA. Set theory; development of the postulates of group theory, rings, integral domains, and fields. Prerequisite: Mathematics 232. (Offered annually). Four hours credit.

371 NUMERICAL ANALYSIS. Iterative and other algorithmic processes, propagation of error, solution of transcendental and polynomial equations, numerical differentiation and integration, matrix algebra, curve-fitting, numerical solution of differential equations, linear programming and Monte Carlo methods. Prerequisites: Computer Science 222 and Mathematics 342. (Offered 1970-71). Three hours credit.

393 JUNIOR PRACTICUM. Junior majors in mathematics only. A supervised off-campus experience related to some area of mathematics. (Offered annually). Four hours credit.

412 MATRIX ALGEBRA. Matrix theory, determinants, linear equations and linear dependence, vector spaces and linear transformations, charac-

teristic equation, and quadratic forms. (Offered annually). Four hours credit.

431 DIFFERENTIAL EQUATIONS. Solution of differential equations of the first order and first degree, orthogonal trajectories, linear differential equations with constant coefficients, nonhomogeneous equations by undetermined coefficients and variation of parameters, applications to vibration problems and electrical circuits, and an introduction to series solutions. Prerequisite: Mathematics 342. (Offered annually). Four hours credit.

461, 462 ADVANCED CALCULUS. Sequences, series, partial derivatives, multiple integrals, convergence, limits, continuity, differentiability, integration, the Gamma function, and functions of several real variables. Math 461 is prerequisite to Math 462. Math 342 is prerequisite to Math 461. (Offered annually). Four hours credit.

493 SENIOR CAPSTONE. Senior majors in mathematics only. To integrate all areas in mathematics and relate significant theory and research concerning each area. (Offered during the January inter-term only). Four hours credit.

## Modern Languages

*Jantzen, Gongwer, House, Karrasch*

Students pursuing the Bachelor of Arts Degree must present the equivalence of two years of a foreign language for graduation. Those who enter with a year or more of foreign language study will



be placed in language classes at the proficiency level indicated by either the Modern Language Association or the College Entrance Examination Board Language proficiency tests. Students who meet the minimum requirements when entering will be expected to take one course of the language studied above the 202 level.

A modern language major is offered only in French. This major consists of twenty-four hours above the freshman level for the A.B. program, and a teaching major of thirty-six hours above the freshman level for the B.S. program.

#### *French*

101-102 ELEMENTARY FRENCH. Stresses the use of spoken language, including the essentials of grammar, reading, dictation, and an introduction to French culture. Laboratory activities. (Offered annually). Four hours credit.

201-202 INTERMEDIATE FRENCH. Grammar review, oral practice, collateral readings. Laboratory activities. (Offered annually). Three hours credit.

221 FRENCH CONVERSATION AND COMPOSITION. Intended to develop facility in understanding, speaking, and writing French. Emphasis on conversation, composition, and dictation. Conducted primarily in French. Prerequisite: French 202 or equivalent. (Offered annually). Four hours credit.

222 INTRODUCTION TO FRENCH LITERATURE. Intensive and extensive reading to develop fluency and comprehension. Recommended for students intending to use French for language requirement in graduate school. Can be taken simultaneously with 202 by permission. (Offered annually). Four hours credit.

(French 221 or 222 are prerequisites to upper division courses.)

321 CLASSICISM. A survey of French classical literature, with emphasis on the dramas of Corneille, Racine, and Moliere. (Offered annually). Four hours credit.

322 RATIONALISM & ROMANTICISM. A survey of the development, and an intensive study of several representative works of each of these movements in French literature. (Offered 1970-71). Four hours credit.

332 REALISM, SYMBOLISM, & EXISTENTIALISM. A study of these movements in French literature with an intensive study of one work of each of several representative authors. (Offered 1969-70). Four hours credit.

393 JUNIOR PRACTICUM. A variety of organized and supervised educational experiences which will enhance the students language skill and his knowledge of French literature and culture. (Offered annually). Four hours credit.

412 FRENCH PHONETICS, MORPHOLOGY AND SYNTAX. An introduction to the systematic study of French phonology, and of the structure of words and sentences, with emphasis upon phonetic and structural contrasts between French and English. (Offered 1969-70). Four hours credit.

492 HONORS. Independent study of special phases of French literature and civilization. Open to senior majors with a B average in the field and with permission of the head of the department. One or two hours credit.

493 SENIOR CAPSTONE. Study of various aspects of French culture in relationship to history, literature, the arts, education, and religion, and the

application of these areas to the student's life experiences. (Offered during the January inter-term only). Four hours credit.

#### *German*

101-102 ELEMENTARY GERMAN. Pronunciation and the essentials of grammar. Oral expression developed through language laboratory activities. Independent prose reading each term. (Offered annually). Four hours credit.

201-202 INTERMEDIATE GERMAN. Intensive reading and grammar review. Laboratory activities. Independent prose reading each term. Prerequisite to upper division courses. (Offered annually). Three hours credit.

311 GERMAN ROMANTICISM. A survey of German Romanticism, including both the Frühromantik and the Spätromantik. Works by Kleist, Eichendorff, Brentano and E.T.A. Hoffmann are studied. (Offered annually). Four hours credit.

312 GERMAN REALISM. Intensive reading selected from the period of German Realism. Among the writers are Keller, Meyer, Storm, Stifter and Droste-Hulshoff. (Offered 1969-70). Four hours credit.

332 TWENTIETH CENTURY GERMAN LITERATURE. An introduction to modern German literature since Naturalism. The works of representative writers up to the present are studied. (Offered 1970-71). Four hours credit.

#### *Spanish*

101-102 ELEMENTARY SPANISH. The four skills of hearing, speaking, reading, and writing taught with stress in this prescribed sequence. Essentials of grammar. Laboratory activities. (Offered annually). Four hours credit.

201-202 INTERMEDIATE SPANISH. Intensive oral and reading practice in Spanish to develop fluency and rapid comprehension. Composition, grammar review, laboratory activities. (Offered annually). Three hours credit.

301 ADVANCED CONVERSATION. Major emphasis is placed on the aural-oral skills. Dictation exercises and conversational type compositions designed to develop clarity and spoken expression. (Offered annually). Three hours credit.

312 CONTEMPORARY SPANISH AMERICAN AUTHORS. A study of important literary works from the Romantic period to the present. (Offered 1969-70). Three hours credit.

322 REPRESENTATIVE SPANISH AUTHORS. Leading authors representing different literary periods and genres are studied. (Offered 1970-71). Three hours credit.

## Music

*E. Hermanson, Boyd, Carpenter, Dickey, Drake, Helbling, Kroeker, Kuiper, Sims, Spicuzza, Steyer*

The music department offers the Bachelor of Arts degree with majors in applied music, and the Bachelor of Science in Education degree with two programs that prepare students for teaching music on both the elementary and secondary levels.

**BACHELOR OF ARTS DEGREE:** This curriculum provides training in applied music, theory, literature and music history, as well as a compre-

hensive knowledge in general areas of learning. The applied major offers fields of concentration in organ, piano, symphonic instruments, and voice. This program is appropriate for those who plan to teach privately, or pursue graduate studies in applied music. It consists of 59 hours of music, plus the general curriculum requirements.

*suggested curriculum: bachelor of arts—applied music*

*freshman*

<i>fall term</i>	<i>inter-term</i>	<i>spring term</i>
FA 230/Mus. 140 Mus. 101 Soc./Psy. Rel./Eng. Physical Ed 100 Psychology 101	Hist. 103	FA 230/Mus. 140 Mus. 102 Soc./Psy. Rel./Eng. Physical Ed 100

*sophomore*

Mus. 241 THL I Mus. 201 Lab Sci Lang. Physical Ed.	Rel. 203	Mus. 242 THL II Mus. 202 Lang. Elective Physical Ed.
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*junior*

Mus. 341 THL III Mus. 301 Lang. Mus. 361 Elective	<i>off campus</i> Mus. 393	Mus. 342 THL IV Mus. 302 Lab Sci Elective
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*senior*

Mus. 401 Literature Mus. 411 Elective Elective	<i>Capstone</i> Mus. 493	Mus. 442 Mus. 402 Phil. 350 Elective
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*BACHELOR OF SCIENCE IN EDUCATION DEGREE (CHORAL):* The fifty-six hour program provides training in choral music at both the elementary and secondary levels. The choral program includes organ, piano, and voice majors.

*suggested curriculum: bachelor of science degree in music education (choral)*

*freshman*

<i>fall term</i>	<i>inter-term</i>	<i>spring term</i>
Mus. 140/FA 230 Eng. 100/Rel. 100 Psy. 200 Mus. 101 Psy. 101 Physical Ed. 100	Hist. 103	Mus. 140/FA 230 Eng. 100/Rel. 100 Mus. 102 Psy/Econ/Pol. Sci Physical Ed. 100

*sophomore*

Mus. 241 THL I Ed. 250 Geo. 210 Mus. 201 Physical Ed. 100	Rel. 203	Mus. 242 THL II Literature Soc/Econ/Pol. Sci. Mus. 202 Physical Ed. 100
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*junior*

Mus. 341 THL III Bio. 100 Mus. 351 Mus. 361 Mus. 301	<i>Elective</i>	Mus. 342 THL IV NS 220 Mus. 312 Mus. 301
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*senior*

Ed. 411 Ed. 421 Ed. 451	<i>Capstone</i> Mus. 493	Phil. 350 Mus. 402 Elective Elective
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## BACHELOR OF SCIENCE IN EDUCATION DEGREE (INSTRUMENTAL)

The fifty-six hour program provides training in instrumental music at both the elementary and secondary levels. The instrumental program includes Percussion, Brass, String or Wind instrumental majors.

*suggested curriculum: bachelor of science degree in music education (instrumental)*

### *freshman*

<i>fall term</i>	<i>inter-term</i>	<i>spring term</i>
<i>Mus. 140/FA 230 Eng. 100/Rel. 100 Psy. 200 Mus. 101 Psy. 101 Physical Ed. 100</i>	<i>Hist. 103</i>	<i>Mus. 140/FA 230 Eng. 100/Rel. 100 Mus. 102 Psy/Econ/Pol. Sci Physical Ed.</i>

### *sophomore*

<i>Mus. 241 THL I Ed. 250 Geo. 210 Mus. 201 Physical Ed. 100</i>	<i>Rel. 203</i>	<i>Mus. 242 THL II Literature Mus. 202 Soc/Psy Physical Ed.</i>
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### *junior*

<i>Mus. 341 THL III Bio. 100 Elective Mus. 301</i>	<i>Elective</i>	<i>Mus. 342 THL IV NS 220 Mus. 312 Mus. 362 Mus. 302</i>
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### *senior*

<i>Ed. 411 Ed. 421 Ed. 451</i>	<i>Capstone</i>	<i>Mus. 352 Mus. 402 Phil. 350 Elective Elective</i>
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*general information:* Non-music majors are encouraged to elect music courses and to join choral and instrumental ensembles. Those vitally interested in music may become associate members of Music Club.

See "Student Expenses" for listing of music fees (p. 18).

*admission information:* All prospective music majors should make application well in advance of the term in which they plan to enroll. A personal interview with the chairman of the department is highly advisable, especially if application for a music scholarship is being made. (See "Scholarship.")

Freshmen and transfer students majoring in music must audition either in person or by sending a tape recording. Auditions are held by appointment. The student should present standard representative works of the major composers in his major applied area.

Freshmen are given a music theory placement examination during New Student Week. Music majors transferring from an accredited institution must audition for placement in their major and minor instruments. A placement examination in music theory is required unless two years of basic theory have been completed. See section on "Admissions" for regulations on transfer of credit.

*academic information:* Attendance at student and faculty recitals, concerts, artist series, and music club is required of all music majors. Music majors must attend 80 percent of the scheduled programs each term. Excused absences should be submitted to the chairman of the department or the adviser of music club. If the student has a valid reason for being absent, an excuse must be granted by the chairman or adviser in advance of the program. Bachelor of Science majors are required to join

MENC (Music Educators National Conference). These meetings and Music Club are combined.

All music majors are heard in their major instrument by an examining committee at the end of each term. Proficiency examinations are given in the minor instrument at the end of the term in which the student fulfills the minimum requirement.

All music majors must perform in two closed recitals per term. Public recital performance is determined by the instructor. Bachelor of Arts students are required to give a full graduation public recital in their senior year. Bachelor of Science majors are required to give at least a half recital (public) in their junior or senior year.

All music majors must participate in at least one of the campus ensembles each term, except the professional term. Instrumental majors enroll in an instrumental ensemble and voice majors in a vocal ensemble. Exceptions are determined by the program the student follows. A maximum eight hours of ensemble counts toward graduation. If taken for no credit, it meets the ensemble requirements for music majors. All members of vocal ensembles are required to participate in the Oratorio Chorus. In a few cases, piano accompanying (with the approval of the department chairman) may be substituted as part of the ensemble requirement.

For guidance in the chosen major in music, see the assigned academic adviser and ask for the specific requirements sheet and a guide sheet. The adviser's aid and requirement and guide sheets should provide adequate assistance in planning the student's program.

#### *Applied Music*

101, 102, 201, 202 (p, o, v, b, d, s, w) APPLIED

MUSIC. The course consists of an applied lesson in the student's major instrument, minor instrument, and at least one ensemble. For music majors only. Four hours credit.

301, 302, 401, 402 (p, o, v, b, d, s, w) APPLIED MUSIC. The course consists of an applied lesson in the student's major instrument and at least one ensemble. For music majors only. Three or four hours credit.

Course numbers for organ, piano, voice, string, wind and percussion instruments are as follows: First year—101, 102; second year—201, 202; third year—301, 302; fourth year—401, 402. Initials following these course numbers are as follows: b—brass, o—organ, p—piano, d—percussion, s—string, v—voice, w—woodwinds.

101p to 402p PIANO. Applicants for admission to the course which leads to a piano major in music should be able to play with practice the easier sonatas by Haydn, Mozart, and Beethoven; School of Velocity, Op. 299, Czerny; Two and Three Part Inventions by Bach, or their equivalent, and the major and minor scales and arpeggios.

Work in piano will include the learning of proper practice methods, building good technique, acquiring sufficient repertoire, and gaining a broad knowledge of piano literature and the composers thereof. Students not majoring in music may enroll in piano courses suited to their backgrounds and needs. (Offered annually). One hour credit.

101o to 402o ORGAN. No previous organ study is required for entrance to this department but candidates for admission must have acquired a satisfactory piano technique, to be demonstrated by audition. Instruction is planned to include the learning of proper practice methods, acquiring a











broad knowledge of organ literature and composers, and the building of a repertoire suitable for church and recital. (Offered annually). One hour credit.

101v to 402v VOICE. Attention is given to artistic interpretation, development of good technique, building of correct physical and mental poise. Repertoire includes representative English, French, German, and Italian songs, as well as oratorio and operatic arias. Beginners with no previous training as well as advanced students may enroll. (Offered annually). One hour credit.

101 to 402 (b, d, s, w) INSTRUMENTS. Private instruction is offered in orchestral and band instruments. Work in instruments will include the learning of proper practice methods, building good technique, and acquiring sufficient repertoire. The music department has a limited number of instruments for use by students. It is advisable for each student to make provision to secure the instrument to be studied from other sources. Students not majoring in music may enroll in instrument courses suited to their backgrounds and needs. (Offered annually). One hour credit.

111, 112 CLASS VOICE INSTRUCTION. Open to students with no previous training. Classification of voice, breath control, and diction are stressed through technical exercises and appropriate song material. (Offered annually). One hour credit.

141, 142 CLASS PIANO. Piano instruction for students of limited or no previous keyboard background. This is a course in practical keyboard facility, sight-reading, elementary improvisation, and harmonization of folk melodies and songs. Admission with approval of instructor. (Offered annually). One hour credit.

361 CHORAL CONDUCTING. Techniques of choral conducting. Participation in conducting and reading of choral materials. (Offered annually). Two hours credit.

362 INSTRUMENTAL CONDUCTING. Techniques of instrumental conducting. Participation in conducting and reading of instrumental materials. (Offered annually). Two hours credit.

382 PIANO METHODS AND MATERIALS. Lectures on the methods used in teaching piano, the problems of teaching and the development of technique. Evaluation of materials used for teaching different age groups at various stages of advancement. (Offered annually). One hour credit.

411, 412 SUPERVISED PIANO TEACHING. Supervised teaching of both private and class lessons for elementary age children, including conferences with supervisor for guidance. Prerequisites: advanced piano study and Music 382. (Offered annually). One hour credit.

451 INSTRUMENTAL METHODS AND MATERIALS. For description of course see Music 461. (Offered 1969-70). One hour credit.

452 VOICE METHODS AND MATERIALS. For description of course see Music 461. (Offered 1969-70). One hour credit.

461 ORGAN METHODS AND MATERIALS. For students preparing to teach applied music. Emphasis is placed on the teaching of interpretation and style, memorization, sight reading, technique, lesson procedures for individual and group instruction; survey, analysis, and evaluation of teaching materials. (Offered 1970-71). One hour credit.

462 ADVANCED CONDUCTING. General re-

finement of the conducting technique and the development of critical listening. Practical experience in conducting university ensembles. (Offered annually). Two hours credit.

#### *Church Music*

220 CHURCH PIANO CLASS. Technique, sight reading, keyboard harmony, transposition, and modulation are adapted to the needs of church services, formal and informal with emphasis on hymn playing and accompaniments for choir and congregational singing. In most cases, accompanists desiring to represent the school off campus are required to take this course at least one term. Prerequisite: Ability to play hymns as written or admission by instructor. (Offered annually). One hour credit.

230 FUNDAMENTALS OF CONDUCTING. Fundamental conducting techniques and training in song leadership for church and school groups. Basic procedures in choir leading. Practical conducting experience. In most cases, song leaders will be required to enroll in this course before being permitted to direct church music off campus. Credit does not count toward graduation if student majoring in music. (Offered annually). One hour credit.

371 HYMNOLOGY. The historical development of hymns and hymn tunes from their earliest beginnings to the present; standards for analysis and evaluation. (Offered annually). Two hours credit.

#### *Ensemble*

260, 360 CHORALE. Approximately 40 mixed voices, the majority go on the annual spring tour. Students are chosen by audition. The repertoire includes a varied program of literature selected

from early centuries through contemporary periods, including hymns and spirituals. Members are required to register for Oratorio Chorus. 360 is restricted to juniors and seniors. (Offered annually). One hour credit.

270 ORATORIO CHORUS. Open by audition to all students enrolled in the university. Numbering over 200 voices, this organization presents master choral works. (Offered annually). One hour credit.

280, 380 SYMPHONIC BAND. An organization of 80 to 90 selected wind and percussion performers, the Symphonic Band serves the university in the fall by providing music for the home football games. 380 is restricted to juniors and seniors.

Primarily a symphonic group, the band performs at least three major concerts throughout the school year and makes an annual spring tour to various parts of the country. The band also serves as host for high school band festivals and clinics during the school year. (Offered annually). One hour credit.

290, 390 SYMPHONY ORCHESTRA. Instrumentalists selected from the campus and surrounding communities. Performances with choral groups and full orchestral concerts highlight each season. 390 is restricted to juniors and seniors. (Offered annually). One hour credit.

310 CHAMBER ENSEMBLES. A choice of a small vocal, brass, woodwind or string group which will meet separately and will be under different directors who are specialists in these fields. These groups perform at chapel and in concerts. Selected by audition. (Offered annually). One hour credit.





*Music Education*

221 PERCUSSION INSTRUMENTS. Class instruction for public school teaching. (Offered annually). One hour credit.

222 BRASS INSTRUMENTS. Class instruction for public school teaching. (Offered annually). One hour credit.

231 WOODWIND INSTRUMENTS. Class instruction for public school teaching. (Offered annually). One hour credit.

232 STRING INSTRUMENTS. Class instruction for public school teaching. (Offered annually). One hour credit.

300 MUSIC IN THE ELEMENTARY CLASSROOM. Notation, tonal and rhythmic aspects of music for the purpose of developing in the non-music major the ability to conduct music activities at an elementary level. Methods of teaching and correlating music and rhythmic activities in the programs of the elementary school. (Offered annually). Four hours credit.

312 ELEMENTARY SCHOOL MUSIC. For music majors on B.S. programs. Methods, materials, child voice, song repertoire, interpretation, listening, reading, audio-visual and recordings. (Offered annually). Two hours credit.

431 INSTRUMENTAL METHODS FOR SECONDARY SCHOOL TEACHERS (See Education 411). Objectives and techniques of the instrumental program in the secondary school, with emphasis on rehearsal procedures, repertoire, and organization. Prerequisite or concurrently, Education 411. (Offered professional term annually). Two hours credit.

432 CHORAL METHODS FOR SECONDARY

SCHOOL TEACHERS (See Education 411). Objectives and techniques of the choral program in the secondary school, with emphasis on rehearsal procedures, repertoire, and organization. Prerequisite or concurrently, Education 411. (Offered professional term annually). Two hours credit.

491, 492 HONORS SEMINAR. Practical research to further integrate the student's major field of interest at the undergraduate level, or intensive research in theoretical or musicological aspects of music to provide background for graduate study. (Offered annually). One or two hours credit.

*Music Theory, History and Literature*

140 BASIC THEORY. Elemental structure and style of music is learned through the development of writing and analysis of music. (Offered annually). Four hours credit.

241 MUSIC THEORY, HISTORY AND LITERATURE I. An integrated approach to the development of music from Grecian time through the year 1600. Representative music and concomitant phases of political history and art are correlated with aural, written, keyboard, and analytical techniques of this period of history. (Offered annually). Four hours credit.

242 MUSIC THEORY, HISTORY AND LITERATURE II. An integrated approach to the development of music from the year 1600 through 1800. Representative music and concomitant phases of political history and art are correlated with aural, written, keyboard, and analytical techniques of this period of history. (Offered annually). Four hours credit.

341 MUSIC THEORY, HISTORY AND LITERATURE

ATURE III. An integrated approach to the development of music from the year 1800 through 1900. Representative music and concomitant phases of political history and art are correlated with aural, written, keyboard, and analytical techniques of this period of history. (Offered annually). Four hours credit.

342 MUSIC THEORY, HISTORY AND LITERATURE IV. An integrated approach to the development of music from the year 1900 to present time. Representative music and concomitant phases of political history and art are correlated with aural, written, keyboard, and analytical techniques of this period of history. (Offered annually). Four hours credit.

332 JAZZ AND ITS DEVELOPMENT. Historical survey with emphasis on jazz artists, their style, and innovations. Credit does not count toward graduation if student is majoring in music. (Offered annually). Two hours credit.

351 CHORAL ARRANGING. The ranges, tonal possibilities and technical limitations of the different voices; the analysis of scores of standard choral compositions. Arranging and adapting scores for various vocal combinations. (Offered annually). Two hours credit.

352 INSTRUMENTAL ARRANGING. Band and orchestral instruments are studied with a view to practical and effective writing. Arranging of compositions for various instrumental combinations. Students will be expected to arrange a composition for full orchestra at the close of the term. (Offered annually). Two hours credit.

393 JUNIOR PRACTICUM. The particular topics covered will be determined by the needs of the students enrolling and the recommendation of

the department. (Offered annually). Four hours credit.

421 COUNTERPOINT. The fundamental principles of eighteenth century polyphonic composition, combined with a study of the formal designs and methods of structural treatment used in the harmonic contrapuntal concept of music. (Offered 1969-70 only). Two hours credit.

442 COMPOSITION. Original composition in advanced forms. Emphasis on development of individual style of expression. (Offered annually). Four hours credit.

472 PIANO LITERATURE. Piano works chosen from a given era or composer. Lecture, performance, and recorded examples. Open to piano majors and others by permission of instructor. (Offered annually). Two hours credit.

482 A STUDY OF ITALIAN, FRENCH, AND GERMAN REPERTORY. A special emphasis on diction of Italian, French, and German as it applies to singing. (Offered annually). Two hours credit.

493 SENIOR CAPSTONE. Senior music majors only. A culmination of work done in the field of music and its relatedness to other disciplines. (Offered during January inter-term only). Four hours credit.

## Philosophy

*Carter, Nygren, Wilson*

The Department of Philosophy offers two majors, namely, a Philosophy Major and a Philosophy of Religion Area Major.

*Philosophy of Religion Area Major*

*Philosophy and Religion Departments Staff*

Philosophy of Religion Major: thirty-six hours in the Departments of Philosophy and Religion with a minimum of fifteen hours in each of the two departments. This major must include Philosophy 272, 331 or 332, 352 or 431, and Religion 311, 381 and 461 (with special permission of the Head of the Department of Philosophy, in exceptional cases Philosophy 350 may be substituted for Religion 461), plus no less than six hours of Bible preferably divided between the Old and New Testaments. Religion 203, but not 100, may be counted on this major. Philosophy of Religion majors will be required to take the Senior Capstone Course, Philosophy 493.

*Philosophy Major*

A philosophy major consists of thirty hours, and must include courses 201, 272, 331, and 350 (in exceptional cases Rel. 461 may be substituted for Phil. 350, with permission of the Head of the Department of Philosophy).

201 LOGIC. This course is concerned with the principles of correct thinking. It examines the laws of deductive and inductive reasoning, takes note of their essential interrelationships, and treats them in relation to scientific, symbolic, and other areas of contemporary thought. A treatment of the related discipline of epistemology, which investigates the origin, structure, methods and validity of knowledge, is included. (Offered annually). Four hours credit.

272 ETHICS. A survey of the main historical and contemporary ethical principles and systems, with their practical application to the pressing personal, social, economic, and political problems of our day. (Offered annually). Three hours credit.

331 HISTORY OF PHILOSOPHY (Ancient Medieval and Modern). A survey of the development of philosophical thought from the ancient Greeks to the contemporary period. (Offered annually). Four hours credit.

332 HISTORY OF AMERICAN PHILOSOPHY. The influence of European philosophies upon American thought and way of life from the Puritans onward is surveyed. Special emphasis is given to the main philosophical schools that developed in America, such as pragmatism and its influence upon education and personalism in relation to religion. The rise and influence of the American cults will also be considered. (Offered annually). Four hours credit.

341 CONTEMPORARY PHILOSOPHY. A special study will be made of contemporary philosophical movements such as existentialism, analytic philosophy, logical positivism, the philosophy of science, and certain current derivatives from these movements. (Prerequisite: Phil. 331 or 332, or by special permission of the professor.) (Offered 1969-70). Four hours credit.

342 AESTHETICS. The psychology of the aesthetic experience and an interpretation of the philosophy of aesthetic values. This is an excellent course for the philosophy major and is of special cultural value for the general student. (Required of all Art majors.) (Offered annually). Two hours credit.

350 PHILOSOPHY AND CHRISTIAN THOUGHT. An introduction to the basic problems of philosophy and their relation to classical Protestant Christian thought designed to acquaint the student with the terminology and concepts of philosophy and their relationship to the basic



Christian teachings. The aim is the integration of all knowledge and the development of a Christian philosophy of life. (Prerequisite: junior standing, except by special permission. Required of all students except those who take Rel. 461 and Phil. 272.) (Offered each term). Four hours credit.

352 PHILOSOPHY OF RELIGION. The problems and conceptions of religion, together with their implications for theism and Christianity. Special attention will be given to the development of religious philosophy as it relates to the modern cults, secular religion, neo-orthodoxy and other current religious trends. (Offered 1969-70). Three hours credit.

431 ORIENTAL RELIGIOUS PHILOSOPHY. An examination of primitive animism, followed by a careful study, from the philosophical perspective, of the great Oriental religious systems and the recent cults that have emerged from these systems. Special attention will be given to the similarities and differences of these various systems, and their major influences upon the development of the cultures of their respective areas. Certain comparisons and contrasts with the Christian faith will be noted. (Offered 1970-71). Four hours credit.

432 MAJOR CLASSICAL PHILOSOPHIES. The problems and principles of philosophy as found in the major philosophical works of one or more of the historically great philosophers such as Plato, Aristotle, Immanuel Kant, Hegel, William James or others will be studied thoroughly. (Offered annually). Two hours credit.

441 METAPHYSICS. The exposition and critical examination of the principle hypotheses concerning the nature of reality. Some of the more general features of being are viewed, both as existing and

causing, in order to determine their significance for the human person and society. (Offered 1970-71). Two hours credit.

442 SOCIAL AND POLITICAL PHILOSOPHY. An examination of the presuppositions, implications and structures of certain major representative social and political theories and systems. (Offered 1970-71). Four hours credit.

491, 492 HONORS. Open to senior majors who have a B average in the field of philosophy, and with permission of the Head of the Department of Philosophy. (Offered on demand). One or two hours credit.

493 SENIOR CAPSTONE. An inter-term course required of all philosophy and philosophy of religion senior majors (unless by special permission of the Head of the Philosophy Department permitted to substitute the RELIGION CAPSTONE COURSE, Rel. 493). Designed to integrate the student's total philosophical education. (Offered during the January inter-term only). Four hours credit.

## Physical Education & Health

*Glass, Blume, Gates,  
Jones, King, Odle*

Opportunity is given for all students to take part in the organized physical education program which is carried on throughout the year. An extensive intramural program offers participation in all

sports and leisure-time use of recreational facilities is encouraged. The college promotes a program of intercollegiate athletics for men and women in which high standards of scholarship and sportsmanship are fostered for all participants. Intercollegiate contests for men are held in baseball, basketball, cross-country, football, golf, tennis, track and field, and wrestling. Basketball and field hockey are available to women. A physical examination, for which there is no additional charge, is required of all who participate in intercollegiate athletics.

Men expecting to complete a teaching major in physical education and health leading to a B.S. in Education degree must have 40 hours of credit in physical education and health, including the following courses: 101, 212, 221, 241, 242, 300, 301, 402, 431, 432, and 493. In addition to these courses, two of the following four courses must be completed: 261, 312, 351 and 382. Also one of the following courses must be selected: 332, 381, or 392. Men who are expecting to complete a second teaching area in physical education and health must have 24 hours of physical education credit including the following courses: 101, 221, 301, 402, 431, and 432. P.E. 100 does not apply toward a major or second teaching area.

Women who wish to complete a teaching major in physical education and health must have 40 hours of credit in physical education and health, including the following courses: 101, 212, 221, 241, 242, 300, 301, 341, 342, 402, and 493. Also one of the following courses must be selected: 332, 381, or 392. Women wishing to complete a second teaching area in physical education and health must have 24 hours of physical education credit including the following courses: 101, 221,

301, 341, 342, and 402. P.E. 100 does not apply toward a major or second teaching area.

Students interested in training and working in the area of Corrective Therapy may do so through the physical education department and its affiliation with the Veterans Administration Hospital in Marion, Indiana. Those interested must enroll in P.E. 392 and 420 and plan their schedules with the head of the physical education department.

Only approved dress items for physical education classes may be worn in class. If the student already owns non-marking gym shoes, these are acceptable.

**100 GENERAL PHYSICAL EDUCATION.** Provides the understanding and skills necessary to participate in a variety of activities which should improve one physically, socially, spiritually, and mentally. Required of all students, and taken during the first two years. Does not apply toward a major. (Offered annually). One hour credit.

**101 FOUNDATION OF PHYSICAL EDUCATION AND HEALTH.** Designed to give the student an understanding of the place of physical education in the world today. Includes the history of physical education, contemporary happenings, and the theories of physical education. (Offered annually). Four hours credit.

**112 ELEMENTARY SCHOOL HEALTH, SAFETY AND FIRST AID.** Provides the elementary education student a basic understanding of what should be taught to the elementary school students concerning health and safety. Also deals with the basic knowledge of the field of first aid. Includes both content and methods. (Offered annually). Three hours credit.

**212 RECREATION AND CAMPING.** A study of

the place of recreation and camping in our American society. Deals with the planning, promotion, and supervision of all types of recreation programs. May be taken at the summer camp with a greater camping emphasis. (Offered annually). Four hours credit.

221 GYMNASTICS. Designed to give a physical education instructor an understanding of the place for and skills of gymnastics in order that they might be used to a greater advantage in physical education. (Offered annually). Three hours credit.

240 ELEMENTARY SCHOOL GAMES AND RHYTHMICS. A study of games and rhythmic activities that can be used in the public school as well as how they can be taught by the elementary teacher. (Offered annually). Two hours credit.

241-242 HUMAN ANATOMY AND PHYSIOLOGY (see Biology 241-242). Four hours credit.

252 PHYSICAL EDUCATION IN ELEMENTARY. A study of games and rhythmic activities that can be used in the public school as well as how they can be taught by the elementary physical education specialist. (Offered annually). Four hours credit.

261 COACHING OF BASKETBALL. Offensive and defensive play are studied, with emphasis on modern trends in basketball. Rules, fundamentals, schedule making, scouting, care and choice of equipment, and techniques of team selection are included. (Offered annually). Three hours credit.

300 AQUATICS, FIRST AID AND ATHLETIC INJURY CARE. Includes the development and improvement of aquatic activity awareness. Also, a study of the principles and teachings of a first aid program. In the area of athletic injuries, emphasis is placed upon common injuries, dealing with pre-

vention, recognition, and care. Open only to sophomore, junior and senior majors. (Offered annually). Four hours credit.

301 SCHOOL HEALTH EDUCATION AND SAFETY. Proper health and safety practices are studied, with emphasis on the materials that should be taught in a high school health class. (Offered annually). Four hours credit.

312 COACHING OF BASEBALL. Aimed at providing the student an understanding of the fundamentals and strategy of both the offensive and defensive sides of baseball. Also included are problems pertinent to a baseball coach. (Offered 1970-71). Three hours credit.

332 ADVANCED SCHOOL HEALTH EDUCATION. Development and strengthening of the understanding of proper health practices. Methods and materials that can be used in teaching a high school health class are considered. Prerequisite: P.E. 301. (Offered 1969-70). Two hours credit.

341-342 TEAM AND INDIVIDUAL SPORTS (WOMEN). Techniques of playing, teaching, coaching and officiating individual and team sports. (Offered annually). Four hours credit.

351 COACHING OF FOOTBALL. A presentation of modern football including both the advantages and disadvantages. Game fundamentals such as punting, passing, blocking, and tackling are studied. Attention is also given to the care and purchase of equipment, selection of squad, selection of managers, and selection and supervision of assistants. (Offered 1970-71). Three hours credit.

371 TECHNIQUES OF DRIVER EDUCATION. Provides preparation for high school teachers of driver education. Both the classroom phase and

the behind-the-wheel techniques are presented. Every enrollee will have an opportunity to teach automobile driving to beginners. Open to junior and senior men physical education majors. (Offered annually). Three hours credit.

381 KINESIOLOGY AND PHYSIOLOGY OF EXERCISE. Analysis of human motion based on anatomical and mechanical principles combined with the study of the physiology of muscular activity. Emphasis is given to the principles of movement, fatigue, and conditioning in teaching physical education and coaching athletics. Prerequisite: P.E. 241-242. (Offered annually). Four hours credit.

382 COACHING OF TRACK AND FIELD. Track and field activities are discussed with demonstrations of techniques and proper form for each. Further study is made in the care of injuries, purchase and care of equipment, scheduling, and management of track and field meets. (Offered 1969-70). Three hours credit.

392 CORRECTIVE AND REMEDIAL EXERCISE. The student is provided an opportunity to develop the ability to analyze activity, identify injury and malformation, and prescribe proper conditioning and corrective exercise. (Offered annually). Three hours credit.

393 JUNIOR PRACTICUM. Experience in the area of physical education. Individual program set up with permission of head of the department. (Offered annually). Four hours credit.

402 ORGANIZATION, ADMINISTRATION, AND EVALUATION OF PHYSICAL EDUCATION. Methods of organizing and administering a physical education, intramural, and athletic program are studied, as well as the methods of testing

and evaluation that should be used in physical education. Considerable time is spent discussing budgeting, purchasing, and care of athletic equipment. (Offered annually). Four hours credit.

420 CLINICAL OBSERVATION AND PRACTICE IN CORRECTIVE THERAPY. An intensive six-week course under the auspices of the professional staff of the Veterans Administration Hospital, Marion, Indiana. Provides classroom and practical clinical experience in corrective therapy as integrated into the Physical Medicine and Rehabilitation program of a hospital. Open to senior and graduate physical education majors. Prerequisite: PE 392 and permission of the instructor. (Offered annually, and throughout the summer). Six hours credit.

431 TEAM SPORTS FOR MEN. Designed to give the physical education instructor an understanding of team sports. Methods and techniques of teaching these sports are considered. Team sports studied are soccer, speed ball, touch and flag football, lacrosse, mass team games, and the use of various pieces of physical education equipment. (Offered annually). Three hours credit.

432 INDIVIDUAL SPORTS FOR MEN. A study of individual sports as well as methods and techniques of presenting these to a class. Individual sports studied are archery, badminton, bowling, golf, hand ball, shuffleboard, tennis, table tennis, weight lifting, wrestling, paddle tennis, and snow activities. Individual and dual games for use in general physical education classes are also considered. (Offered annually). Three hours credit.

491, 492 HONORS. Open to individuals completing a teaching major or a second teaching area who have a B average in the field of study and

with permission of the head of the department. One or two hours credit.

493 SENIOR CAPSTONE. Senior majors in physical education only. A culmination of and a critique of the work done in the field of physical education. (Offered during January inter-term only). Four hours credit.

## Physics

*Nussbaum, Burden, Roth, Wolfe*

A major consists of 32 hours in physics. Mathematics 431, Chemistry 431, 432, and Natural Science Seminar, NS 451, are also required.

211-212 GENERAL COLLEGE PHYSICS. Mechanics, heat and sound are studied in the first term; magnetism, electricity and light are studied in the second term. Four lectures and two hours laboratory per week. Concurrent enrollment in calculus is recommended. (Offered annually). Five hours credit.

311, 312 MODERN AND NUCLEAR PHYSICS. Atomic and nuclear structure, natural and induced radioactivity, nuclear radiation detection, charged particle interactions, neutron physics, relativity and quantum properties of photons and particles. Three lectures and two hours laboratory per week. (Offered annually). Four hours credit.

321, 322 ELECTRICITY, MAGNETISM, AND WAVES. A unified study of electric charge, forces, field and potential; capacitance and dielectrics; moving charges and magnetic fields; Maxwell's

equations and electromagnetic waves; propagation of waves and waveguides.

Three lectures and two hours laboratory per week. Laboratory experiments in the first term emphasize electrical measurements. Optics experiments are performed in the second term. (Offered alternate years 1969-70). Four hours credit.

332 PHYSICAL ELECTRONICS. A course dealing with the theory and application of electron tubes and solid state devices. Emphasis is placed on those properties of components and electronic circuits which are of special interest to the physicist. Three lecture and two hours laboratory per week. (Offered alternate years 1969-70). Four hours credit.

341-342 ANALYTICAL MECHANICS. A vector treatment of mechanics. A study of statics, including equilibrium, virtual work, elasticity and gravitational potential followed by an introduction to dynamics including kinematics, oscillations, energy, central forces, planetary motion and collisions. Three lectures per week. Prerequisite: Physics 212. Co-requisite: Mathematics 431. (Offered annually). Three hours credit.

393 JUNIOR PRACTICUM. A limited number of qualified students may devote the January inter-term or the summer months to research projects or group experiments in the Physics Department's facilities or at one of the national laboratories. Four hours credit.

491, 492 HONORS. Open to majors who have a B average in the field of study and with permission of the head of the department. One or two hours credit.

493 SENIOR CAPSTONE. A unifying and integrating course presenting a quantum mechanical

view of physics. (Offered during the January inter-term only). Four hours credit.

## Political Science

*Loy, Mikkelson, Valberg*

A major consists of 32 hours. All majors must include Political Science 312, 342, 411 and 493. Political Science majors are also encouraged to take Sociology 322.

100 UNITED STATES POLITICAL PROCESS. Primary emphasis will be given to the democratic character of American government. The course will consider the constitutional system and civil liberties as well as the institutions of American government. (Offered annually). Three hours credit.

202 UNITED STATES FOREIGN POLICY. A study of the formation and conduct of American foreign policy. Covers the idealism-realism debate, foreign aid, and participation in international organizations as well as the general international environment of United States foreign policy. (Offered annually). Three hours credit.

301 EUROPEAN GOVERNMENTS. A study of the constitution, organs of government, public administration, and political parties of the principal European powers. (Offered 1970-71). Four hours credit.

312 DEVELOPMENT OF PUBLIC POLICY. Describes and examines the political process in-

cluding the voting behavior of the people and the functions and interactions of political parties, interest groups, and public opinion in a democratic polity. (Offered annually). Four hours credit.

321 PUBLIC ADMINISTRATION. An examination of structure, function, organization, and personnel of public administration. Emphasis on American bureaucracy and the problems of public control and bureaucratic responsibility. (Offered annually). Three hours credit.

331 THE LEGISLATIVE PROCESS. A study of the United States legislative system. Emphasizes the President as chief legislator, the committee system, the seniority system and the formal decision-making structure within both houses of Congress. (Offered 1969-70). Three hours credit.

342 WESTERN POLITICAL THOUGHT. A general survey of Western political thought from early Greece to the present time, including philosophies of city-state, universal community, nationalism, liberalism, fascism, national socialism and communism. (Offered 1969-70). Four hours credit.

372 AMERICAN CONSTITUTIONAL DEVELOPMENT (See History 372). Five hours credit.

393 JUNIOR PRACTICUM. The particular topics covered will be determined by the needs of the students enrolling and the recommendation of the department. (Offered annually). Four hours credit.

411 WORLD POLITICS. A study of political relations of nation-states. Problems of nationalism, colonialism, power-politics, and world organizations are discussed. (Offered 1970-71). Four hours credit.

491, 492 HONORS SEMINAR. Selected topics in political science will be examined. Students will be expected to do extensive reading in the topic under study and to make a positive contribution to seminar discussions. Prerequisite: Consent of the instructor. Two hours credit.

493 SENIOR CAPSTONE. Acquaints students with research methodology and literature in the field. Designed specifically for students who have done extensive work in the discipline. (Offered during the January inter-term only). Four hours credit.

## Psychology

*D. Miller, Griffin, McGinnis, M. Miller*

Psychology is the science of human behavior. This science is necessary to understand the inner functioning of individuals and their interpersonal relationships. The psychology department emphasizes experimental research as a basis for understanding behavior. Classical studies, major psychological journals, original authors, animal and instrument laboratories, observational testing rooms, phenomenological experimentation, off-campus practicums in psychological service agencies are used with the curriculum to give the student a thorough background in psychology and equip him for graduate study or a chosen vocation in social service.

A major consists of thirty-six term hours. Psychology 200 is prerequisite to all other courses in the department. Biology 241-242 is required of all majors. Psychology 322 is prerequisite to 371, 372, and 422. All majors are required to take 322, 371, and 493.

200 GENERAL PSYCHOLOGY. Introduction to the subject matter and methods of psychology, including the study of human development, personality, learning, sensation, perception, motivation, emotion, mental health, and social psychology. (Offered annually). Three hours credit.

230 HUMAN DEVELOPMENT. Development of the individual from conception to adulthood. Emphasis is placed on the psychological aspect of development, with particular reference to social, physical, and learning factors. (Offered annually). Three hours credit.

321 SOCIAL PSYCHOLOGY. A study of individual behavior in group situations with emphasis upon various influences which shape the psychological patterns of inter-personal relationships. (Offered 1969-70). Four hours credit.

322 GENERAL STATISTICS (See Social Science Inter-Area Studies). Three hours credit.

341 PSYCHOLOGY OF THE ATYPICAL. The different types of exceptional individuals are studied and appraisal is made of therapeutic and educational methods which make for their maximal effectiveness and adjustment. (Offered 1970-71). Four hours credit.

352 STUDENT DEVELOPMENT SEMINAR. Basic psychology and methods of individual development through group process. Three hours credit.

371 EXPERIMENTAL METHODOLOGY AND DESIGN. Methodology and design of experimentation in psychology are studied and specific areas of psychological research are surveyed. Quantitative measurement relating to statistical inference is stressed. (Offered annually). Four hours credit.

372 EXPERIMENTAL RESEARCH. Designing

of psychological experiments with each student doing basic research and conducting an experiment. (Offered annually). Four hours credit.

393 JUNIOR PRACTICUM. An off-campus experience for juniors in psychology to work in psychological service agencies and learn the field from first-hand experience. (Offered annually). Four hours credit.

401 PSYCHOLOGY OF PERSONALITY. The major current systematic psychological theories of personality are studied with consideration to their usefulness for research and in therapeutic practice. (Offered 1969-70). Four hours credit.

422 PSYCHOLOGICAL TESTING. Principles of psychological testing with consideration of theoretical and practical foundations underlying the construction, use, and interpretation of standardized tests and inventories. There will be practice in the use of selected instruments. (Offered 1970-71). Four hours credit.

432 HISTORY AND SYSTEMS OF PSYCHOLOGY. The developmental history of psychology as it emerged as a distinct discipline with consideration given to the major concepts and personalities of the various systems of psychological thought. (Offered 1969-70). Four hours credit.

441 PHYSIOLOGICAL PSYCHOLOGY. A study of the physiological mechanisms underlying the behavioral processes of man with special consideration of the psychosomatic conditions. Prerequisite: Biology 241-242. (Offered 1970-71). Four hours credit.

452 PSYCHOLOGY OF THE ABNORMAL. Nature, causes and treatment of abnormal behavior are studied with special consideration of the symptoms and dynamics of psychological dis-

orders. The student will spend an hour per week in addition to regular class sessions in studying cases and therapy at a mental hospital. (Offered annually). Four hours credit.

493 SENIOR CAPSTONE. To integrate all areas in psychology and relate significant theory and research concerning each area. There is intensive reading and investigation by the students. (Offered during the January inter-term only). Four hours credit.

## Religion

*Wilson, Carter, Dean, Heath, Luthy, Nygren*

A major in religion requires a total of 36 hours, with 26 of the 36 consisting of a core of concentration from the courses of one of the subdivisions of the department. This core of concentration is to include the requirements listed in the subdivision which is selected. Presently, each of three subdivisions, Biblical literature, Christian education, and Missions and Church History provides a core of concentration. Religion 100, being only a 100 level course meeting general education requirements, does not count towards fulfilling the major requirements.

### *Biblical Literature*

A core of concentration in Biblical literature must include Rel. 203, 381, 461 (or Phil. 350 instead of Rel. 461 in exceptional cases), Rel. 493 and Phil. 272.

100 BIBLICAL LITERATURE I. This course



has as its primary content the Old Testament, with special attention given to the law, the prophets and the Messianic hope which is fulfilled in Jesus Christ and the New Testament. (Offered each term). Four hours credit.

203 **BIBLICAL LITERATURE II.** This is a specially-designed course for the second-year inter-term period. It includes a foundation in New Testament study with focus on Jesus Christ as portrayed in the Gospels and Epistles. It also includes a series of explorations into the relevancy of Christ to modern life. (Offered during the January inter-term only). Four hours credit.

231 **THE GOSPELS.** By means of various methods of study, the life and teaching of Jesus as set forth in the four Gospels are examined. Attention is given to the geography, politics, sociology and religion of the first century A.D. (Offered annually). Three hours credit.

232 **BOOK OF ACTS.** An inductive study with particular attention given to the work of the Holy Spirit and the missionary methods of the apostolic church. (Offered annually). Two hours credit.

301-302 **THE SYNOPTIC GOSPELS** (See Ancient Language 301-302). Four hours credit.

311-312 **THE EPISTLES** (See, Ancient Language 311-312). Four hours credit.

321 **THE PENTATEUCH.** Attention is given to the historical narrative and to the content of the Law of God. Special attention is given the Genesis account of the origin of the cosmos, man, sin and salvation. The authorship of the Pentateuch is considered. (Offered annually). Three hours credit.

322 **POETIC AND WISDOM LITERATURE.** Hebrew poetry and wisdom as presented in the

books of Job, Psalms, Proverbs, Ecclesiastes, Lamentations, and the Song of Solomon. (Offered annually). Three hours credit.

331 **PAULINE EPISTLES.** Attention is given to the life, ministry, and writings of Paul. The Doctrinal, Pastoral, and Personal Epistles of Paul are studied with reference to their geographical and historical settings, the organization of the Apostolic Church, and the development of Christian doctrine. Careful exegesis is made of selected portions of each epistle. (Offered annually). Three hours credit.

332 **HEBREWS, GENERAL EPISTLES, REVELATION.** Attention is given to the problems of the authorship of Hebrews and its relation to the ceremonies of the Old Testament. The authorship, time, and background of each of the General Epistles is studied. The contribution of each book to the New Testament doctrine is evaluated. A study is made of the place of Revelation in the New Testament canon and its relation to the Bible as a whole. (Offered annually). Three hours credit.

362 **JEWISH HISTORY, CULTURE, AND GEOGRAPHY.** Beginning with the Ezra literature, the development of Mishnaic Judaism is traced through the Talmudic period. The latter part of the course deals with modern Judaism and the possibilities of rapprochement between Judaism and Christianity. (Offered 1970-71). Four hours credit.

422 **OLD TESTAMENT HISTORICAL LITERATURE.** The story of Israel from Joshua to Nehemiah as given in the Old Testament books from Joshua through Esther. Attention is given to relevant archeological discoveries and to the significance of the Kingdom. Special sensitivity to the historical consciousness of the ancient Hebrews is cultivated. (Offered annually). Three hours credit.

451 HEBREW PROPHETS. The major and minor prophetic works of the Old Testament with special emphasis given to the historical background, Messianic message, content, and specific theological concepts and teachings which are pertinent to modern times. (Offered annually). Three hours credit.

#### *Christian Education*

A core of concentration in Christian education must include Rel. 200, 202, 203, 381, 461 (or Phil. 350 instead of Rel. 461 in exceptional cases), Rel. 493, and Phil. 272.

200 INTRODUCTION TO CHRISTIAN EDUCATION. Fundamental concepts emphasizing biblical, theological, psychological and organizational factors which bear upon form and method. (Offered annually). Three hours credit.

202 MATERIALS AND METHODS IN CHRISTIAN EDUCATION. Materials and methods utilized in working with children, youth, and adults. Preparation of materials is emphasized, and observation and participation are provided. (Offered annually). Four hours credit.

212 RECREATION AND CAMPING (See Physical Education 212). Four hours credit.

230 FUNDAMENTALS OF CONDUCTING (See Music 230). One hour credit.

230 HUMAN DEVELOPMENT (See Psychology 230). Three hours credit.

302 ART FOR ELEMENTARY TEACHERS (See Art 302). Three hours credit.

371 HYMNOLOGY (See Music 371). Two hours credit.

381 INTELLECTUAL HISTORY OF CHRIS-

TIANITY. The changing philosophical, educational and religious climate of Christian thought from first century backgrounds to the present American scene. (Offered annually). Four hours credit.

382 ORGANIZATION AND ADMINISTRATION OF THE CHURCH PROGRAM. A survey of the leadership responsibilities of the pastor and the director of Christian Education. The organization and administration of the total church program are studied. A required course for the first year of a student pastorate. (Offered annually). Four hours credit.

#### *Missions and Church History*

A core of concentration in Missions must include Rel. 232, 311, 391, 461 or Phil. 350, Rel. 493, Phil. 272, 431, and Soc. 252.

252 CULTURAL ANTHROPOLOGY (See Sociology 252). Three hours credit.

311 THE CHRISTIAN WORLD MISSION. A correlated study of the history of Christian missions in relation to the methods employed in the cultural context of the various periods from the Apostolic inception, through the Middle Ages, the modern era, and the contemporary period of the young churches in the various areas of the world. (Offered 1970-71). Three hours credit.

352 RENAISSANCE AND REFORMATION (See History 352). Four hours credit.

391 PHILOSOPHY AND METHODS OF MISSIONS. The principles and methods of Christian missions from Christ to the present time. The biblical basis and the prime motivating factors, direct evangelistic, educational, medical, industrial, literary, radio, and occupational missionary methods

are given special attention. The preparation of the missionary for his task is also considered. (Offered 1969-70). Two hours credit.

431 ORIENTAL RELIGIOUS PHILOSOPHIES (See Philosophy 431). Four hours credit.

432 MISSION AREA STUDIES. A specialized study of one of the several mission fields, such as Latin America, Africa, India, Japan, or China. The geography, people, history, economics, sociology, government, language, religion, and the history and methods of Christian missions will be considered. Two hours credit.

#### *Biblical Philosophy and Theology*

272 ETHICS (See Philosophy 272). Three hours credit.

352 PHILOSOPHY AND CHRISTIAN THOUGHT (See Philosophy 352). Four hours credit.

372 PHILOSOPHY OF RELIGION (See Philosophy 372). Three hours credit.

461 BIBLICAL THEOLOGY. The biblical message of God acting redemptively in history. Attention is given to methodology and to the biblical concern for history. (Offered annually). Three hours credit.

#### *Core Areas of Religion*

393 JUNIOR PRACTICUM. Supervised experience in various phases of the core curriculum programs. Ordinarily this is an off-campus experience during the inter-term of the junior year. (Offered annually). Four hours credit.

493 SENIOR CAPSTONE COURSE. This course is a specially-designed course for the senior inter-term. Its aim is two-fold: 1. A comprehensive

grasp of the inter-relatedness of the various courses in the major field. 2. An over-view of the relation of the major field of study to the various areas in the liberal arts program and also to the meaning and fulfillment of life itself. (Offered during the January inter-term only). Four hours credit.

## Sociology

*Roye, Brause, Carter, McDonald*

Sociology is that discipline which seeks to differentiate and to define the fundamental processes of social interaction resulting in human personality and social organization. It seeks to formulate principles, laws and generalizations with regard to human nature and society which may have universal validity and applicability. It is concerned with the behavior of humans in group relationships and with organized systems of practices and social rules, as these are expressed in social institutions developed to regulate and to standardize behavior toward recognized group values.

Sociology applied professionally to the problems of living in modern society is known as social work. Courses having welfare credit should be included in the curriculum of a student who wishes to meet the standards of the Council on Social Work Education.

A major in sociology consists of thirty term hours. The major must include Soc. 100, 211, 350 and 493.

100 PRINCIPLES OF SOCIOLOGY. A study of the fundamental principles and processes in our





social structure and social development. The course provides a systematic basis for further advanced study in sociology and a knowledge of those principles with which any program of social reform must reckon. (Offered annually). Three hours credit.

#### 211 CONTEMPORARY SOCIAL PROBLEMS.

A general introduction to social problems in contemporary society which arise from social and personal disorganization. Such problems as poverty, crime and delinquency, divorce and marital maladjustments will be examined in the light of the basic principles of sociology. Prerequisite: Sociology 100. (Offered annually). Three hours credit.

#### 220 COMMUNITY.

Consideration of how a community is organized and how it develops. This is done for both rural and urban communities. Special emphasis is upon the inter-relationship of the many organizations and agencies, their functions, and their influence on the individuals involved. Prerequisite: Sociology 100 or consent of instructor. (Offered annually). Five hours credit.

#### 241 MARRIAGE AND HOME BUILDING.

A study of marriage and the family from the approach of practical preparation for family living and home building. The customs, mores and practices of contemporary social relationships, between the sexes, as in dating, courtship and marriage; the foundations of successful marriage; the prediction of success or failure in marriage. (Offered annually). Four hours credit.

#### 252 CULTURAL ANTHROPOLOGY.

An introduction to the culture of present-day representative preliterate primitive people of the world. Social and cultural origins, primitive social control, the background of modern folkways, mores and

community and institutional life are studied. The findings will be related to contemporary social problems. Designed for sociology majors and as an orientation course for those interested in missions. (Offered annually). Three hours credit.

#### 302 LABOR PROBLEMS (See Economics 302).

Three hours credit.

#### 312 INTRODUCTION TO DEMOGRAPHY.

The many and diverse relations of man's numbers to his social welfare, with particular attention being given to early theories and policies of population, the growth of population, vital statistics as social factors, and the socio-economic and biological significance of birth and growth differentials, and minority groupings will be studied. Prerequisite: Sociology 100. (Offered annually). Five hours credit.

#### 321 SOCIAL PSYCHOLOGY (See Psychology 321).

Three hours credit.

#### 322 GENERAL STATISTICS (See Social Science 322).

#### 331 INTRODUCTION TO THE FIELD OF SOCIAL WELFARE.

A survey of social theory and practice as applied to current social problems. A study of social and economic factors affecting human welfare in the urban and rural communities. Attention is given to the nature and structure of social welfare services available to rural and urban peoples. It is designed especially for pre-social work majors, teachers, ministers, and other community leaders. (Welfare credit.) Prerequisite: Sociology 100 or consent of the instructor. (Offered annually). Five hours credit.

#### 342 CRIMINOLOGY.

Schools of criminology, theories of crime and punishment, causes and costs of juvenile and adult delinquency, police deten-

tion, penal institutions, and modern treatment of juvenile and adult delinquents will be studied. Prerequisite: Sociology 100. (Offered annually). Four hours credit.

350 HISTORY OF SOCIAL THOUGHT. The main emphasis will be placed upon the contributions of sociologists since the time of Comte. This will be done by a study of the writings and concepts of leading sociologist both in Europe and America. (Offered annually). Three hours credit.

393 JUNIOR PRACTICUM. An off-campus experience in relating sociology to life today. (Offered during the January inter-term only). Four hours credit.

401, 402 SOCIAL SERVICES TO INDIVIDUALS. The history, principles, and processes of social casework, social group work, community organization are studied. The classroom work or theory will be given on campus. The practical observation of public welfare agencies in operation will be done in cooperation with agencies in the community, particularly the Grant County Welfare Department. Open to majors in sociology or by consent of instructor. (Offered 1970-71). Two hours credit.

411 THE FAMILY. An intensive view of the history of the family, the psychology of family relationships and adjustments as a social institution; economic and social influences affecting the status of members of the family; changing family folkways, factors causing family instability, and some suggestions for the conservation of the family. Offered only to upper level sociology majors or with consent of instructor. (Offered 1970-71). Three hours credit.

491, 492 HONORS. Open to majors and minors

who have a B average in the field of study and with permission of the head of the department. One or two hours credit.

493 SENIOR CAPSTONE. The theory and methods of sociological research are reviewed. Intensive reading and investigation by the students of assigned problems. Prerequisite: sixteen hours in Sociology and consent of instructor. (Offered during the January inter-term only). Four hours credit.

## Speech & Drama

*Greathouse, Goetcheus,*

*Jackson, Rousselow, Zimmerman*

The aim of the Speech and Drama Department is to assist students in learning to communicate effectively and to artistically express ideas in a democratic society. Courses are designed to prepare students who are planning careers in law, government, business administration, teaching, the ministry, mass communication, and dramatic arts.

For practical speech and drama training all students in the University are invited to participate in debate, public address, theatre productions, religious dramas, and radio programs.

A Major for a Bachelor of Arts degree consists of 30 hours. Unless exempted from 100, the following courses must be included in the Major: Speech 100, 200, 212, 221, 231, 321, and 493. Participation in the extracurricular forensic and drama programs of the department is expected of all Majors. Attendance at Speech Assemblies is required.

The following programs are offered for students qualifying to teach speech in secondary schools.

**MAJOR: (44 hours):** This includes Speech 100, 200, 211, 212, 221, 231, 321, 322, 342, 411, 422, and 493; English 300 and 360.

**100 BASIC SPEECH.** Designed to develop an understanding of the basic principles of speech and proficiency in their use. The speech situation in both formal and informal contexts is studied. (Offered annually). Three hours credit.

**200 ORAL INTERPRETATION.** Aimed to develop adequate mental and emotional responsiveness to the meaning of literature and the ability to express that meaning through the use of imagery, mood, and theme. (Offered annually). Three hours credit.

**211 INTRODUCTION TO THEATRE.** A study of the entire theatre experience, designed to increase the student's appreciation of drama as an art form. The script, acting, directing, design and theatre history are discussed from an aesthetic and practical viewpoint. Prerequisite to all other theatre courses or consent of the instructor. (Offered annually). Three hours credit.

**212 ACTING.** A study of the principles and techniques of acting. Laboratory experiences. (Offered annually). Three hours credit.

**221 DISCUSSION, ARGUMENTATION, DEBATE.** A study of the principles and procedures of discussion and debate, including rational decision making, the use of evidence in support of logical arguments, and refutation. (Offered annually). Four hours credit.

**231 VOICE AND PHONETICS.** Functional voice and articulation problems are studied with emphasis on diagnostic and remedial methods for

speech improvement. Proficiency in the use of the International Phonetic Alphabet is taught as an aid to improving speech skills. (Offered annually). Three hours credit.

**302 ADVANCED ORAL INTERPRETATION.** Designed to give advanced study in the oral interpretation of literature. Group reading emphasized. Prerequisite: Speech 200 or with consent of the instructor. (Offered annually). Three hours credit.

**321 INTRODUCTION TO RADIO AND TELEVISION.** An investigation of the radio and television media. Opportunity will be provided for actual participation in programs and activities. (Offered annually). Three hours credit.

**322 THEORY AND PRACTICE OF ORAL PERSUASION.** A consideration of how men command themselves in influencing society through speech. Prerequisite: Speech 100 or consent of the instructor. (Offered annually). Four hours credit.

**331 THEATRE HISTORY AND LITERATURE.** A survey of the periods and personalities of drama, examined in relation to the dramatic and social conventions of the period. (Offered 1970-71). Three hours credit.

**342 SPEECH PATHOLOGY AND AUDIOLOGY.** Current thought relating to the etiology and treatment of speech and hearing disorders. Practical for prospective elementary teachers as well as speech majors. (Offered annually). Two hours credit.

**350 INTERCOLLEGIATE DEBATING.** Open only to those who participate in intercollegiate debating and with consent of the instructor. May be repeated for a total of four hours credit. (Offered annually). One hour credit.



362 RELIGIOUS DRAMA. The development of church drama and a consideration of its proper place and function in the church program. Available materials, costuming, and other special problems are discussed. (Offered 1970-71). Three hours credit.

393 JUNIOR PRACTICUM. Designed to provide an opportunity to develop Speech Arts in a larger perspective by off-campus experiences. As much as possible, programs will be tailored to individual needs and wishes. (Offered during the January inter-term only). Four hours credit.

411 PLAY DIRECTING. The bases, procedures, and problems of play direction. Laboratory experience provided. Prerequisite: Speech 212 or by permission of the instructor. (Offered annually). Three hours credit.

412 STAGECRAFT AND DESIGN. The technical phases of play production. Deals with design, construction, and painting of scenery, costuming, lighting, and make-up. Laboratory experience. Prerequisite: Speech 211, or with consent of the instructor. (Offered 1969-70). Three hours credit.

422 ADVANCED RADIO AND TELEVISION PRODUCTION. Advanced studies in radio and television production. Opportunities will be given in the production of commercial programs. This course will provide an introduction to film. (Offered 1970-71). Three hours credit.

451 CLASSICAL RHETORIC. A study of basic rhetorical principles with an emphasis on the classics. (Offered 1970-71). Two hours credit.

491, 492 HONORS. Open to majors who have a B average in the field of study and with consent of the head of the department. One or two hours credit.

493 SENIOR CAPSTONE. Designed to give the student a perspective of the entire field of speech and its relationship to the liberal arts, and to apply research techniques to contemporary problems in communication. (Offered during the January inter-term only). Four hours credit.

## Inter-Area Studies

Some of the areas offer majors that deal with materials related to all of the departments of which the area is composed.

The four curricular areas of the college are as follows:

*The Education-Physical Education Area* which includes the departments of Education and Physical Education and Health.

*The Humanities Area* which includes the departments of Ancient Language, Art, English, Modern Languages, Music, Philosophy, Religion and Speech.

*The Natural Science Area* which includes the departments of Astronomy, Biology, Chemistry, Mathematics and Physics.

*The Social Science Area* which includes the departments of Business and Economics, Geography, History, Political Science, Psychology and Sociology.

### *Area of Humanities*

230 SURVEY OF THE FINE ARTS. Integrates the studies of music, sculpture, architecture and

painting with the times that produced them. An attempt to understand the artistic principles by which we evaluate aesthetic and cultural qualities. (Offered annually). Four hours credit.

#### *Area of Natural Sciences*

220 PHYSICAL SCIENCE SURVEY. Introduction of physics, chemistry, astronomy, meteorology, and geology as a unified field of knowledge. Four hours lecture and two hours laboratory per week. Enrollment in the fall term is restricted to elementary education majors. Enrollment in the spring term is restricted to non-science secondary education majors. Lecture and laboratory objectives differ for these two areas. (Offered annually). Five hours credit.

451 NATURAL SCIENCE SEMINAR. The integration of topics from contemporary science with an emphasis on recent research reports of interdisciplinary interest. Guest lecturers, and faculty and student reports serve as the method of presentation. (Offered annually). One hour credit.

#### *Area of Social Sciences*

322 GENERAL STATISTICS. A study of central tendency, dispersion, correlation, the normal curve, inferences from random samples, testing of hypotheses, and use of calculators. (Offered annually). Three hours credit.

*Major in Social Science:* In order to permit students to cross departmental lines and take courses related to, but outside of the department of their special interest, a major in social science is offered. Requirements for this major are as follows:

<i>Economics 201</i> _____	5 term hours
<i>Geography 210 or 220</i> _____	3-4 term hours
<i>History 103</i> _____	4 term hours

<i>Political Science 100, 202</i> _____	6 term hours
<i>Psychology 200</i> _____	3 term hours
<i>Sociology 100, 211</i> _____	6 term hours
<i>Concentration (chosen in a department within the social science area)</i> _____	20 term hours
<i>Electives within the area</i> _____	3 term hours
<i>total</i>	50-51 term hours

#### *All Areas*

499 SPECIAL STUDY. Upon recommendation of a department head, and with the approval of the Dean, a senior may serve as an instructional assistant in his major department for one hour of credit in one or two terms. He must have a cumulative average of at least 2.6, and in his major area at least 3.0. One hour credit.

The credit is essentially in the nature of honors, and does not carry a grade indication. The instructor presents to the Dean's office during the first two weeks of the terms an outline of the student assistant's responsibilities.

## Pre-Professional Courses

Liberal arts education emphasizes the learning which is desirable for all students who would grow into mature persons and citizens of a democratic society. However, this is also basic preparation for the various professions and vocations. Taylor University offers pre-professional courses in several areas; some of them are affiliation programs with the state universities.

*Business Administration Course*

Taylor University offers the liberal arts portion of an affiliation program in business administration with Indiana University's School of Business. It leads to the Master of Business Administration degree. Students spend three years at Taylor, completing ninety-five hours of the Bachelor of Arts course. If the student maintains a scholastic standing of 2.6 or higher and meets all other entrance requirements, he will be admitted to the University for a two and one-half year program. Upon the successful completion of the first year, he will receive the Bachelor of Arts degree from Taylor University, and upon the successful completion of three additional semesters, Indiana University will grant the Master of Business Administration degree.

Another alternative is to spend only one year at Indiana University, receiving the degree from Taylor. A scholastic standing of at least 2.0 is required in this program.

*Pre-Engineering Course*

Taylor University participates in affiliation programs with Purdue University and with New York University. Students should complete Taylor requirements in three years on the Taylor campus and will normally do at least two years of residence work at the affiliate university. Upon completion of requirements for a degree in engineering at the affiliate university, Taylor University will grant the Bachelor of Arts degree.

<i>freshman year</i>	<i>credit hours</i>
English 100	4
Chemistry 201, 202	8
Mathematics 131, 232	8
Religion 100	4
Sociology 100 (or Pol. Sci.)	3

Speech 100 (elective)	3
Physical Education	2
History	4

*sophomore year*

Language	8
Physics 211, 212	10
Mathematics 241, 342	8
Elective	3
Physical Education	2
Religion 203	4
Psychology 200 (or Geography)	3

*junior year*

Language	6
Mathematics 431	4
Literature	4-5
Philosophy 350	4
Physics 311, 312	8
Fine Arts 230	3
Physics (inter-term)	4

Speech 100 is required by Purdue only.

Alternate junior-year courses in Physics (or Chemistry) may be deemed more appropriate for certain engineering curricula.

*Pre-Nursing Course*

Taylor University is prepared to offer the first year's program which will meet the general education requirements for a Bachelor of Science degree in Nursing. The student must transfer to another college at the end of the first year (usually), if he expects to complete the prescribed course in the given school's designated time for a Bachelor of Science in Nursing.

*Pre-Medical Course*

When possible, the student should select his medical school at the beginning of the junior year in

order that he may meet specific entrance requirements. It is necessary to maintain a B average to qualify for admission to medical school.

A pre-medical student may take a major in either chemistry or biology. The departmental requirements are given elsewhere in this bulletin.

<i>freshman year</i>	<i>credit hours</i>
English 100	4
Mathematics 131, 232	8
Chemistry 201, 202	8
Religion 100	4
German or French	8
Physical Education	2
History 103	4

<i>sophomore year</i>	<i>credit hours</i>
Religion 203	4
German or French	6
Biology 211, 212	8
Psychology 200	3
Sociology 100	3
Fine Arts 230	4
Physical Education	2

<i>junior year</i>	<i>credit hours</i>
Literature	4-5
Physics 211, 212	10
Chemistry 301, 302	8
Electives	6-8
Junior Practicum	4

<i>senior year</i>	<i>credit hours</i>
Philosophy 350	4
Biology 331, 332, 362	12
Chemistry 311, 312	10
Electives	6-8
Senior Capstone	4

### *Pre-Law Course*

The best preparation for graduate training in the field of law is a regular four-year college course leading to the Bachelor of Arts degree. The major should be chosen in consultation with the pre-law adviser.

Graduates who have followed this course of study and who have earned above-average grades generally may enroll in any one of several nationally recognized law schools.

### *Pre-Theological Course*

This curriculum is based on standards which are suggested for seminaries by the American Association of Theological Schools.

<i>freshman year</i>	<i>credit hours</i>
English 100	4
Religion 100	4
Language (Greek preferred)	8
Sociology	3
History	4
Physical Education	2

<i>sophomore year</i>	<i>credit hours</i>
Literature	4
Language	6
Science	8
Psychology 200	3
Philosophy	3
Fine Arts 230	4
Physical Education	2
Religion 203	4

<i>junior year</i>	<i>credit hours</i>
Phil. 350 or Rel. 461 & Phil. 272	4-5
Speech	3
Major	12

90|pre-professional courses

senior year

Major	12
Electives	8-10

Religion, philosophy, psychology, history, English, social science and sociology are recommended as major fields. Music, speech, philosophy, social science and religion are good electives.

*Pre-Medical Technology Course*

The registry of medical technologists requires three years of college work as minimum pre-professional preparation. Upon the completion of this program at Taylor University and twelve months of medical technology training at an approved hospital, plus passing the registry examination, the Bachelor of Arts degree will be granted. The student will receive a Certificate of Medical Technology after taking the registry examination given by The American Society of Clinical Pathologists.

Chemistry and biology are satisfactory fields from which to choose a major (20 hours).

freshman year

credit hours

English 100	4
Chemistry 201-202	8
Language	6-8
Religion 100	4
Physical Education	2
Mathematics	3
History 103	4

sophomore year

Religion 203	4
Language	6
Biology 212	4
Chemistry 301	5
Sociology	3

Physical Education \_\_\_\_\_ 2

junior year

Literature	5-6
Philosophy 350	4
Biology 371	4
Chemistry	4-5
Fine Arts 230	4
Biology 241-242	8
Psychology 200	3

The student needs a minimum of 16 hours in the field in which he does not major to meet requirements of Medical Technology schools.

# Registers & General Information

The register of officers and teachers is for the academic year 1968-69.

## CORRESPONDENCE

Correspondence may be addressed as follows:

**GENERAL INFORMATION**—Correspondence having to do with matters other than those specified below should be addressed to the Office of the President.

**APPLICATION FOR ADMISSION**—Director of Admissions

**COURSES OF STUDY**—Dean of the University

**HOUSING INFORMATION AND STUDENT**

**LIFE**—Director of Student Affairs

**INFORMATION CONCERNING SCHOLARSHIPS, LOANS AND EMPLOYMENT**—Student Financial Aid Counselor

**ACADEMIC RECORDS AND TRANSCRIPTS**—Registrar

**BUSINESS MATTERS**—Controller's Office

**DEVELOPMENT AND PUBLIC INFORMATION SERVICES**—Director of Development

**ALUMNI PROGRAMS**—Director of Alumni Affairs

Upland, Indiana 46989

Telephone: 998-2751; Area Code 317



# Buildings & Educational Equipment

The Upland campus of Taylor University consists of approximately 170 acres bordering the south edge of the village. The campus includes the following facilities:

*The Liberal Arts Building* is a new air-conditioned facility containing classrooms, faculty offices and the educational media center.

*Helena Memorial Music Hall* was made possible by the bequest of Mrs. Helena Gehman of Urbana, Ohio, and by a substantial supplementary gift from Mr. and Mrs. Israel B. Shreiner. The building includes teaching studios, rehearsal rooms, practice rooms, faculty offices and Shreiner Auditorium. It is equipped with an Allen electronic organ and a Wickes pipe organ.

*The Ayres-Alumni Memorial Library* contains two large reading rooms, book stacks, study carrels, microfilm and microcard readers and other modern equipment. The present holdings total 75,000 volumes and 510 periodicals.

Since the administration building was destroyed by fire, administrative offices have been located on the ground floor of this building.

*Sickler Hall*, known as the Speech and Drama Building, contains classrooms and faculty offices. *The Prayer Chapel* is located in Sickler Hall and is appropriately furnished for individual and small group devotional experiences.

*The Science Building* contains biology, chemistry and physics laboratories, classrooms and faculty offices. This is a newly constructed, \$1,250,000 building.

*The Computing Center*, located on the ground floor of the Science Building was established in 1967 for the purpose of giving all students the opportunity to learn about and use a digital computer as a tool in the undergraduate program, and in preparation for future educational and vocational goals. The Center houses the IBM 1130 digital computer and the necessary peripheral equipment. The design of the installation is as a laboratory facility, and it is run as an open shop for at least 35-40 hours per week. Several courses are taught in Computer Science with an emphasis on the basic understanding and solution of computational problems rather than on data processing skills and techniques. In addition to projects directly or indirectly related to academic course work, the computer is used in faculty and student research, test scoring, and administrative data processing.

*The Art Building* was constructed to replace teaching facilities that were lost when the old administration building was destroyed by fire.

*Education Annex* consists of four units that house Student Council, student publications and house-keeping offices.

*Music Annexes 1 and 2* provide group and individual listening and practice rooms and faculty offices.

*Maytag Gymnasium* was built by Mr. Fred Maytag, Sr. It provides a seating capacity of approximately

twelve to fifteen hundred, and includes a small auxiliary gymnasium.

*The Field House* is a new building providing additional opportunities for physical education and athletics.

*The Biological Field Station* of Taylor University operates at Big Twin Lake in northern Michigan. The camp site is located on a 130 acre tract of land on the shores of Big Twin Lake and is surrounded by the Au Sable State Forest. Facilities consist of a large dining lodge and lounge, a biology laboratory, staff and student cabins, a utility building and water-front facilities.

*Magee-Campbell-Wisconsin Hall* is a residence for women. The north unit is Stanley Magee Memorial; the middle unit, the John D. Campbell Building; the south unit, the Wisconsin Building. There are one hundred seventy rooms with running water in each, a lounge, several large lobbies, a laundry and a student center.

*The Health Center* is located on the first floor of Wisconsin Hall in the west wing. It consists of an examination room and office and beds for nine patients.

*Samuel Morris Hall* is a men's residence with eighty-eight double rooms, a public lounge on the first floor and student lounges on each of the four floors. The building is named for Sammy Morris, a former student from Africa who is featured in the film, "Angel in Ebony."

*Swallow-Robin Hall*, a three-story brick building, is an additional residence for men. This building was made possible by the gift of Dr. S.C. Swallow of the Central Pennsylvania Methodist Conference, and was named Swallow-Robin in honor of Dr. Swallow and his wife, whose maiden name was Robin. The rooms of this hall are named for those who contributed.

*Wengatz Hall* is a recently constructed residence for men. It was named after Dr. John C. Wengatz, a graduate of Taylor who spent forty years of missionary service in Africa. The building has one hundred thirty-three rooms, several lounges and a recreation room.

*East Hall* is a newly constructed residence hall for women. It is a beautifully appointed building with lounges, fireplace and carpeted hallways.

*President's Home.* The home of the Taylor University President graces a rustic wooded area west of the tennis courts and football field. In this spacious two-story brick residence the presidential family hosts numerous social functions. The substantial, quiet dignity of the home reflects the quality of the college program.

*The Lake.* A picturesque 8-acre lake on the Taylor property provides swimming opportunity in season and excellent ice skating facilities in winter. Part of the lake is used for studies in ecology, and nearby is a wooded picnic area.

*The Storer Food Center* is a central food-service building which includes a dome-shaped, glass-enclosed dining room with a seating capacity of six hundred, a private dining room known as the Kerwood Room, and a complete food preparation area.

*Fairlane Village* consists of thirty-nine two- and three-bedroom units for married students. A few units are used for single students.

*The Bookstore and Varsity Grill* is a frame structure that houses the college bookstore and snack shop. A post office is located in a separate annex east of this building.

*The Central Heating Plant* is located just off the campus proper and supplies heat to many university buildings.



## Board of Trustees

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## Committees of Board

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## Associates

The Taylor University Associates are Christian leaders from various parts of the nation who act as a board of reference in relation to the trustees and administration of the college in the interest of advancing a strong program of Christian higher education.

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 Mr. Matt R. Ruohoniemi ——— St. Paul, Minnesota  
 Mrs. Kathryne B. Sears ——— Cedar Rapids, Iowa  
 Mr. Arthur Templin ——— Flushing, New York  
 Mr. Wayne Townsend ——— Upland, Indiana  
 Mr. Jay B. Trauring ——— Hartford City, Indiana  
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## Administrative Staff

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 Gordon G. Zimmerman ——— administrative vice  
 president and dean

William Davis ——— controller  
 Samuel Delcamp ——— director of development  
 Charles Griffin ——— director of student affairs  
 Charles Newman ——— service operations  
 Dorsey Brause ——— associate dean  
 Peter Pascoe ——— university pastor  
 Stanley Banker ——— registrar  
 Ronald Keller ——— director of admissions  
 George Haines ——— director of teacher education  
 Anna Rose Braden ——— associate director  
 of student affairs  
 David Klopfenstein ——— student union director  
 Alice K. Holcombe ——— head librarian  
 Lois Weed ——— assistant librarian  
 Grace Millspaugh ——— assistant librarian  
 Wilbur Cleveland ——— university editor  
 Bernie Tucker ——— associate director of development  
 Ernest Valutis ——— associate director of development  
 Jay Hornick ——— director of annual fund  
 Virginia Cline ——— chief accountant  
 Russell Clark ——— admissions counselor  
 Michele White ——— admissions counselor  
 Robert Stewart ——— student financial aid counselor  
 Charles Page ——— superintendent of buildings  
 and grounds  
 Joseph Biermann ——— food service manager  
 Robert Neideck ——— bookstore manager  
 Oliver Godfrey ——— mailing and duplicating manager

## HEALTH SERVICE

Janelle Goetcheus ——— physician  
 Howard M. Luginbill ——— consulting psychiatrist  
 Lily Haakonson ——— director of health services  
 Erna Kastelein ——— nurse  
 Cholis Michael ——— nurse

# The Alumni Association

The Alumni Association is an organization of graduates, former students, and recipients of honorary degrees of Taylor University. Parents of alumni and spouses who are not alumni are given associate membership. Its purposes are to unite alumni in closer bonds of fellowship, to stimulate loyalty to the university and to strengthen the university by disseminating information concerning her service to the church and society.

Activities of the Association are coordinated by a Board of Directors, members of which are elected for a three-year term. Alumni also elect five members (one each year for a five-year term) to the Taylor University Board of Trustees.

The program of the Alumni Association includes organization of regional Taylor groups, the planning of Homecoming and Alumni Day, and the enlisting of support for Taylor University. This program is carried out by a full-time Associate Director of Development.

*alumni association board of directors 1969-71*

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*Term expires May, 1971*

*Oliver Steiner  
Beulah Coughenour  
Walter Randall  
Fred Luthy*

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*Term expires May, 1970*

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Harold Beattie  
Tom Sidey, first vice-president  
Larry Leistner*

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*Term expires May, 1969*

*Edith Driver  
Lee Kinzer, president  
Tim Burkholder*

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## Faculty

MILO A. REDIGER, *President of the University and Professor of Philosophy and Religion (1943)*; Taylor University, A.B.; New York University, M.A., Ph.D.; Asbury Theological Seminary, D.D.; Graduate study at the Biblical Seminary in New York

JENNIE E. ANDREWS, *Professor of Elementary Education (1951)*; Marion College, A.B., B.S.Ed.; The State University of Iowa, A.M.; Graduate study at the University of Minnesota and the University of Arizona

TOM R. ATKINSON, *Part-time Instructor of Business and Economics (1968)*; Shimer College, A.B.; University of Chicago, M.B.A.

E. STANLEY BANKER, *Registrar and Associate Professor of Education and Psychology (1964)*; Marion College, A.B., B.S.Ed.; Western Reserve University, M.A.Ed.

ROBERT K. BLUME, *Assistant Professor of Physical Education (1967)*; Greenville College, B.S.Ed.; Eastern Illinois University, M.S.Ed.

ROBERT L. BOYD, *Assistant Professor of Music (1967)*; Indiana State College, B.S.; Indiana State University, M.S.

ANNA ROSE BRADEN, *Associate Director of Student Affairs and Assistant Professor (1966)*; Nyack Missionary College, B.S.; State University Teachers College, M.S.Ed.; Graduate study at the University of Toledo, the University of Michigan, Michigan State University and Ball State University

DORSEY W. BRAUSE, *Associate Dean, Director of Summer Sessions and Associate Professor of Education (1964)*; Otterbein College, B.A.; Ohio State University, M.A., Ph.D.

CHARLES D. BROMLEY, *Assistant Professor of Education and Director of Testing (1961)*; Eureka College, A.B.; Indiana University, M.S.; Graduate study at Eastern Illinois University, Kent State University and Indiana University

RAY E. BULLOCK, *Assistant Professor of Art (1966)*; Ball State University, B.S., M.A.

STANLEY L. BURDEN, *Assistant Professor of Chemistry (1966)*; Taylor University, B.S.; Indiana University, Ph.D.

JEAN CAMPBELL, *Head Resident Adviser and Instructor (1967)*; State University College, N.Y., B.S.

RICHARD L. CARPENTER, *Part-time Instructor of Music (1968)*; Bethel College, A.B., Michigan State University, M.A.

HAZEL E. CARRUTH, *Professor of English (1946)*; Taylor University, B.S.Ed.; Indiana University, A.M., Ph.D.

CHARLES W. CARTER, *Professor of Philosophy and Religion (1959)*; Marion College, Th.B., A.B.; Winona Lake School of Theology, M.A.; Asbury Theological Seminary, B.D.; Butler University, M.A.; Butler University Graduate School of Religion, Th.M.; Asbury Theological Seminary, D.D.; Graduate study at Lutheran School of Theology at Chicago and Winona Lake School of Theology

ANNE C. CAUDILL, *Associate Professor of Education (1968)*; University of Kentucky, A.B., M.A.; Indiana University, Ph.D.

ROBERT W. DAVENPORT, *Assistant Professor of*

*Physical Education and Football Coach (1958)*; University of California at Los Angeles, B.S.; Ball State University, M.A.Ed.

CHARLES M. DAVIS, *Associate Professor of English (1962)*; Indiana State College, A.B.; Chicago University, M.A.; Graduate study at Indiana University

WILLIAM M. DEAN, *Assistant Professor of Religion (1966)*; Bethel College, A.B.; Asbury Theological Seminary, B.D.; State University of Iowa, Ph.D.

SAMUEL L. DELCAMP, *Director of Development and Assistant Professor (1965)*; Taylor University, A.B.; The University of Michigan, M.S.; Graduate study at Ball State University

BARBARA C. DICKEY, *Assistant Professor of Music (1961)*; Asbury College, A.B.; University of Michigan, M.M.; Graduate study at the University of Michigan

CORLYLE DRAKE, *Part-time Instructor of Music (1968)*; Manchester College, A.B.; Ball State University, M.A.

FRANCES W. EWBank, *Professor of English (1964)*; Wayne State University, B.A., M.A.; University of Colorado, Ph.D.

WILLIAM A. EWBank, *Assistant Professor of Mathematics (1964)*; Royal Military College of Science; University of London; B.Sc. (Eng.); Ball State University, M.A.

GEORGE A. GLASS, *Athletic Director, Track Coach and Assistant Professor of Physical Education (1960)*; Taylor University, B.S.Ed.; Ball State University, M.A.Ed.

ALLEN A. GOETCHEUS, *Assistant Professor of*

*Speech (1968)*; Taylor University, B.S.Ed.; Garrett Theological Seminary, B.D.; Butler University, Christian Theological Seminary, M.S.; Doctoral Candidate at Northwestern University

CARL E. GONGWER, *Assistant Professor of Spanish (1966)*; Taylor University, A.B.; Indiana University, M.A.

GLADYS M. GREATHOUSE, *Professor of Speech and Dramatics (1960)*; Asbury College, A.B.; University of Kentucky, M.A.Ed.; Graduate study at the University of Wisconsin

CHARLES D. GRIFFIN, *Director of Student Affairs and Assistant Professor (1966)*; Moody Bible Institute, Diploma; Taylor University, B.S.; Canisius College, M.S.; Graduate study at the University of Buffalo

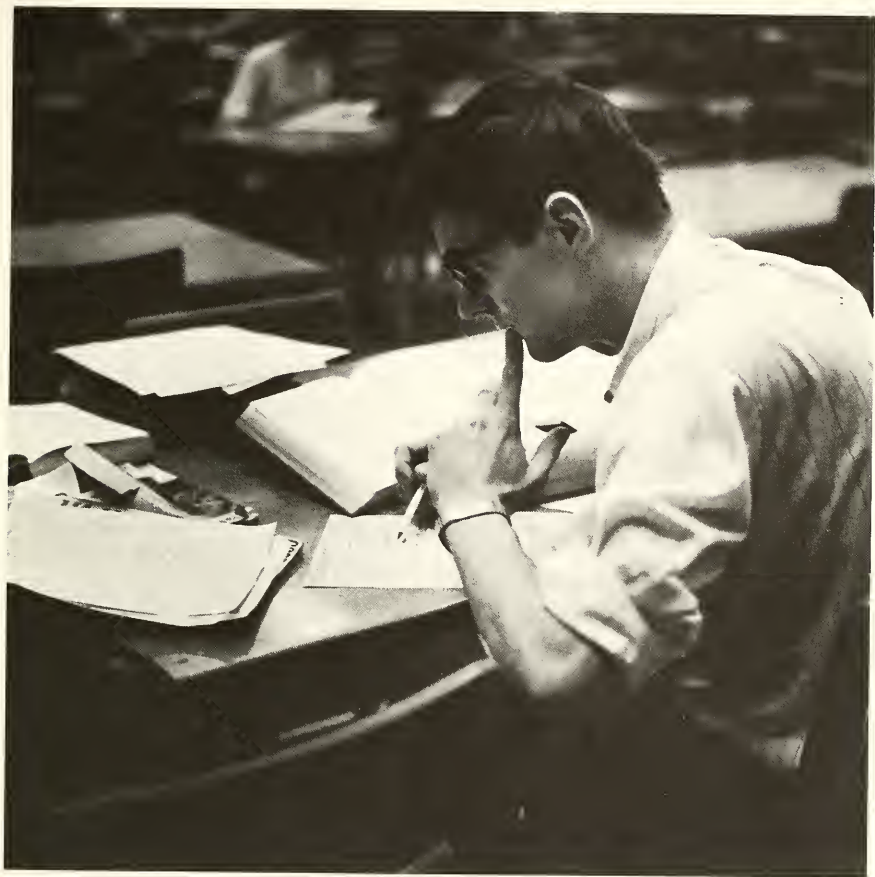
THOMAS C. GROENEWEG, *Instructor of Business and Economics (1968)*; Wheaton College, A.B.; University of Wisconsin Law School, J.D.

GEORGE S. HAINES, *Director of Teacher Education, Associate Professor of Education (1961)*; Purdue University, B.S., M.S.Ed.; George Peabody College for Teachers, Ed.D.

GEORGE W. HARRISON, *Assistant Professor of Biology (1963)*; West Virginia University, B.S.; Marshall University, M.S.

DALE E. HEATH, *Professor of Ancient Language and History (1961)*; Greenville College, A.B.; Asbury Theological Seminary, B.D.; Michigan State University, Ph.D.

DeVON W. HELBLING, *Part-time Associate Professor of Music (1968)*; Goshen College, A.B.; Hardin-Simmons University, A.M.; Indiana University, D.Mus.Ed.





EDWARD H. HERMANSON, *Associate Professor of Music (1966)*; Cascade College, A.B.; Columbia University, M.A., Ed.D.

DAVID D. HESS, *Assistant Professor of Education (1967)*; Taylor University, B.S.; Ball State University, M.S.

GERALD L. HODSON, *Director of Educational Media Center and Assistant Professor of Education (1967)*; Ball State University, B.S., M.A.

ALICE K. HOLCOMBE, *Head Librarian and Associate Professor (1946)*; Taylor University, A.B.; The University of Michigan, B.A.L.S.

JEAN L. HORWOOD, *Assistant Professor of Physical Education (1966)*; Ursinus College, B.S.; Temple University, Ed.M.

WILLIAM A. HORWOOD, *Professor of Physical Education (1966)*; Roberts Wesleyan College, B.A.; Michigan State University, M.A., Ed.D.

CORNELIUS G. HOUSE, *Assistant Professor of German (1968)*; University of Kentucky, A.B.; Indiana University, M.A.

JUDITH N. HOWARD, *Instructor of Physical Education (1967)*; Taylor University, B.S.; Graduate study at the University of Michigan

DALE M. JACKSON, *Assistant Professor of Speech (1966)* Asbury College, A.B.; Ball State University, M.A.; Graduate study at the University of Kentucky and Indiana University

MARGARET S. JACKSON, *Part-time Instructor of English (1967)*; Asbury College, A.B.

JOHN B. JANTZEN, *Associate Professor of French (1959)*; Whitworth College, A.B.; Ball State University, M.A.Ed.; Graduate study at Kennedy School of Missions; Language (French)

study in Brussels, Belgium; Indiana University, Ph.D.

ROGER L. JENKINSON, *Assistant Professor of Geography and History (1965)*; Taylor University, B.S.; Ball State University, M.A.; Graduate study at Ball State University and East Tennessee State University

GARY J. JONES, *Instructor of Physical Education (1967)*; Taylor University, B.S.; Graduate study at the University of Minnesota; Ball State University, M.A. Ed.

ADA M. KARRASCH, *Assistant Professor of French (1967)*; University of Missouri, B.S.Ed., M.A.

SAMUEL KARRIAPPA, *Exchange Visitor (Spring Term 1969)*; Leonard Theological College, Jabalpur, M.P., India, G.Th.; Serampore University, B.D.; University of Jabalpur, M.A., Ph.D.

RONALD L. KELLER, *Director of Admissions and Assistant Professor (1966)*; The University of Michigan, B.A., M.A.

JACK W. KING, *Assistant Professor of Physical Education and Baseball Coach (1961)*; Taylor University, B.S.; Ball State University, M.S.Ed.

PHILIP K. KROEKER, *Associate Professor of Music (1963)*; Westminster Choir College, B.M., M.M.; Indiana University, Ph.D.

GORDON M. KRUEGER, *Professor of Chemistry (1955)*; University of Kansas, A.B., A.M.; Graduate study at the University of Minnesota and Ball State University

KLAAS G. KUIPER, *Associate Professor of Music (1966)*; Calvin College, B.A.; The University of Michigan, B.M.Ed., M.M.Ed.



- HERBERT G. LEE, *Professor of English and Literature (1955)*; Western Carolina Teacher's College, B.S.; University of North Carolina, M.A.; Graduate study at Northwestern University and Bowling Green University
- JAMES K. LEE, *Professor of Chemistry (1959)*; Central China University, B.S.; Catholic University of America, M.S., Ph.D.
- TERRY M. LEWIS, *Instructor of Sociology (1968)*; Ball State University, B.S.; Graduate study at Ball State University
- WILLIAM L. LOEWEN, *Bookstore Manager and Assistant Professor of Sociology (1959)*; Taylor University, A.B.; Ball State University, M.A.
- R. PHILIP LOY, *Assistant Professor of Political Science (1964)*; Taylor University, A.B.; Indiana University, M.A.; Graduate study at Indiana University
- FRED H. LUTHY, *Associate Professor of Religion (1955)*; Taylor University, A.B.; Bonebrake Seminary, B.D.; Butler University, M.A.; Southern Baptist Theological Seminary, M.R.E.; Graduate study at Ball State University and the State University of Iowa
- JAMES J. MATHIS, *Head Resident Adviser, Instructor (1968)*; Taylor University, A.B.; Asbury Theological Seminary, Th.M.
- ROBERT C. MCGINNIS, *Assistant Professor of Psychology (1966)*; Thiel College, A.B.; Western Theological Seminary, B.D.; University of Pittsburgh, M.S.; Graduate study at Michigan State University, Case Institute of Technology and Ball State University
- DWIGHT L. MIKKELSON, *Associate Professor of History (1968)*; Asbury College, A.B.; University of Kentucky, M.A., Ph.D.
- DARVIN L. MILLER, *Assistant Professor of Psychology (1963)*; Westmar College, B.A.; Evangelical Theological Seminary, B.D.; University of Colorado, M.P.S.; Graduate study at Indiana University and Ball State University
- MARGE MILLER *Part-time Instructor of Psychology (1968)*; Concordia College, A.B.; Ball State University, M.A.; Graduate study at Ball State University
- GRACE M. MILLSAUGH, *Assistant Librarian, Assistant Professor (1968)*; Ball State University, B.S.; M.A.
- ELMER N. NUSSBAUM, *Professor of Physics and Director of Research and Special Training (1949)*; Taylor University, A.B.; Ball State University, M.A.; University of Rochester, Ph.D.
- BERFORD S. OAKLEY, JR., *Assistant Professor of Business and Economics (1968)*; Dartmouth College, A.B.; Amos Tuck School of Business Administration, M.C.S.; Arizona State University, M.A.
- ROGER LEE O'BRIEN, *Instructor of Mathematics (1968)*; Bethany College, B.S.; West Virginia University, M.S.
- DON J. ODLE, *Professor of Physical Education and Head Basketball Coach (1947)*; Taylor University, B.S.Ed.; Indiana University, M.S.
- GRACE D. OLSON, *Professor of History (1945)*; Taylor University, A.B.; The University of Michigan, A.M.; Graduate study at the University of Michigan and Western Reserve University
- MYRON E. OYLER, *Part-time Instructor of Religion (1968)*; Taylor University, A.B.; Methodist

Theological School in Ohio, M.Div.

JACK D. PATTON, *Associate Professor of Art (1952)*; Taylor University, A.B.; Ball State University, M.A.

ELISABETH POE, *Professor of Biology (1953)*; Marion College, A.B., B.Rel.; The University of Michigan, A.M.; Graduate study at the University of Michigan and the University of Virginia

WILLIAM C. RINGENBERG, *Assistant Professor of History (1967)*; Taylor University, B.S.; Indiana University, M.A.; Graduate study at Michigan State University

R. WALDO ROTH, *Director of Computing Center and Assistant Professor of Mathematics (1967)*; Taylor University, B.S.Ed.; Ball State University, M.A.; Graduate study at Ohio State University

ROGER W. ROTH, *Assistant Professor of Physics (1965)*; Taylor University, A.B.; Cornell University, M.S.

JESSIE L. ROUSSELOW, *Assistant Professor of Speech (1967)*; Northwestern College, B.A.; University of Minnesota, M.A.

FRANK H. ROYE, *Professor of Sociology (1955)*; Transylvania College, B.A.; Southern Baptist Theological Seminary, B.D., Th.D.

CHARLES K. SIMS, *Associate Professor of Music (1962)*; University of Kentucky, B.M.; University of Michigan, M.M.; Graduate study at Indiana University

ELLEN E. SNYDER, *Director of the Reading Skills Program (1968)*; Greenville College, A.B.; University of Michigan, A.M.

HAROLD Z. SNYDER, *Associate Professor of Biology (1962)*; University of Michigan, A.B., B.S.,

M.S.; Michigan State University, Ph.D.

PAUL J. SPICUZZA, *Instructor of Music (1966)*; The University of Michigan, B.M., M.M.

HILDA L. STEYER, *Associate Professor of Music (1954)*; Asbury College, B.A.; Cincinnati Conservatory of Music, B.Mus., M.Mus.; Graduate study at Indiana University, the University of Illinois and Ball State University

HILDA R. STUDEBAKER, *Assistant Professor of English (1964)*; Manchester College, B.S.; Ball State University, M.A.; Graduate study at Ohio State University

KENNETH D. SWAN, *Assistant Professor of English (1968)*; Olivet Nazarene College, A.B.; Ball State University, M.A.

JULIUS J. VALBERG, *Part-time Professor of History (1950)*; University of Latvia, A.M., Dr.J.U.; Graduate study at the University of Cologne, Germany; Institute Universitaire, Geneva, Switzerland; Harvard University Law School; and Indiana University

RONALD L. VAN DAM, *Head Resident Adviser and Instructor (1965)*; Taylor University, B.S.Ed.; Ball State University, M.A.Ed.

EVELYN G. VAN TIL, *Associate Professor of English (1958)*; Calvin College, A.B.; Purdue University, M.S.; Graduate study at Indiana University and the State University of Iowa

M. JANE VANZANT, *Assistant Professor of Education (1966)*; Taylor University, B.S.; University of Cincinnati, M.S.; Graduate study at Ball State University

MARILYN A. WALKER, *Assistant Professor of English and Journalism (1966)*; Ball State Univer-

sity, B.S.; Indiana University, M.A.

LOIS A. WEED, *Assistant Librarian and Assistant Professor (1953)*; Taylor University, A.B.; University of Kentucky, M.S.L.S.

DALE E. WENGER, *Assistant Professor of Mathematics (1963)*; Manchester College, B.S.; Ohio University, M.S.; Graduate study at the University of Wisconsin

CHARLES R. WILSON, *Professor of Religion and Philosophy (1965)*; Northwestern State College, A.B.; Asbury Theological Seminary, B.D.; Syracuse University, M.A.; Vanderbilt University, Ph.D.

ROBERT C. WOLFE, *Assistant Professor of Chemistry and Physics (1962)*; Taylor University, B.S.Ed.; Indiana University, M.A.; Graduate study at Louisiana State University

VIDA G. WOOD, *Professor of Biology (1954)*; Teachers College, Columbia University, B.S.Ed.; New York State College for Teachers, M.S.; Graduate study at Purdue University

GORDON G. ZIMMERMAN, *Dean of the University and Administrative Vice President and Professor of Speech (1965)*; Moody Bible Institute, Diploma, Sterling College, B.A.; Bowling Green State University, M.A.; University of Michigan, Ph.D.

#### PROFESSORS EMERITI

THEODORA BOTHWELL, Music—25 years of service.

OLIVE MAY DRAPER, Mathematics and Astronomy—41 years of service.

GEORGE E. FENSTERMACHER, English and German—25 years of service.

#### STANDING COMMITTEES OF THE UNIVERSITY

Administrative Council  
Admissions Committee  
Advisory Council  
Athletic Committee  
Educational Policies Committee  
English Proficiency Committee  
Faculty Personnel Committee  
Library Committee  
Nominating Committee  
Special Events Committee  
Spiritual Life Committee  
Student Affairs Committee  
Student Financial Aid Committee  
Teacher Education Committee



# Enrollment Summary 68/69

	Men	Women	Total
<i>Summer, 1968</i>	94	80	174
<i>Fall Term</i>			
<i>senior</i>	124	110	234
<i>junior</i>	163	126	289
<i>sophomore</i>	157	189	346
<i>freshman</i>	210	250	460
<i>special</i>	16	2	18
<i>unclassified</i>	2	9	11
<i>total</i>	672	686	1358
<i>Inter-Term</i>			
	456	514	970
<i>Spring Term</i>			
<i>senior</i>	126	109	235
<i>junior</i>	145	124	269
<i>sophomore</i>	158	167	325
<i>freshman</i>	199	241	440
<i>special</i>	16	6	22
<i>unclassified</i>	3	5	8
<i>post-grad</i>	0	1	1
<i>audit only</i>	1	0	1
<i>total</i>	648	653	1301
<i>for the college year (no duplications)</i>			

# Record of Degrees Conferred

*May 1968*

*James E. Bertsche*  
*Archbold, Ohio*  
*Doctor of Divinity*

*Birch E. Bayh, Jr.*  
*Indianapolis, Indiana*  
*Doctor of Humane Letters*

*Bernie Smith*  
*Hamilton, Ohio*  
*Doctor of Literature*

*October 1968*

*Elmer W. Engstrom*  
*New York, New York*  
*Doctor of Humane Letters*

## *BACHELOR OF ARTS*

*Iona Winifred Amspauh*

*Allen William Amstutz*

*Larry Richard Austin*

*Robert Allen Barr*

*Leslie William Bartlett*

*Marvin Ray Bechtel*

*Kenneth P. Bell*

*Betty Ann Boggs*

*Virgil Allen Boin*

*Lowell Forest Boileau*

*Dawn Elaine Boyd*

*Robert Arthur Brown*

*Diana Kay Buckner*

*Jayne Adaline Christian*

*Russell Mead Clark, Jr.*

*Jay A. Comstock*

*David Lawrence Conover*

*Larry Alan Correll*

*Louis Costanzo III*

*Theodore Hudson Cryer*

*Daniel Cecil Curtis*

*John William Daly*

Thomas Alan Davis  
 Dennis W. Dawes  
 Gary Owen Dennis  
 Peter Lawrence Denton  
 Sharon Diane Dexter  
 Bonnie Lee Dixon  
 Daniel John Duchardt  
 Elaine Rose Dupuis  
 Jeffrey Edward Dye  
 David James Engeseth  
 Kenneth Nelson Enright  
 Raymond Dale Ferris  
 Robert Lowell Frey  
 Lawrence Fricke  
 Mark V. Garringer  
 Bruce Willard Gee  
 Janice Ruth Giesy  
 Samuel Jerome Gloyd  
 J. David Gray  
 Eugene B. Habecker  
 John Allen Halbrook  
 Cindra Lou Hall  
 Marvin E. Hamilton III  
 Linda Marie Elliott Hart  
 Victor Ray Hart  
 Bruce David Head  
 Ronald Lee Helms  
 Bronwyn Maureen Hemmig  
 Roy Glenn Herbster  
 Paul Richard Hess  
 Sally E. Hollister  
 Roberta Ann Sheestey Hunsberger  
 Susan Martha Huslage  
 Lynn Rae Irwin  
 Malcolm Owen Jackson  
 Joseph James Jerele, Jr.  
 Claire Elaine Johnson  
 Ronald Carl Johnson  
 Kathleen Ann Karnehm  
 Rollin G. Karnehm  
 Daniel Lynn Keller  
 Nancy Rae Kitson  
 Dean A. Klump  
 David Allen Knauss  
 Gordon Earl Krueger  
 William G. Larrison  
 Ronald R. Leach

Russell John Lesser  
 Roger Wayne Loewen  
 Gerald Robert Mahler  
 Glenn Lunde McCroskey  
 Asher William McDaniel  
 James Virgil McKay  
 Marilyn Faith McQueen  
 Mark Wesley Meier  
 Mary Elizabeth Morgan  
 James Bernard Morris  
 John Warren Moulton  
 Kenneth G. Mussetman  
 Rebecca Gayle Nunley  
 John Carl Ottaviano  
 Ruth Elizabeth Palmer  
 Clinton E. Parker, Jr.  
 Priscilla Pennington  
 Charles Justice Percival II  
 Richard Charles Petersen  
 Richard Paul Peterson  
 Vicki Jo Pflaumer  
 Ray Edwin Pierce  
 Carolyn Jean Rawley  
 Wesley Arnold Rediger  
 Terry Collins Rhine  
 Gary Dale Riggs  
 Priscilla Susan Robb  
 Danford Alan Schar  
 Douglas Kirk Shaffer  
 Maurice Ronald Shugart  
 William L. Siepel  
 Bruce David Simmerok  
 J. Donnell Small, Jr.  
 Gordon Drummond Smith  
 C. Edward Smyth  
 Terrence Richard Snyder  
 Michael John Sonnenberg  
 Clinton David Steury, Jr.  
 John A. Stoltzfus  
 David Frank Stouse  
 Larry A. Swanson  
 Sally Joanne Thoma  
 Arlene Beatrice Thompson  
 Samuel Thomas Tobias  
 Deborah Ann Torode  
 David Claude Travis  
 Jere Lynn Truex

Daniel Eugene Ward  
 Margaret Anne Weiland  
 W. Laurence Wickler  
 James Richard Wills, Jr.  
 Jack Edward Wood, Jr.  
 Theodore N. Wood  
 Paul L. Wright  
 Karen Sue Yount

Mrs. Maxine Truex (Honorary A.B.)

BACHELOR OF SCIENCE

Priscilla Janet Arnold  
 Gail Anne Aspin  
 Larry Richard Austin  
 Dorothy June Badskey  
 Barbara Lee Barnhill  
 Marilyn Louise Barr  
 Sharilyn Barton Baugh  
 Jack Arthur Baumgardner  
 Judith Ann Beitler  
 Bonnie Ruth Bennett  
 Sherri Lane Berends  
 David Lee Bleivik  
 Dennis A. Blocher  
 Jean Carol Bonecutter  
 Richard Duane Bowker  
 Karen Lynn Boyer  
 Julia Alice Broman  
 Linda Lee Brown  
 David E. Clark  
 Esther Anne Clark  
 James Ronald Clark  
 Barbara Jean Coffing  
 Sharon Ann Collins  
 Gladys Marie Connor  
 Robert L. Connor  
 Ralph Richard Cory, Jr.  
 Wayne Thomas Cummins  
 Jane Lee Darling  
 Janice Lynn Darling  
 Warren Hughes Day  
 Lawrence Arnold DeBruyn  
 Carolyn Ann Deihl  
 Deborah Jean Diemer  
 Thomas Arden Dillon  
 Janet Elaine Doherty

Ruth Barbara Dowden  
 Frederick Lester Downs  
 Robert Allen Duell  
 Jeffrey Edward Dye  
 Diane Lynne Elliott  
 Patricia Mae Fields  
 Roy Alan Flanary  
 Sandra Faye Flannigan  
 Paul Roger Frykholm  
 Marlene Kay Fuller  
 Barbara Kaye Gerig  
 Carolyn Jeanne Giegler  
 L. Lynn Golian  
 Elaine Ruth Goodman  
 Nancy Lee Goodwine  
 Liisa Karen Greenstein  
 John Taylor Gregory, Jr.  
 Carol A. Heiskell  
 Ann Marie Henton  
 Gretchen Sue Hubbard  
 Barbara Lee Johansen  
 Joanne Alice Johnson  
 Cheryl Helle Jones  
 Linda Sue Karwoski  
 Linda Lou Kemmer  
 G. E. Kershner, Jr.  
 Carolyn Ann Knight  
 Lois Charlene Koch  
 Linda Mortenson Ladd  
 Jo Ann Liechty  
 James Arthur Linkenback  
 Roger Wayne Loewen  
 Michael Arthur Mancini  
 Marilee Jo Martin  
 Darrell C. Mayne  
 Thomas Jay McCabe  
 Leslie Gay McGinty  
 Evelyn Alice Monce  
 Karen Kay Motz  
 Mary Lou Napolitano  
 Kenneth Lonnie O'Brien  
 David Frederick Odle  
 Wendy Carol Oltrogge  
 Merrill Dean Osborn  
 Elaine F. Oury  
 Francis William Parman  
 Janice Kay Peterson

Susan J. Peterson  
 Charlene Kay Phillips  
 Karen Diana Powell  
 Leigh Ray Powell  
 Nancy Jean Racke  
 Charles Arthur Reeves  
 Judy Ann Reeves  
 David Lloyd Rotman  
 Alan L. Rupp  
 Judith Lee Rupp  
 Donald Dean Schaffer  
 James Vincent Schneider  
 Helen Louise Seifried  
 Lonna Ruth Setser  
 Richard Warren Shaw  
 Maurice Ronald Shugart  
 Dawn Rae Singley  
 Sandra Elaine Smerik  
 Cheryl Lynn Spangle  
 Janis Lynn Sprunger  
 Shirley Margaret Swaback  
 James Don Swaney  
 Priscilla Anne Ten Eyck  
 Douglas Trevithick, Jr.  
 Ruth Lillian Udisky  
 Sandra Lynn Way  
 Sheldon Mark Wiens  
 Loretta Raymer Wilson  
 Melinda Stephens Wilson  
 Donald Robert Wynkoop

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# College Calendar

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**Summer Term 1969-70**

1970-71

June 16  
July 18Monday  
FridayJune 15  
July 17Summer School Begins  
Summer School Ends

---

**Fall Term 1969-70**

1970-71

Aug. 28-30  
Aug. 31-Sept. 7  
Sept. 3  
Sept. 4  
Sept. 26  
Oct. 5-10  
Oct. 11  
Oct. 28  
Nov. 8  
Nov. 12-14  
Nov. 27-30  
Dec. 13-19  
Dec. 19Thursday-Saturday  
Sunday-Sunday  
Wednesday  
Thursday  
Friday  
Sunday-Friday  
Saturday  
Tuesday  
Saturday  
Wednesday-Friday  
Thursday-Sunday  
Saturday-Friday  
Friday, 5:00 p.m.Aug. 27-29  
Aug. 30-Sept. 6  
Sept. 2  
Sept. 3  
Sept. 25  
Oct. 4-9  
Oct. 3  
Oct. 27  
Oct. 24  
Nov. 11-13  
Nov. 26-29  
Dec. 12-18  
Dec. 18Faculty Study Conference  
New Student Week  
Registration  
Classes Begin  
Matriculation Day  
Spiritual Emphasis Week  
Homecoming  
English Proficiency Tests  
Parents' Day  
Missionary Conference  
Thanksgiving Holiday  
Evaluation Week  
Fall Term Ends

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**Inter-Term 1969-70**

1970-71

Jan. 5  
Jan. 29Monday  
Thursday, 12:00 noonJan. 4  
Jan. 28Inter-Term Begins  
Inter-Term Ends

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**Spring Term 1969-70**

1970-71

Feb. 2  
Feb. 5-6  
Feb. 8-13  
Mar. 13-15  
Mar. 20-30  
  
April 15-19  
May 23-29  
May 29  
May 30  
May 31  
May 31Monday  
Thursday-Friday  
Sunday-Friday  
Friday-Sunday  
Friday 12:00 noon-  
Monday 12:00 noon  
Wednesday-Sunday  
Saturday-Friday  
Friday, 5:00 p.m.  
Saturday  
Sunday, 10:30 a.m.  
Sunday, 3:00 p.m.Feb. 1  
Feb. 4-5  
Feb. 7-12  
Mar. 26-28  
April 2-12  
  
April 21-25  
May 22-28  
May 28  
May 29  
May 30  
May 30Classes Begin  
Reade Memorial Lectures  
Spiritual Emphasis Week  
Youth Conference  
Spring Vacation  
  
Fine Arts Festival  
Evaluation Week  
Spring Term Ends  
Alumni Day  
Baccalaureate  
Commencement





