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Bucknell University  
Junior College

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*Bulletin*

1939-1940

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Wilkes-Barre - Pennsylvania

Bucknell University  
Junior College

Bulletin  
1939-1940

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PART I

♦ ♦ ♦

COLLEGE CALENDAR

BOARD OF TRUSTEES AND ADVISORY COUNCIL  
OFFICERS OF ADMINISTRATION AND FACULTY

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## JUNIOR COLLEGE CALENDAR 1939-1940

### First Semester

- September 14.....Thursday—*Freshman Week begins.*  
 September 19.....Tuesday—*Final registration.*  
 September 20.....Wednesday, 8:00 A. M.—*Classes begin.*  
 September 30.....Saturday—*Examinations for removal of conditions.*  
 October 21.....Saturday—*Home-Coming Day at Lewisburg.*  
 November 22.....Wednesday, 5:30 P. M.—*Thanksgiving recess begins.*  
 November 27.....Monday, 8:00 A. M.—*Thanksgiving recess ends.*  
 December 22.....Friday, 5:30 P. M.—*Christmas recess begins.*  
 January 8.....Monday, 8:00 A. M.—*Christmas recess ends.*  
 January 24.....Wednesday, 5:30 P. M.—*Classes end.*  
 January 26.....Friday, 9:00 A. M.—*Final examinations begin.*  
 February 2.....Friday—*Final examinations end.*  
 February 5.....Monday—*Registration and enrollment.*

### Second Semester

- February 6.....Tuesday, 8:00 A. M.—*Classes begin.*  
 March 15.....Friday, 5:30 P. M.—*Spring recess begins.*  
 March 25.....Monday, 8:00 A. M.—*Spring recess ends.*  
 March 30.....Saturday—*Examinations for removal of conditions.*  
 May 11.....Saturday—*Spring Festival at Lewisburg.*  
 May 24.....Friday, 5:30 P. M.—*Classes end.*  
 May 28.....Tuesday, 9:00 A. M.—*Final examinations begin.*  
 June 5.....Wednesday—*Final examinations end.*  
 June 6.....Thursday, 8:00 P. M.—*Graduation.*

### Summer Session

- June 24.....Monday—*Summer Session begins.*  
 August 2.....Friday—*Summer Session ends.*

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 A.B., Hillsdale; A.M., Michigan; Ph.D., Cornell
- DONALD JOHN BLANKENSHIP - *Assistant Professor of Economics*  
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- DAVID BROWN - - - - *Assistant Professor of English*  
 A.B., Williams; A. M., Harvard; Ph.D., Yale
- ARTHUR FRED BERNHART - *Assistant Professor of Mathematics*  
 A.B., Olivet; A.M., Ph.D., Michigan
- GEORGE RICHARD FAINT - *Instructor in English and Religion*  
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 tificate, Madrid.
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*Instructor in Drama, Speech, and Eurythmics*  
 A.B., B.O.L., A.M., Syracuse
- STANLEY RUSSELL TOWNSEND - - *Instructor in German*  
 A.B., Rochester; A.M., Northwestern. Advanced Study, Munich  
 and Northwestern

\*Leave of absence, 1938-39.

PART II

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HISTORICAL SKETCH  
ADMISSION TO THE COLLEGE  
THE CURRICULUM  
DESCRIPTION OF COURSES  
GENERAL REGULATIONS AND REQUIREMENTS



## HISTORICAL SKETCH

### *The College*

For a number of years civic organizations of the Wyoming Valley discussed the possibility of establishing a local college. They wished for an institution which might offer the advantages of higher education for the young men and women of the locality and felt that thereby the cultural life of the community could be enriched. Problems of financing, and of meeting the heavy requirement in endowment of the accrediting agencies, led to the abandonment of plans for a four-year college. Instead, a group from Wilkes-Barre approached the officers of Bucknell University to discover if a Junior College might be established under their auspices.

An appraisal of the need for a collegiate establishment in Wilkes-Barre was made. A survey of the colleges of Pennsylvania showed that the Wyoming Valley was the only large center of population in the state without a college, and that the experiment of a Junior College in Wilkes-Barre was warranted. Bucknell University then responded to the request of civic organizations in Wilkes-Barre by renting temporary quarters on Northampton Street, and classes were begun in September, 1933.

At once a large and gratifying response to their new opportunity was apparent among the young men and women of the community. Larger quarters were necessary for the second year to accommodate the program for both Freshman and Sophomore years, and the entire building on Northampton Street was leased. It was felt that the following three years would demonstrate whether there was a permanent need for a college in Wilkes-Barre and whether the residents of the community would feel interested in encouraging its development.

Before the termination of the lease it was abundantly evident that the Junior College was offering the community a notable service. Young men and women of outstanding ability and talent were securing advantages that they would necessarily forego if the college did not exist to meet their needs. There

## HISTORICAL SKETCH

was evidence also that a constantly growing number of persons were aware of the cultural enrichment that a college may offer to the community as a whole. The new institution was made increasingly welcome and was encouraged by the sympathy and support of residents of the Valley. The desirability of establishing the college in permanent quarters in an attractive environment was plain. These new quarters were made available early in 1937 through the generosity of Mrs. John N. Conyngham and of Admiral and Mrs. Harold R. Stark. By an outright gift of their handsome residences on South River Street, these donors evinced their concern with the higher education in Wyoming Valley and strengthened greatly the status of the Junior College. Their generosity made it possible for the institution to begin its fifth year in commodious quarters facing on Wilkes-Barre's attractive River Common.

*Buildings and Equipment* These two buildings have been named in memory of those to whom they originally belonged. The John N. Conyngham Hall perpetuates the memory of John N. Conyngham, a former resident of Wyoming Valley and husband of the donor. Chase Hall stands as a memorial to Frederick M. Chase and Ellen Stark Chase, the sister of Admiral Stark. Both buildings were dedicated by President Marts on April 29, 1938, and have lent themselves admirably to the purpose they now serve.

The spacious rooms of Conyngham Hall have been made into excellent classrooms and laboratories. The latter have been equipped with the finest and most modern apparatus. A library of 6000 volumes also is located in this building.

Chase Hall is the administration building and social center. Here are located offices of the faculty and administration, recreation rooms, a reception room, and the classrooms of the language departments.

Within the past year two new additions have been made to the college. Mr. and Mrs. Frederick J. Weckesser have given the residence at 78 West Northampton Street, adjacent to Conyngham Hall, to be used as headquarters for the "Collegium Musicum" and as the residence of the Director. The building

## HISTORICAL SKETCH

behind Chase Hall has been converted into a theatre. A small building, seating one hundred twenty persons, it has been used for play production and for experimental work in dramatics.

*Purpose* The purpose of the Junior College is to offer students within commuting distance of Wilkes-Barre an opportunity to secure two years of college training while living at home. A high standard of work has been maintained, which has enabled students after the completion of their course to adjust themselves readily to the work of the junior year in four-year colleges. Every effort has been made to attract a faculty that is well-equipped in scholarship, experience, and personality, and to offer a program that meets the requirements of four-year colleges. The records made by students who have transferred to the junior year of other colleges indicate that these students have been successfully prepared. Students completing either one or two years of work in Wilkes-Barre have thus far secured advanced standing at forty colleges throughout the eastern states.

*Curriculum* The curriculum includes those courses generally offered in the first two years of the best liberal arts colleges. All courses are intended to correlate with the work offered by universities and colleges in the junior and senior years. Subjects offered by the Junior College lead toward the bachelor's degree in the Arts and Sciences, Commerce and Finance, Education, and Engineering. Most student programs combine subjects of general cultural value with the technical instruction required as preparation for professional and business fields. A modified Secretarial Course is offered for students of exceptional ability. This is a combination of courses that may be credited toward the bachelor's degree with those technical courses essential for secretarial work. At the end of two years under this program students may either begin office work or continue their studies in the junior year of a university.

*Accreditation* The Junior College is fully accredited by all agencies having jurisdiction in this area. It received accreditation from the Department of Public Instruction of the Commonwealth of Pennsylvania in

## HISTORICAL SKETCH

1936 and was accredited by the Association of Colleges and Secondary Schools of the Middle States and Maryland in 1937. Although it is not recognized as an independent college by the American Association of Universities, it receives the benefit of affiliation with this organization because the Junior College is an integral part of Bucknell University.

The Junior College is affiliated also with the American Council on Education and the American Association of Junior Colleges.

*Transfer of Credits* Although Junior College students have entered the junior classes of more than forty colleges, many have continued their work in the last two years at Bucknell University. Students who do this have no problem of curriculum adjustment, since the work in the Junior College is identical with that offered in the first two years at Lewisburg, and all records for Junior College students are on file in the office of the Recorder of the University. Admission to the Junior College also gives admission to the University; consequently, any student who meets the requirements of the Junior College is entitled to advanced standing at Lewisburg without arranging for a transfer of credits.

*Individual Adjustments* The student who plans to complete the work of the junior and senior years in a college other than Bucknell may require a modification of the usual program. To assure full acceptance of credit and to make possible an easy adjustment between the sophomore and junior years, the student's course should be planned in advance by study of the requirements of the university from which he expects to receive his terminal degree. Individual adjustments of this sort may be arranged during registration at the beginning of the Freshman year.

*Advisory Program* The college is small. It is therefore happily possible to give each student's program individual attention. The faculty, while setting the customary classroom requirements in scholarship, is able to give to individual students many special aids to their individual developments. The usual classroom meetings are supplemented

## HISTORICAL SKETCH

by regularly organized conferences between the student and his advisor, whereby it is hoped to reduce college maladjustments to a minimum and to assure the student of intelligent and sympathetic understanding of his problems.

*Physical Education* Although the College has no gymnasium of its own, facilities of unusual excellence have been made available for exercise and physical development. All men are given membership in the Young Men's Christian Association with the full use of its modern equipment. Basket-ball, swimming, hand-ball, squash, bowling, and other organized activities are carried on in the gymnasium of the Y.M.C.A. The physical program for women consists of a course in eurythmics, given in the College Theater under the direction of a member of the faculty.

*Special Interests* Many students have interests and abilities that lie outside the field of studies. A number of activities have been provided to complement studies by giving opportunity for expression of these interests. These cover a wide range in fields of a recreational and semi-professional character: athletics, dramatics, newspaper and choral work, debating, *etc.* There are special clubs of Pre-Medical and Engineering students, French and German Clubs, and a Foreign Relations Club. These are all conducted by the students with the guidance of a member of the faculty, and care is taken to prevent their conflicting with the student's program of studies.

*Faculty* The value to be derived from a college is less dependent upon material equipment than upon the character of its teachers and the measure of their interest in their students. The faculty of the Junior College has been carefully selected for their intensive training, broad experience, and strong personalities. Doctor's degrees have been granted to members of the faculty by Harvard, Yale, Cornell, Michigan, Pennsylvania, New York, and Stanford; master's degrees by Oxford, Columbia, Northwestern, Iowa, Syracuse, Virginia, and Wisconsin. The experience of these men and women has been equally diverse. They have taught in schools and universities

## HISTORICAL SKETCH

throughout the United States and in China. Their travels have taken them to all parts of the world, and they have lived in Europe and the Far East. They bring to the college a breadth of experience and of vision that enables them to treat their special fields in larger perspective, and an academic training that fits them to give the intensive training essential to mastery of any field of knowledge.

*Government* Although the Junior College is an integral part of Bucknell University and receives administrative and instructional assistance from the University, the Trustees of Bucknell University have seen fit to place the immediate government of the Junior College in a local Board of Trustees. It is felt that local responsibility will enable the college to adapt itself better to community needs, and will contribute to the development of the college as a community institution. By this arrangement Bucknell University lends its support, while at the same time it offers sufficient freedom to permit the local board to make adjustments that may be of special and peculiar benefit to the Junior College and the Wyoming Valley.

## ADMISSION TO THE COLLEGE

### *General Information*

The Junior College seeks to admit those students whose scholastic aptitude, and other personal qualifications give evidence that they can succeed in college. Admission will be determined by high school grades, standing in the graduating class, principal's rating, college aptitude tests, and a personal interview.

This plan admits those students who are capable of doing satisfactory college work, and increases their chances of successful accomplishment. Students are by this plan brought into association with others who are both capable and interested. These daily associations serve to stimulate thoughtful effort and raise the level of achievement for individual students.

Application for admission should be made as early as possible, and those who plan to attend the college should arrange with their school counsellors a program that will meet the college requirements. This ordinarily should be done at the beginning of the high school course. Application for admission must be made upon a special form which can be secured from the office of the Registrar.

A deposit of \$10.00 is required with the application. This deposit will be credited toward the tuition when registration is completed or will be returned if the application is withdrawn four weeks before the opening of college.

No matriculation fee will be charged to any student making proper application before August 1, 1939. Students submitting applications after August 1, will be charged a matriculation fee of \$2.50.

### *Special Requirements*

The level at which each student begins his college work in English, mathematics or foreign languages will be determined by the results of placement tests in these subjects. A student may lose credit in foreign languages if the results of the examination indicate that he is unprepared to do the work in the course he would normally enter.

Students who plan to enter an engineering course should have a good foundation in algebra, plane geometry, and solid geometry. Solid geometry is required of civil, electrical, and mechanical engineering students. It is elective for chemical engineering students. Students who plan to enter the Commerce and Finance or Science courses should take at least one and one-half years of algebra and one year of plane geometry in high school.

## ADMISSION TO THE COLLEGE

### *Admission To Advanced Standing*

Applications for admission to advanced standing should be made to the Registrar of the Junior College. The applicant should also request the institution last attended to send to the Registrar of the Junior College a transcript of all work accepted for admission and of all work completed there, accompanied by a letter of honorable dismissal.

### *Registration*

All students are to appear for registration on Tuesday, September 19. At this time all course schedules will be completed and fees for the first term will be due. In the event that some arrangement for deferred tuition is desired it is essential that a definite agreement for delayed payments be made at this time.

During his first semester a student may not register for more than eighteen semester hours. In each succeeding semester he may be allowed to register for one additional hour, beyond the normal requirement, for each nine quality credits earned during the preceding semester. The normal number of semester hours required in each semester of the course leading to any degree is indicated in the conspectus for that course.

### *Freshman Week*

The student must make a new adjustment upon entering college. In general the college gives the student more freedom than is offered by the secondary school, and at the same time, expects him to attain a higher level of work in a broader field. This transition from the directed work of the secondary school to the independent and more intensive work of the college occasionally causes difficulty to students who have not prepared themselves for this change. To assure an early adjustment to this new responsibility, four days preceding the opening of classes are set aside for discussions with incoming Freshmen. These discussions range from personal talks between individual students and members of the faculty to lectures concerning the meaning of a college education and an outline of the significance of the courses offered. In these days the students will arrange their schedules for the semester with their faculty advisers and will be given every opportunity to discuss their plans and hopes with these advisers. They will also be given opportunities to become acquainted with one another and will learn something of the student activities that are open to them. These four days, if profitably used, should assist every student in arranging the program that will be most helpful to him.



## THE CURRICULUM

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The Bucknell University Junior College offers two years of work preparing for degrees in the liberal arts, the sciences of biology, chemistry and physics, commerce and finance, education, and engineering. These courses are identical to those offered by the University at Lewisburg and are intended to prepare the student for the work of the junior and senior years.

The large proportion of graduates continuing their work in the junior class of four year colleges necessitates reasonably close adherence to the requirements of other colleges and the laying of a strong scholastic foundation. There are, however, many students who desire a general education that will extend their experience and broaden their perspective without consideration for future training. For these students, as well as for those with special interests, programs can be arranged that will meet their needs and desires.

## BACHELOR OF ARTS

The purpose of the Bachelor of Arts course is to give the essentials of a liberal education by combining a broad cultural training with a sound preparation for the specialized work of the professional schools such as the graduate, law, medical, theological, and business schools. By proper selection of courses the student may also prepare for further specialized work in many other fields.

Although the liberal arts course is primarily concerned in serving this broad cultural purpose, there are many vocations such as secondary school teaching and administration, government service, social work, journalism, the fine arts, law, and accounting, for which a liberal arts course may afford a direct preparation.

Students who wish to major in Music in the last two years at Lewisburg may take practical work at the Junior College. For one weekly lesson in voice or instrument, with at least five hours each week of practice, one semester hour of college credit is given each semester.

### FRESHMAN YEAR

FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
English 103 <sup>3</sup>	4	English 104 <sup>3</sup>	4
History 99	3	History 100	3
Foreign Language <sup>4</sup>	3	Foreign Language <sup>4</sup>	3
Electives	4 or 5	Electives	4 or 5
Physical Education 101	1	Physical Education 102	1
	—		—
	15-16		15-16

### SOPHOMORE YEAR

Biological Science 100 <sup>5</sup>	3	Physical Science 100 <sup>5</sup>	3
Sociology 100	3	Psychology 100	3
Electives	9	Electives	9
Physical Education 103	1	Physical Education 104	1
	—		—
	16		16

## BACHELOR OF ARTS

For students planning to graduate from Bucknell University the following courses are required during the four years. As many as possible should be taken in the first two years. Art 100, Biology 100<sup>1</sup>, Economics 103<sup>2</sup>, Music 100, Philosophy 100, Political Science 100, or 103 and 205<sup>2</sup>, Religion 100.

<sup>1</sup>Biology 100 is required in Freshman or Sophomore year.

<sup>2</sup>Economics 103 and Political Science 100, or 103 and 205 are not required of students preparing to teach subjects other than social science, provided they complete two 24-hour sequences, or one 24-hour sequence and two 18-hour sequences in teaching subjects; provided also that they meet the state requirements in education.

<sup>3</sup>English 103-4 is a requirement in the freshman or sophomore year. Students who need additional work in English composition, as shown by the placement test in English, will take a semester or a year of composition during the freshman year and take World Literature in the sophomore year.

<sup>4</sup>A reading knowledge\* of a foreign language (French, German, Greek, Latin, or Spanish) is required for graduation from the University at Lewisburg. This requirement may be fulfilled wholly or in part at the Junior College by passing the reading knowledge test, or it will be considered as having been met when a student who begins a foreign language in college completes twelve semester hours of the language with an average grade of at least C, or fifteen semester hours with any passing grade; or when a student who has taken two years or more of a foreign language in high school completes nine semester hours with an average grade of at least C, or twelve semester hours with any passing grade. A student who begins a foreign language in college must continue it for at least two years to receive credit toward a degree, unless he meets the requirement of a reading knowledge of the language in less time.

<sup>5</sup>Not required of students who take 8 or 10 hours of work in a laboratory science. Students who have had three years of science in high school may take six hours of science or mathematics in place of Physical Science 100 and Biological Science 100.

\*By reading knowledge is meant the attainment, on an objective test of such reading knowledge, of a score equal to the average score made by students at the end of three years of work in the language in high school and one year in college (roughly equivalent to that attained by a student after twelve semester hours of college work in the language), together with a corresponding ability in translation.

## BACHELOR OF SCIENCE

The science curricula are offered for those who seek a fundamental education based upon science, but supplemented by a study of the humanities. This gives opportunity for thorough preparation in the field of the student's major interest and also acquaints the student with the complementary arts and sciences.

Although three subdivisions of the Bachelor of Science Course are offered, the work in the Freshman Year is common to all three groups with the exception of elective courses. The three groups offer opportunity for concentration in one of the following fields: Group I, Biology; Group II, Chemistry; Group III, Physics. The group selected will be determined by the interests and aims of the student.

To assure selection of the best courses for the individual student, faculty advisers will assist each student in choosing his elective courses during the second year.

### GROUP I—BIOLOGY

The concentration in biology may be adapted to such outlets as (1) the study of medicine and allied studies, (2) the teaching of biology, (3) industrial and medical technology, (4) graduate studies in botany, genetics and bacteriology.

### GROUPS II and III—CHEMISTRY AND PHYSICS

The chemistry and physics curricula are primarily adapted as foundation courses for students who plan a career in some field in which a fundamental knowledge of one of these sciences is important. The fields generally open to graduates are (1) graduate study leading to a professional career as research chemists or physicists, (2) industrial chemistry or physics, (3) teaching.

### FRESHMAN YEAR

#### GROUP I, II, III

FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
English 101	3	Biology 100	2
History 99	3	English 102	3
Mathematics 107	3	History 100	3
Mathematics 109	2 or 3	Physical Education 102	1
Physical Education 101	1	Electives	7 or 9
Electives	4 or 5	Group I	
Group I		Biology 102 or	
Biology 101 or		Chemistry 114	
Chemistry 113		Mathematics 116 or	
Group II and III		Mathematics 202	
Chemistry 113		Group II and III	
		Chemistry 114	
		Mathematics 202	
	16-18		16-18

## BACHELOR OF SCIENCE

### SOPHOMORE YEAR

FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
<b>GROUP I—Biology</b>			
English 103	4	English 104	4
French 101 <sup>1</sup> or	3	French 102 <sup>1</sup> or	3
German 101	3	German 102	3
Physical Education 103	1	Physical Education 104	1
Electives	9	Electives	9
Biology 101 or		Biology 102 or	
Chemistry 113 or 115		Chemistry 114 or 203	
	—		—
	17		17
<b>GROUP II—Chemistry</b>			
FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
Chemistry 115	4	Chemistry 203	4
English 103	4	English 104	4
French 101 <sup>1</sup> or		French 102 <sup>1</sup> or	
German 101	3	German 102	3
Mathematics 205	4	Mathematics 206	4
Physical Education 103	1	Physical Education 104	1
	—		—
	16		16
<b>GROUP III—Physics</b>			
FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
English 103	4	English 104	4
French 101 <sup>1</sup> or	3	French 102 <sup>1</sup> or	3
German 101	3	German 102	3
Mathematics 205	4	Mathematics 206	4
Physics 115	5	Physics 116	5
Physical Education 103	1	Physical Education 104	1
	—		—
	17		17
<b>SUGGESTED ELECTIVES</b>			
Art 110, 131, 132		Music 100	
Economics 103		Philosophy 100	
Education 203		Political Science 103	
English 131		Religion 100	
History 104, 108		Science courses not taken	
		Sociology 100, 110	

The Bachelor of Science course is elective beyond the requirements as indicated above. Further courses are to be selected in consultation with the student's adviser. A careful choice should be made of subjects that will have a definite bearing on the student's future work and on his cultural enrichment.

<sup>1</sup>A reading knowledge of scientific German or of French is required for graduation. Students who elect German will be required to include Scientific German (German 120). The reading knowledge requirement may be satisfied by taking the reading knowledge test, or it will be considered as having been met when a student who begins a foreign language in college completes nine semester hours of German with an average grade of at least C, or twelve semester hours with any passing grade, plus three semester hours of Scientific German; or when a student who has taken two years or more of German in high school completes six semester hours of German with an average grade of at least C, or nine semester hours with any passing grade, plus three semester hours of Scientific German. For students who take French, the requirement is the same as for the Bachelor of Arts degree.

## BACHELOR OF SCIENCE IN COMMERCE AND FINANCE

The purpose of the work in the Commerce and Finance department is to prepare students for their future life's work and at the same time to give them a well rounded education. With this end in view, the work has been so arranged that the student devotes approximately half his time to courses of a general academic nature. Students who desire to enter the world of business lay the groundwork for future study in accounting, banking, real estate, brokerage, insurance, general business, selling, advertising, and similar fields.

There is a growing demand for persons trained to serve as secretaries to men in important positions in the business and professional world, a position more than that of a mere clerk or stenographer.

The Secretarial Course provides training in stenography, typewriting, office practice, correspondence work, filing, record keeping, making reports, meeting people, conducting an office, and duties of a similar nature.

For those who desire to prepare for teaching commercial and business subjects, a complete four-year course in training is offered, the first two years at Wilkes-Barre. This work has been approved for certification of teachers by Pennsylvania, New York, New Jersey, Delaware, Maryland, and Ohio.

## BACHELOR OF SCIENCE IN COMMERCE AND FINANCE

### I. GENERAL COURSE

#### FRESHMAN YEAR

FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
Biological Science 100	3	Economics 110	3
Economics 102	3	Economics 116	3
English 101	3	Mathematics 116	3
Mathematics 115	3	Physical Science 100	3
Elective	3	Elective	3
Physical Education 101	1	Physical Education 102	1
	—		—
	16		16

#### SOPHOMORE YEAR

FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
Economics 103	3	Economics 104 <sup>1</sup>	3
Economics 105	3	Economics 106	3
English 103	4	English 104	4
Electives	5	Electives	5
Physical Education 103	1	Physical Education 104	1
	—		—
	16		16

### II. SECRETARIAL COURSE<sup>2</sup>

#### FRESHMAN YEAR

FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
Biological Science 100	3	Economics 110	3
Economics 102	3	Economics 116	3
English 101	3	Mathematics 116	3
Mathematics 115	3	Physical Science 100	3
Elective	3	Elective	3
Physical Education 101	1	Physical Education 102	1
	—		—
	16		16

#### SOPHOMORE YEAR

Economics 105	3	Economics 106	3
Economics 135 <sup>2</sup>	4	Economics 136 <sup>2</sup>	4
English 103	4	English 104	4
Elective	4	Elective	4
Physical Education 103	1	Physical Education 104	1
	—		—
	16		16

Electives: History 99 and 100, Sociology 100, Economics 104, Religion 100, Biology 100, Psychology 100, Foreign Language, Mathematics, Music 100, Political Science 103, and Political Science 205.

<sup>1</sup>Recommended. An elective may be substituted.

## BACHELOR OF SCIENCE IN COMMERCE AND FINANCE

### III. SECRETARIAL COURSE VARIATION

#### FRESHMAN YEAR

FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
Biological Science 100	3	Economics 110	3
Economics 102	3	Economics 116	3
Economics 135 <sup>2</sup>	4	Economics 136 <sup>2</sup>	4
English 101	3	Mathematics 116	3
Mathematics 115	3	Physical Science 100	3
Physical Education	1	Physical Education 102	1
	—		—
	17		17

#### SOPHOMORE YEAR

FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
Economics 103	3	Economics 104	3
Economics 105	3	Economics 106	3
Economics 137	4	Economics 138	4
English 103	4	English 104	4
Elective	2	Elective	2
Physical Education 103	1	Physical Education 104	1
	—		—
	17		17

### IV. COMMERCIAL EDUCATION COURSE<sup>3</sup>

#### FRESHMAN YEAR

FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
Economics 102	3	Biological Science 100	3
Economics 123 <sup>4</sup>	3	Economics 110	3
English 101	3	Economics 116	3
Physical Science 100	3	Economics 124 <sup>4</sup>	3
Elective	3	Elective	3
Physical Education 101	1	Physical Education 102	1
	—		—
	16		16

#### SOPHOMORE YEAR

Economics 103	3	Economics 104	3
Economics 105	3	Economics 106	3
Economics 135 <sup>2</sup>	4	Economics 136 <sup>2</sup>	4
English 103	4	English 104	4
Physical Education 103	1	Physical Education 104	1
	—		—
	15		15

<sup>2</sup>No college credit for Shorthand-Typewriting will be given toward the degree of Bachelor of Science in Commerce and Finance unless two full years in these courses have been completed. Shorthand alone or typewriting alone may be taken by any student, but without college credit. Only the second year of work in Stenography-Typewriting (a maximum of eight semester hours) may be credited toward the degree Bachelor of Arts. This course requires ten (10) class hours.

<sup>3</sup>Approved for state certification by Pennsylvania and nearby states. Educational requirements must be satisfied during the Junior and Senior years.

<sup>4</sup>Offered in alternate years. To be taken by Freshmen and Sophomores in 1939 and 1940.



## BACHELOR OF SCIENCE IN EDUCATION

The curriculum leading to the degree of Bachelor of Science in Education is particularly adapted to the preparation of secondary teachers. It provides a strong academic background and adequate preparation in teaching subjects. The curriculum prepares a student in Education. Of particular interest to persons looking forward to administrative work is the fact that the State Department of Public Instruction of Pennsylvania accredits courses at Bucknell leading to administrative and supervisory certificates.

### FRESHMAN YEAR

FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
Biological Science 100 <sup>2</sup>	3	English 102 <sup>1</sup>	3
English 101 <sup>1</sup>	3	History 100 <sup>3</sup>	3
History 99	3	Physical Science 100 <sup>2</sup>	3
Electives	6	Electives	6
Physical Education 101	1	Physical Education 102	1
	—		—
	16		16

### SOPHOMORE YEAR

FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
English 103	4	English 104	4
Sociology 100	3	Psychology 100	3
Electives	8	Electives	8
Physical Education 103	1	Physical Education 104	1
	—		—
	16		16

For students planning to graduate from Bucknell University the following courses are required during the four years. It is recommended that as many as possible be taken in the first two years. Art 100, Biology 100,<sup>5</sup> Economics 103,<sup>4</sup> English 201, Music 100, Political Science 100,<sup>4</sup> and Religion 100.

Candidates for this degree who are preparing to teach will complete two 24-hour sequences in teaching subjects, or one 24-hour and two 18-hour sequences; those preparing for work in administration or supervision should take eighteen hours in each of two teaching subjects and twelve additional hours in appropriate education subjects.

Students in this course must also complete twenty-one semester hours of work in education and may be required to take English 231, Oral Art of the Teacher.

<sup>1</sup>Required of students who need additional work in composition as shown by the placement tests in English. Those who need only one semester of work in elementary composition may elect English 201 the second semester.

<sup>2</sup>Not required of students who take 8-10 hours in a laboratory science. Students who have had three years of science in high school may take six hours of science or mathematics in place of Physical Science 100 and Biological Science 100.

<sup>3</sup>Students who are preparing to teach social science will take History 102 and 104 instead of History 100.

<sup>4</sup>Not required of students who are preparing to teach two foreign languages or one foreign language and mathematics, or of students who take Political Science 103 and 205.

<sup>5</sup>Biology 100 is required in the Freshman or Sophomore year.

## BACHELOR OF SCIENCE IN CHEMICAL, CIVIL, ELECTRICAL, AND MECHANICAL ENGINEERING\*

The engineer has for his main purpose the application of scientific knowledge and discovery to the improvement of civilization. He cannot master all the essential techniques as the whole field is too inclusive. For this reason there are subdivisions. Before selecting his particular field the student should acquaint himself with the character of the work, with its opportunities and with his own interests. The demands of this profession are exacting and should appeal to those willing to apply themselves and having genuine interest in mathematics, the natural sciences and their application.

Research, particularly, appeals to the imaginative mind. A more practical type of mind will be interested in development and design, while others will find more satisfaction in construction, operation, and production. In each division of the engineering field there is an indispensable need for technically trained men able to sell applications and equipment. As his experience broadens and his judgment matures the engineer finds opportunities for advancement into executive and administrative positions.

### CHEMICAL ENGINEERING

Chemical engineering has its application in the field of chemical industry. The field includes such industries as petroleum refining, rubber goods, explosives, textiles, plastics, ceramics, fertilizers, solvents, heavy chemicals and many others. The chemical engineer may be engaged in research, or in the development of a process from the laboratory scale thru the experimental stage to the final commercial plant. He may work on the design of equipment, or on the design, construction, or operation of a plant, or on the development of a product having specified and desired characteristics.

\*A more complete statement relating to engineering as a profession is given in the Engineering Bulletin of Bucknell University. All engineering students will receive and should read this bulletin.

## BACHELOR OF SCIENCE IN ENGINEERING

### CIVIL ENGINEERING

The civil engineer deals with problems in structural, highway, railroad, hydraulic, and sanitary engineering, together with surveying and geodesy. In these fields his services are required in the design, construction, and maintenance of fixed structures such as bridges, tunnels, dams, and the structural members of buildings. His services are indispensable in the design of other engineering projects such as river, canal and harbor improvements; in the development and control of water resources, treatment and disposal of sewage and industrial wastes; and in the location and construction of all transportation facilities.

### ELECTRICAL ENGINEERING

The electrical engineer's services are required in the design, construction, and operation of all electrical generating equipment. He must supervise and control its distribution for use in driving the machinery in mills, factories, or mines; for electric railways; for chemical processing; for heating; for lighting; and for all electrical devices used in the home. Nearly every activity of civilized life depends upon this unseen agent. The communications field, which includes telegraph, telephone, radio, teletype, radio and wire transmission of print and pictures, offers many avenues of employment. The rapidly expanding field of development and application of electronic tubes to commercial processes of all kinds offers not the least attractive opportunities for development and advancement.

### MECHANICAL ENGINEERING

The mechanical engineer deals with the development of mechanical power and its application to the industries through machinery. It is his job to utilize economically the power generated and to apply it as needed for heating and ventilating; for refrigeration; for transportation, whether by diesel, gas, or steam propulsion; and for any other field requiring mechanical power. He is responsible for the design, construction, and maintenance of the machinery used in transportation and in the manufacture of machinery and mechanisms used in the other fields of engineering.

### FRESHMAN YEAR

*(Common To All Engineering Courses)*

FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
Chemistry 113	4	Chemistry 114	4
Engineering 100	1	Engineering 102	3
Engineering 101	2	English 102 <sup>1</sup>	3
English 101	3	Mathematics 202	4
English 131	2	Elective: History 108,	
Mathematics 107	3	Political Science 103,	
Mathematics 109 <sup>2</sup>	2	or Sociology 100	3
Physical Education 101	1	Physical Education 102	1
	18		18

<sup>1</sup>Students proficient in English composition may elect English 201.

<sup>2</sup>Students who are not proficient in Trigonometry will take a three semester hour course.

## BACHELOR OF SCIENCE IN ENGINEERING

### SOPHOMORE YEAR

#### CHEMICAL ENGINEERING

Chemistry 115	4	Chemistry 203	4
Economics 103	3	Mathematics 206	4
Mathematics 205	4	Mechanical Engineering 209	4
Physics 115	5	Physics 116	5
Physical Education 103	1	Physical Education 104	1
	—		—
	17		18

#### CIVIL ENGINEERING

Civil Engineering 103	3	Civil Engineering 214	4
Economics 103	3	Mathematics 206	4
Engineering 103	2	Mechanical Engineering 209	4
Mathematics 205	4	Physics 116	5
Physics 115	5	Physical Education 104	1
Physical Education 103	1		—
	—		—
	18		18

#### ELECTRICAL ENGINEERING

Civil Engineering 103	3	Economics 103	3
Engineering 103	2	Mathematics 206	4
Mathematics 205	4	Mechanical Engineering 209	4
Mechanical Engineering 205	3	Physics 116	5
Physics 115	5	Physical Education 104	1
Physical Education 103	1		—
	—		—
	18		17

#### MECHANICAL ENGINEERING

Civil Engineering 103	3	Economics 103	3
Engineering 103	2	Mathematics 206	4
Mathematics 205	4	Mechanical Engineering 209	4
Mechanical Engineering 205	3	Physics 116	5
Physics 115	5	Physical Education 104	1
Physical Education 103	1		—
	—		—
	18		17

## DESCRIPTION OF COURSES

A brief description of courses offered at the Junior College is given for the guidance of students in making their class schedules. The titles and numbers used at the Junior College are identical with those used at Bucknell University.

The Junior College reserves the right to cancel any course for which fewer than six students register.

### ART

#### 141 and 142. PLAY PRODUCTION

The fundamental principles of scene design and construction, the making of stage models, directing, and the relation of the play to the director are briefly considered during the first semester. These subjects are preceded by a discussion of the drama as an art form. Opportunity is afforded for students to stage-manage and direct a one-act play. The second semester is devoted to the study of acting, training the student actor, costuming, and make-up. First and second semesters. Three hours.

### BIOLOGY

#### 100. PERSONAL HYGIENE

A study of factors influencing health in an attempt to formulate the best set of health practices for each student. First or second semester. Two hours.

#### 101 and 102. ZOOLOGY OF THE INVERTEBRATES AND VERTEBRATES

Gives a comprehensive view of the structure, activities, and interrelationships of the lower animals. The fundamental principles and laws of animal life are emphasized. A comparative study of the higher animals gives a better understanding and appreciation of the human body. Laboratory study of typical forms is included. Classroom, three hours a week; laboratory, four hours a week. Five hours credit each semester.

#### 114. SANITARY SCIENCE

A study of community health. Sanitation, disease transmission, water purification, food preservation, the nature and control of epidemic diseases, and other factors in public health are stressed. Second semester. Two hours.

### BIOLOGICAL SCIENCE

#### 100. BIOLOGICAL SCIENCE

The fundamental facts, theories, and principles concerning the origin and nature of life and living organisms are studied to gain an appreciation of living forms and their relationship to man. First semester. Three hours.

### CHEMISTRY

#### 113 and 114. GENERAL INORGANIC CHEMISTRY

Fundamental laws, principles, and theories of chemistry, supplemented by illustrative laboratory experiments. First and second semesters. Classroom, three hours a week; laboratory, three hours a week. Four hours credit each semester.

## DESCRIPTION OF COURSES

### 115. QUALITATIVE INORGANIC ANALYSIS

Theory of separation and detection of the common anions and cations met with in inorganic chemistry. Prerequisite: Chemistry 113 and 114. Classroom, two hours a week; laboratory, six hours a week. First semester. Four hours credit.

### 203. QUANTITATIVE INORGANIC ANALYSIS

Theory and practice of typical gravimetric and volumetric analyses. Prerequisite: Chemistry 115. Classroom, two hours a week; laboratory, six hours a week. Second semester. Four hour credits.

### 209 and 210. ORGANIC CHEMISTRY

Introduction to nomenclature and to the principal types of organic compounds of the aliphatic and aromatic series. Prerequisite: Chemistry 203. Classroom, three hours a week; laboratory, three hours a week. First and second semesters. Four hours credit each semester.

## ECONOMICS AND COMMERCE AND FINANCE

### 102. ECONOMIC HISTORY

Development of economic institutions, with special emphasis upon the development of economic life in the United States. First semester. Three hours.

### 103. PRINCIPLES OF ECONOMICS

Organization of the economic system and the principles which govern economic activity. Production, consumption, exchange, and distribution. First or second semester. Three hours.

### 104. ECONOMIC PROBLEMS

Economic problems in the light of the principles developed in Economics 103. Prerequisite: Economics 103. Second semester. Three hours.

### 105 and 106. PRINCIPLES OF ACCOUNTING

Theory of balance sheets, problems of technique, classification and interpretation of accounts, preparation of financial statements, problems of partnership and corporation accounts, labor saving devices, valuation of assets. Classroom, two hours a week; laboratory, three hours. First and second semesters. Three hours credit each semester.

### 110. ECONOMIC GEOGRAPHY

The physical environmental factors that have been and are important in man's economic, social, political, and other achievements. Second semester. Three hours.

### 116. BUSINESS CORRESPONDENCE

Fundamental principles of business writing, with constant practice in writing various types of letters and reports. Second semester. Three hours.

## DESCRIPTION OF COURSES

### 123 and 124. BUSINESS COMPUTATIONS

Includes matters usually treated in commercial arithmetic and business mathematics. First and second semesters. Three hours each semester.

### 135 and 136. SHORTHAND-TYPEWRITING

Shorthand: sounds and their shorthand representatives, phrasing, dictation. Typewriting: touch method, copy from straight matter, tabulation. Instruction ten hours each week. First and second semester. Four hours credit each semester.

### 137 and 138. ADVANCED SHORTHAND-TYPEWRITING

Shorthand: intensive drills, wide variety of dictation. Typewriting: speed and accuracy, transcription of shorthand and printed matter, arrangement of material. Prerequisite: Economics 135 and 136 or the equivalent. Instruction ten hours each week. First and second semesters. Four hours credit each semester.

## ENGINEERING

### 100. ENGINEERING PROBLEMS

Lectures on engineering to acquaint the student with the aims, purpose, and methods of engineers. Instruction in the use of the slide rule, presentation of data, graphs, and the solution of engineering problems. Three hours class and lecture. First semester. One hour credit.

### 101 and 102. ENGINEERING DRAWING

Use of instruments, the principles of orthographic projection as applied to engineering drawing; practice in lettering and freehand sketching from drawings and objects; tracings; sectioning; principles of dimensioning; the making of detail and assembly drawings; and the making of isometric, oblique, and perspective drawings. Prerequisite: Engineering Drawing 101 for Engineering Drawing 102. Drafting room, six hours a week first semester; seven hours second semester. First semester, two hours credit; second semester, three hours credit.

### 103. GEOMETRY OF ENGINEERING DRAWING

Training in visualizing the appearance of structures and analysing them into their geometrical elements. Solution of problems by applying the elemental principles to practical work. Prerequisite: Engineering 101 and 102. First semester. Two hours.

## ENGINEERING, CIVIL

### 103. PLANE AND TOPOGRAPHICAL SURVEYING

Field practice, classroom work, computations and mapping, adjustment and care of instruments. Prerequisite: Mathematics 107 and 109. Seven hours a week. First semester. Three hours credit.

## DESCRIPTION OF COURSES

### 214. ROUTE SURVEYING

Theory and practical applications of surveying in the location, construction, and maintenance of routes of transportation and communication. Field work, computations and drafting, seven hours a week. Prerequisite: Civil Engineering 103. Second semester. Four hours credit.

## ENGINEERING, MECHANICAL

### 205. ELEMENTS OF MECHANISM

Study of kinematic pairs and trains involving linkages, pulleys, gears, and cams; development of common gear tooth shapes and their application to spur, bevel, helical and worm gears. Prerequisite: Mathematics 107 and 109; Engineering 101 and 102. Class and drafting room, five hours a week. First semester. Three hours credit.

### 209. ENGINEERING MECHANICS

Study of force systems in equilibrium, and of first and second moments of areas, volumes and masses. Motion of a particle and of a rigid body. Work, energy, impulse, and momentum. Prerequisite: Physics 115 and Mathematics 205. Mathematics 206 should precede or accompany this course. Second semester. Four hours.

## ENGLISH

### 101. COMPOSITION

Principles of exposition; outlining; theme-writing. First semester. Three hours.

### 102. COMPOSITION

Elementary narration, description, and argument; collateral reading; theme-writing. Second semester. Three hours.

### 103 and 104. WORLD LITERATURE

A study of world literature from the beginnings to the present time; lectures, conferences, and essays. First and second semesters. Four hours each semester.

### 131. FUNDAMENTALS OF SPEECH

The physical, mental, and social equipment requisite for good speaking; class projects deal with such speech forms as group discussion, book reviews, oral reading, and informal public speaking. First or second semester. Two hours.

### 201. ADVANCED EXPOSITION

Study of the principles of expository composition; writing of themes, reports, and articles. Prerequisite: English 101 or 104. Second semester. Three hours.

### 253. CHAUCER

*The Canterbury Tales*: study of the language, literary relationships, and social background of Chaucer. Prerequisite: English 104. First semester. Three hours.



## DESCRIPTION OF COURSES

### 257. SHAKESPEARE

Selected plays of Shakespeare. Prerequisite: English 104. Second semester. Three hours.

## FRENCH

### 101 and 102. ELEMENTARY FRENCH

Grammar, easy reading, practice in writing and speaking the language. First and second semesters. Three hours each semester.

### 103 and 104. INTERMEDIATE FRENCH

Reading; composition; use of the language in class-room. Prerequisite: French 102 or two years of high school French. First and second semesters. Three hours each semester.

### \*201 and 202. ROMANTIC PERIOD

Novel to 1850; drama to 1850; work in phonetics, composition, and history. Prerequisite: French 104 or four years of high school French. First and second semesters. Three hours each semester.

### 301. CLASSIC DRAMA

Study of drama in works of Corneille, Racine, Molière, and their immediate successors. Prerequisite: French 104 or 202 or four years of high school French. First semester. Three hours.

### 302. HISTORY OF FRENCH LITERATURE

Study of seventeenth century authors. Prerequisite: French 301. Second semester. Three hours.

## GERMAN

### 101 and 102. ELEMENTARY GERMAN

Grammar, reading, practice in writing and speaking the language. First and second semesters. Three hours each semester.

### 103 and 104. INTERMEDIATE GERMAN

Reading; composition; use of language in classroom. Prerequisite: German 102 or two years of high school German. First and second semesters. Three hours.

### 201 and 202. THE CLASSICAL PERIOD

Reading and interpretation of selected works of Goethe, Schiller, and Lessing; individual reports; lectures. Prerequisite: German 104 or the equivalent. First and second semesters. Three hours each semester.

### \*251 and 252. NINETEENTH CENTURY LITERATURE

Reading and interpretation of selected work of the romantic school and later authors; individual reports; lectures. Prerequisite: German 104 or the equivalent. First and second semesters. Three hours each semester.

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\*Not offered in 1939-1940.

## DESCRIPTION OF COURSES

### HISTORY

#### 99 and 100. HISTORY OF WESTERN CIVILIZATION

An examination of various aspects of Western Civilization, of its historical development and spread, from its genesis to its present aspect in the Americas. First and second semesters. Three hours each semester.

#### 102 and 104. MODERN EUROPE

This course traces the principal movements in the historical development of the European peoples from about 1500 to the present. First and second semesters. Three hours each semester.

#### 105 and 106. ENGLISH HISTORY

A general course tracing chronologically the development and expansion of the English nation and of the British Empire. First and second semesters. Three hours each semester.

#### 107 and 108. HISTORY OF THE UNITED STATES

A general survey of the economic, social, diplomatic, and political aspects of the historical development of the people of the United States, from pre-Columbian to present times. First and second semesters. Three hours each semester.

### MATHEMATICS

#### 107. COLLEGE ALGEBRA

First semester. Prerequisite: One and one-half units of high school algebra. Three hours.

#### 109. PLANE TRIGONOMETRY

Students who have not had trigonometry or do not place well in the mathematics placement test will take the three-hour course. First semester. Two or three hours.

#### 115. COMMERCIAL ALGEBRA

Primarily for students in Commerce and Finance. Review of elementary algebra; elementary theory of probability; commercial applications. Prerequisite: A satisfactory knowledge of high school algebra, as shown by the mathematics placement test. First semester. Three hours.

#### 116. INTRODUCTION TO STATISTICAL ANALYSIS

Elementary theory of statistical analysis with applications. Prerequisite: Mathematics 107 or 115. Second semester. Three hours.

#### 202. ANALYTIC GEOMETRY

Prerequisite: Mathematics 107 and 109. Second semester. Four hours.

#### 205 and 206. DIFFERENTIAL AND INTEGRAL CALCULUS

Limits; applications to problems of mechanics; applications to problems of geometry, astronomy, and physics. Prerequisite: Mathematics 202. First and second semesters. Four hours each semester.

## DESCRIPTION OF COURSES

### MUSIC

#### 100. MUSICAL CULTURE

Non-technical introductory course designed to stimulate a feeling for music as a means of expression. First semester. Two hours.

#### PRACTICAL

Private lessons in Piano, Organ, Violin, Voice, or Orchestral Instruments can be arranged. Maximum credit, one hour each semester.

### PHILOSOPHY

#### 100. INTRODUCTION

Nature, fields, scope, and problems; historical theory; great schools of thought; the nature of mind and its relation to the world; the realm of values. First semester. Three hours.

### PHYSICAL EDUCATION

#### 101 and 102. FRESHMAN YEAR: 103 and 104. SOPHOMORE YEAR

Practice and instruction designed to improve health, to develop physical coordination, and to encourage regular participation in activities that will provide relaxation and exercise in later years. Three hours each week. First and second semesters. One hour credit each semester.

### PHYSICAL SCIENCE

#### 100. PHYSICAL SCIENCE

The fundamental facts, theories and principles concerning the origin and nature of the universe and the physical world to gain an appreciation of the inorganic environment and its relationship to man. Second semester. Three hours.

### PHYSICS

#### 115 and 116. GENERAL PHYSICS

To give a thorough grounding in the theoretical and mathematical basis of the physical laws of Nature, and to meet requirements for later work in technical courses. Instruction is by demonstration, lecture, recitation, and experimental work in the laboratory. Prerequisite: A working knowledge of algebra and trigonometry. 115 is prerequisite to 116. Classroom, three hours a week; laboratory, four hours a week. First and second semesters. Five hours credit each semester.

### POLITICAL SCIENCE

#### 103. GOVERNMENT IN THE UNITED STATES

An introduction to the national government, treated descriptively, historically, and analytically. First semester. Three hours.

## DESCRIPTION OF COURSES

### 205. COMPARATIVE GOVERNMENT

A study of leading democratic governments of today, with constant comparison with the government of the United States. Prerequisite: Political Science 103. Desideratum: a semester in European History. Second semester. Three hours.

## PSYCHOLOGY

### 100. GENERAL PSYCHOLOGY

Basic facts of human behavior and adjustment explained from data drawn from studies in heredity, child development, and the psychology of adolescence and maturity. Second semester. Three hours.

## RELIGION

### 100. HISTORY OF RELIGIONS

Nature of religion; significant founders and leaders of religions; nature of complex social and religious forces in development of religion; sacred literatures and organizations of the great religions. Second semester. Two hours.

## SOCIOLOGY

### 100. AN INTRODUCTION TO THE STUDY OF SOCIETY

The nature of man's social heritage; bearing of group life upon the individual's personality; development of social institutions and community life; forces involved in social change and reorganization. First or second semester. Three hours.

### 107. THE MODERN CITY

Development of the modern city pattern; how urbanism influences attitudes and personality; effect of city life upon social organization; efforts to control urban social problems. Prerequisite: Sociology 100. First semester. Three hours.

### 110. SOCIAL DISORGANIZATION

A broad survey of processes involved in such problems as adolescence, suicide, insanity, divorce, drink, and political corruption, studied through the related approaches of individual, family, and community disorganization. Prerequisite: Sociology 100. Second semester. Three hours.

## GENERAL REGULATIONS AND REQUIREMENTS

*Regular attendance* is required upon all work in a student's course of study and at the assembly exercises. Absences necessarily affect the class standing of a student. Every student who withdraws from the Junior College should notify the Director and the Registrar at the time of withdrawal.

### REPORTS

Students will receive *oral reports* from their faculty advisors four times each year, but written reports will be submitted to parents only at the end of each semester. The grades have the following significance:

A—Excellent	D—Passing
B—Good	Con—Condition
C—Average	I—Incomplete
F—Failure	

### QUALITY CREDITS

It is believed that a student who receives merely a passing grade in all of his work is not securing sufficient benefit from college to merit a continuation of his course. It is required, therefore, that the student entering the sophomore class must have earned an average of at least 60%, or have earned a minimum of 15 quality credits during the Freshman year. To be allowed to continue college work for more than two years a student must have earned not less than 45 quality credits or an average of 70% in one of the first two years. To graduate the student must have earned 60 quality credits plus one for each hour of credit in Physical Education.

Quality credit "points" are assigned to each grade as follows:

- Each hour of A grade, 3 points
- Each hour of B grade, 2 points
- Each hour of C grade, 1 point
- Each hour of D grade, 0 points

### SELECTION OF A MAJOR FIELD

Students enrolled in the Bachelor of Arts, Bachelor of Science, Education, Engineering, and Commerce and Finance courses should select a field of concentration and arrange their schedule

## GENERAL REGULATIONS AND REQUIREMENTS

to satisfy all requirements within this field. In all courses a tentative selection should be made at the beginning of the Freshman year, although there are a few courses which do not require this decision before the Sophomore year.

### REQUIREMENTS FOR GRADUATION

Candidates for graduation must meet requirements as to both quantity and quality of work. The quantitative requirements vary with the course and are equal in number to the normal load for each curriculum. These requirements vary from 60 to 68 semester hours of scholastic work, and 4 semester hours in Physical Education unless the student is excused by the College upon certification of a physician. In addition the student must have 60 quality credits and as many additional quality credits as the semester hours earned in Physical Education.

No student reported for deficiency in the use of English will be recommended for graduation until he has satisfied the faculty that his deficiencies have been corrected.

### TRANSFER OF CREDITS TO OTHER INSTITUTIONS

To transfer credits from Bucknell to another college, it is necessary that a transcript of the record at Bucknell be forwarded to the other college. This will be done by the Registrar upon request. Full credit will be given by other colleges for courses in which a mark of C or above has been earned, provided the subjects taken at Bucknell are in the curriculum of the other college or are accepted as electives. To assure full credit for all work taken in the Freshman and Sophomore years, the student should indicate when he enters the Freshman class the college to which he plans to proceed. This information will enable the student and faculty counsellor to arrange a schedule of courses that will be accepted by the four-year college to which he plans to transfer.

Students planning to graduate from Bucknell University are not required to transfer their credits in their Sophomore year, but they must make arrangements with the Dean of the College for a reservation at Lewisburg.

**PART III**

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**SCHOLARSHIPS AND ASSISTANCE**

**STUDENT ACTIVITIES**

**EXPENSES**

**STUDENTS**

## SCHOLARSHIPS AND ASSISTANCE

To aid outstanding students who may be in need of financial assistance, every effort is made to establish adequate scholarship funds. Applications for scholarships, other than the University competitive scholarships, may be made through the Registrar of the Junior College.

### JUNIOR COLLEGE COMPETITIVE SCHOLARSHIPS

A limited number of scholarships have been made available each year through the interest and generosity of friends of the Junior College. These scholarships are awarded to students from the upper fifth of the high school class who receive outstanding scores in a competitive examination.

### AMERICAN ASSOCIATION OF UNIVERSITY WOMEN

The local chapter has made available a sum of money to be awarded to students of outstanding ability and personality. These scholarships ordinarily are awarded to students who have excelled in the examinations for the competitive scholarships.

### LOAN FUND

The Wyoming Valley Woman's Club has created a revolving loan fund from which small sums may be borrowed on a personal note.

Sums of \$50.00 per year may be borrowed from a similar fund held by Bucknell University. No interest is charged while the student is enrolled in the Junior College or in Bucknell University, but an interest charge does commence when the student leaves college.

### GOVERNMENT ASSISTANCE

In 1938-1939 twenty-two students received financial assistance from the National Youth Administration, which operates under the auspices of the Federal Government. Students earned the assistance by doing clerical and laboratory work for the college. At this time the future of the funds is uncertain.



## ORGANIZED STUDENT ACTIVITIES

The scholastic activities of the Junior College are supplemented by a well-rounded program of student activities. These activities are organized and controlled by the students. They are varied in character and will satisfy a variety of interests. It is felt that values can be obtained from these activities which cannot be developed through the scholastic work of the college, and all students are encouraged to participate in at least one activity during the year.

### STUDENT GOVERNMENT

In so far as is practicable student activities are planned, organized, and initiated by students. To provide a co-ordinating agency for all student groups, to establish fine social standards, and to assure responsibility for student activities, a student council, representative of all student groups, is elected annually. To a great extent the success of student activities depends upon the leadership of this group.

### DRAMATICS

A dramatic group presents a number of one-act plays and two major productions. Students interested in dramatics are given training in all arts of the theater—acting, make-up, scenery-building, costuming, and stage-lighting. This group uses the College Theater as their workshop for major and experimental productions.

Students wishing to give serious attention to dramatics may receive special instruction and credit by enrolling in Art 141 and 142.

### CHORUS

A mixed chorus gives several recitals during the year and meets for training twice a week. Students participating in choral work will receive one credit each year provided they meet the requirements set by the College. This chorus is directed by a member of the faculty, but its business affairs are handled by a student manager.

## ORGANIZED STUDENT ACTIVITIES

### PUBLICATIONS

The "Bucknell Beacon" is a paper published monthly by students. All persons interested in writing and advertising are given an opportunity to gain experience by joining the staff of the "Beacon." Because the Junior College offers only two years of work Freshmen have unusual opportunities to contribute.

### DEBATING

Debating has proven a popular activity, particularly with students who are preparing for law or other occupations that require public speaking. A number of intercollegiate debates are arranged each year.

### ATHLETICS

Basketball, tennis, swimming, and baseball teams have a schedule of games with other colleges each year.

In addition to intercollegiate competition a program of intramural sports has been developed. This program gives every man an opportunity to engage in some sport, basketball, boxing, handball, volley ball, bowling, swimming, or table tennis.

An athletic program for women is being developed. They are now offered opportunities for archery and bowling. Other activities will be added as opportunities and interest develop.

### DEPARTMENTAL CLUBS

A number of clubs have been formed to satisfy the special interests of students in academic, professional or artistic fields. These clubs have been developed through the co-operation of students and faculty. Their organization is quite flexible in order that their programs may be adapted to the current interests of students.

## EXPENSES

The cost for tuition is determined by the number of academic and scholastic courses elected by the individual student. Tuition per semester hour of scholastic work is \$10.00. Breakage and other fees are charged for laboratory courses except in engineering.

For students who are working toward the degree Bachelor of Arts, Bachelor of Science, in Biology, Chemistry or Physics, Bachelor of Science in Commerce and Finance, or Bachelor of Science in Education, the tuition charge each semester (half year) is \$150 or \$160 if the normal schedule of 15 or 16 semester hours is carried.

For students who are working toward the degree Bachelor of Science in Chemical Engineering, Civil Engineering, Electrical Engineering, or Mechanical Engineering, the tuition charge each semester (half year) is \$160 or \$170 if the normal schedule of 16 or 17 semester hours is carried.

### TUITION

A semester hour<sup>1</sup>.....\$10.00

No charge is made for Physical Education

### LABORATORY FEES

Biology 101, 102.....	10.00
Chemistry 113, 114.....	8.00
Chemistry 115, 203.....	10.00
Chemistry 209, 210.....	15.00
Civil Engineering 103.....	5.00
Economics 105, 106.....	1.00
Economics 135, 136, 137, 138.....	20.00
Mathematics 116.....	3
Music, Practical—Private lessons in Piano, Organ, Violin, Voice, Orchestral Instruments	
One lesson per week.....	25.00
Two lessons per week.....	40.00
Physics 115, 116.....	5.00

<sup>1</sup>A semester hour is one hour a week of classroom work or two or more hours a week of laboratory work for one-half year.

## EXPENSES

### BREAKAGE DEPOSITS

Chemistry 113, 114, 115, 203.....	10.00
Chemistry 209, 210.....	15.00

### SPECIAL FEES

Registration deposit (Applied on first semester's tuition)...	10.00
Changed registration (first week).....	1.00
Changed registration (after first week).....	3.00
Late enrollment .....	5.00
Late registration .....	3.00
Marticulation after August 1, 1939.....	2.50
Special examination .....	3.00
Transcript of record (after first copy).....	1.00
Student activities fee.....	5.00

Each student taking a full schedule, or any other student desiring to participate in student activities, is required to pay \$5.00 a semester to cover charges for various student activities.

### PAYMENTS

To be admitted to class the student must pay the semester's bill in advance or make arrangements for payment with the Registrar. Special arrangements can be made for the payment of tuition at intervals during the semester. For this privilege a small service fee is charged.

No student shall be enrolled or receive a transcript of his record until all college accounts have been paid, or satisfactory arrangements for payment have been made.

A credit of \$50 per semester will be given to the children of all ministers.

### WITHDRAWALS AND REFUNDS

The registration deposit of \$10.00 will be refunded if the student is refused admission or notifies the Registrar not later than four weeks before the opening of college that he will not be able to enter. If a student is admitted and begins his work, the deposit is credited on the charges for the first semester.

## EXPENSES

Scholarships will not be allowed on bills computed for a fraction of a semester. The date on which the Director or the Registrar approves the student's withdrawal card is considered the official date of withdrawal. In the case of minors, the approval of parent or guardian is required before any refund is made. No refund will be made of the student budget fee or of laboratory fees for courses dropped after the second week of the semester, nor for extra hours dropped after the second week of the semester. No refund will be made to any student who is required to withdraw on account of misconduct.

Refund of tuition will be made to students who withdraw voluntarily from the University while in good standing according to the following schedule:

On or before October 15, or March 1, a refund of two-thirds of the tuition.

On or before November 5, or March 20, a refund of one-half of the tuition.

On or before December 10, or May 1, a refund of one-fourth of the tuition.

After December 10, or May 1, no refund will be made.

## STUDENTS

### SOPHOMORES: Class of 1941

Ackerman, Phyllis Ruth.....	Wilkes-Barre	Krashkevich, Marguerite.....	Wilkes-Barre
Babchak, Andrew.....	Wilkes-Barre	Labak, Edward.....	Kingston
Baker, Albin David.....	Nanticoke	Lewis, Bessie Ann.....	Wilkes-Barre
Baldauski, Francis Algerd.....	Wyoming	Lewis, Katherine Anne.....	West Pittston
Brennan, Genevieve.....	Kingston	McCabe, Philip Joseph.....	Wilkes-Barre
Brittingham, Freas Wm.....	Wilkes-Barre	McCague, Michael J., Jr.....	Wilkes-Barre
Campbell, Harry Leonard.....	Wyoming	Mackenrow, Jane Amelia.....	Wilkes-Barre
Celmer, Lillian.....	Plymouth	Mandlovitz, Abraham.....	Edwardsville
Centanni, Edward Anthony.....	Pittston	Martin, Marion Gertrude.....	Wilkes-Barre
Coats, Helen Ruth.....	Wilkes-Barre	Matukaitis, Weat Carl.....	Plains
Conway, Robert Thomas.....	Wilkes-Barre	Moore, Margaret Smart.....	Wilkes-Barre
Davidson, Betty M.....	Wilkes-Barre	Morton, William Robert.....	West Pittston
Devens, Drew Louis.....	Nanticoke	Nagle, Robert Edward.....	Wyoming
Donnelly, Frank Leonard.....	Plymouth	Netzel, Philip Carl.....	Wilkes-Barre
Donnelly, Mary Rita.....	Wilkes-Barre	Obitz, Clarence.....	Wilkes-Barre
Dowdell, William Francis.....	Kingston	Osheroff, Leonard.....	Plymouth
Edelman, Jacob Murray.....	Wilkes-Barre	Piskorski, John.....	Hanover Township
Emanski, John Joseph.....	Forty Fort	Place, Julia Marcia.....	Wilkes-Barre
Fischer, Marvin William.....	Edwardsville	Richards, Hayden, Jr.....	Nanticoke
Frantz, Rose Anna.....	Luzerne	Ringstrom, Alfred Charles.....	Trucksville
Freed, Irwin.....	Pittston	Royer, Robert Dale.....	Trucksville
Goldstein, Milton.....	Plymouth	Rummer, Louise Kathleene.....	Wilkes-Barre
Graham, Robert Samuel.....	Ashley	Smailes, Dorothy Susan.....	Parsons
Greenberg, Bernard Louis.....	Kingston	Space, Madge.....	Dallas
Greenwald, Jerome B.....	Wilkes-Barre	Thomas, John R.....	Wyoming
Guiney, John Edward.....	Wilkes-Barre	Troy, Wilbur.....	Wilkes-Barre
Henning, Stanley Philip.....	Trucksville	Tuhy, Darina Judith.....	Wilkes-Barre
Hodges, Margaret Elizabeth.....	Nanticoke	Vlodowski, Joseph.....	Nanticoke
Hopkins, Robert Horace.....	Wilkes-Barre	Warakomski, Chester Henry.....	Nanticoke
Hughes, Dorothy Louise.....	Wilkes-Barre	Weinstock, Chester Edw.....	Wilkes-Barre
Hunt, James Dixon.....	Plains	Whiteman, Christine.....	Kingston
James, Dudley Smith.....	Wilkes-Barre	Wilner, Miriam.....	Pittston
Johnstone, William Jas.....	Hanover Green	Yurkanin, Rita Anne.....	Kingston
Kerr, Robert MacKenzie.....	Wilkes-Barre	Zuber, Robert Emerson.....	Wilkes-Barre

### FRESHMEN: Class of 1942

Aikman, James Butson.....	Larksville	Benscoter, Betty Marian.....	Hunlock Creek
Amesbury, Edward R.....	Wilkes-Barre	Berry, John Leonard.....	Avoca
Austin, Jack Oakley.....	Forty Fort	Betz, Irene Dolores.....	Kingston
Babskie, Lilyanne W.....	Glen Lyon	Bierly, George William.....	Wilkes-Barre
Bennett, Adeline R.....	Wilkes-Barre	Bodycomb, (Irma) Joyce.....	Nuangola

## STUDENTS

Bodycomb, Rosser Irving.....	Nuangola	Kishel, Joseph Michael.....	Nanticoke
Boyd, Betty Jayne.....	Kingston	Koons, Constance.....	Shickshinny
Brislin, Mary Rose.....	Wilkes-Barre	Koons, John Leonard.....	Shickshinny
Brown, Shirley Joyce.....	Wilkes-Barre	Kornblatt, Joseph Julius.....	Wilkes-Barre
Burkert, Twyla Louise.....	Wilkes-Barre	Kresses, Stanley.....	Wilkes-Barre
Bush, John Charles.....	Kingston	Kuschel, John William.....	West Pittston
Condosta, Albert Lee.....	Miners Mills	Lukowski, Joseph Bernard.....	Ashley
Connelly, Robert Watt.....	Kingston	McDade, John Joseph.....	Wilkes-Barre
Connor, Irvin Charles.....	Wilkes-Barre	McDonald, Eugene Martin.....	Nanticoke
Cranston, Kenneth Adair.....	Wilkes-Barre	Mangan, Jack Francis.....	Wilkes-Barre
Curley, Joseph Thomas.....	Wilkes-Barre	Mangel, Florence Shirley.....	Wilkes-Barre
Curtis, Rosina Brandon.....	Kingston	Mangel, Zelta Marion.....	Wilkes-Barre
Davies, Arthur Marnel.....	Wilkes-Barre	Matthews, Grace Florence.....	Plymouth
Degillio, William A.....	Kingston	Most, Robert William.....	Kingston
Dickinson, George I.....	Wilkes-Barre	Murphy, William Joseph.....	Wilkes-Barre
Dooley, John Joseph.....	Larksville	Niewinski, Herman Charles.....	Plymouth
Duddy, Paul Francis.....	Plains	O'Malley, John Francis.....	Kingston
Eaton, Raymon Manson.....	Forty Fort	Pace, Mary Lenore.....	Kingston
Edwards, Selina Louise.....	Wilkes-Barre	Padlick, Joseph John.....	Wilkes-Barre
Evans, David James.....	Barnesville	Padlick, Paul.....	Wilkes-Barre
Farr, Betty Louise.....	Wilkes-Barre	Parry, Mary Eleanor.....	Kingston
Fehlinger, Charles, Jr.....	Ashley	Piatt, Charles Robert.....	Plymouth
Ferguson, John H. D.....	Kingston	Pierce, Frances Josephine.....	Shavertown
Gacha, Steven.....	Wilkes-Barre	Pisano, John Michael.....	Ashley
Ganz, Joseph Harold.....	Swoyerville	Podgorski, Edward Joseph.....	Wilkes-Barre
Gelb, Jack.....	Wilkes-Barre	Polk, Michael.....	Plains
Gevanthor, Morris.....	Wilkes-Barre	Roberts, Edward.....	Wilkes-Barre
Gibbons, Joseph Maurice.....	Bear Creek	Roberts, Reese Evans.....	Wilkes-Barre
Goldstein, Ruth Selma.....	Plymouth	Rogers, Eugene Lawrence.....	Kingston
Grebe, Russell Conwell.....	Wilkes-Barre	Roski, Clemens Joseph.....	Plymouth
Greenbaum, Lydia Anita.....	Nanticoke	Roski, James Benjamin.....	Wilkes-Barre
Greenstein, Anneliese C.....	Wilkes-Barre	Schwager, Mary Elizabeth.....	Forty Fort
Griffith, Kathryn Margaret.....	Nanticoke	Scott, George Arthur.....	Wilkes-Barre
Haefele, Earl Clyde.....	West Pittston	Secunda, David John.....	Wanamie
Hershkowitz, Wesley.....	Kingston	Seeherman, Merle.....	Kingston
Hopkins, Melville.....	Nanticoke	Shinal, Joseph Benedict.....	Wilkes-Barre
Horoshko, Joseph, Jr.....	Lyndwood	Slattery, Thomas Quinn.....	Wilkes-Barre
Jeter, Harry Richard.....	Forty Fort	Smith, Franklin Sherwood.....	Beaumont
Jimison, Joseph Gould.....	Wilkes-Barre	Smith, Ruth Elizabeth.....	Forty Fort
Jones, Gertrude Roberts.....	Plymouth	Smith, Jack Dickie.....	Wilkes-Barre
Kalweit, Karl Ferdinand.....	Nanticoke	Smith, Harold Norris.....	Wilkes-Barre
Kersteen, Donald Robert.....	Kingston	Smocharski, Gertrude Ann.....	Glen Lyon
Kirwin, Helen Chace.....	Wilkes-Barre	Sorber, John Elliott.....	Wilkes-Barre

## STUDENTS

Stanchak, John.....	Kingston	Trebilcox, Paul Hooper.....	Plymouth
Steinert, Clarence Hutchison.....	Kingston	Veigh, Morris.....	Edwardsville
Stets, Albert John.....	Wilkes-Barre	Voyton, Adam Joseph.....	Nanticoke
Stribaugh, Matthew.....	Wilkes-Barre	Wazeter, Leon Francis.....	Wilkes-Barre
Switch, Aloysius Casper.....	Hudson	Whitenight, Elizabeth Ellen.....	Nanticoke
Templeton, Charles, Jr.....	Wilkes-Barre	Wiegand, Doris Ethel.....	Inkerman
Teresinski, Dorothy H.....	Wilkes-Barre	Wolfe, Margaret Esther.....	Kingston
Thompson, Ivan Bell.....	Wilkes-Barre		

## SPECIALS

Dunstan, Marion Jean.....	Kingston	Kuschel, Geraldine Anne.....	West Pittston
Edwards, Christopher M.....	Wilkes-Barre	Kuschke, Mary-Carson.....	Wilkes-Barre
Fichter, Freda R.....	West Hazleton	Lynn, Betty Balliet.....	Kingston
Friant, Jane Mae.....	Kingston	Morgan, William Rosser.....	Kingston
Fry, Jane Daniell.....	Wilkes-Barre	Mundry, John Joseph.....	Nanticoke
Geyer, George S.....	Nanticoke	Naegeli, John Henry.....	Old Forge
Golembiewski, Charles.....	Wilkes-Barre	Ostrosky, Lenore Patricia.....	Duryea
Grover, Robert Elliott.....	Wilkes-Barre	Patton, Robert John, Jr.....	Wilkes-Barre
Hansen, Louise M.....	Wilkes-Barre	Peters, Robert George.....	Kingston
Hartman, Margaret.....	Hazleton	Rosser, Glyn.....	Taylor
Hurley, John Philip.....	Nanticoke	Semmer, Fred Lewis.....	Wanamie
Joseph, William Joseph.....	Wilkes-Barre	Stephens, Dorothy Jane.....	Parsons
Karnofsky, Jack Paul.....	Wilkes-Barre	Swanbery, Wayne Thos.....	Alden Station
Kolb, Hannah Long.....	Wilkes-Barre	Thomas, William Howard.....	Luzerne

## SECOND SEMESTER: 1938-39

Batey, John D.....	Plymouth	Raber, Arthur Kendall.....	Wilkes-Barre
Beaver, Helen Mae.....	West Pittston	Ramsey, James Aloysius.....	Wilkes-Barre
Farley, Eleanor Coates.....	Wilkes-Barre	Ratajski, Josef Edwin.....	Alden Station
Grigger, John Casimer.....	Plymouth	Reap, Mary Grace.....	Pittston
Hammonds, Edith Alice.....	Warrior Run	Rokosz, Leon Francis.....	Nanticoke
Henderson, Charles N.....	Wilkes-Barre	Saricks, John Hauze.....	Wilkes-Barre
Hoffa, Carolyn Lee.....	Kingston	Shedlesky, Bertha.....	Kingston
Jones, Mable Haddock.....	Mountain Top	Thomas, Walter.....	Kingston
Post, William Henry.....	Kingston	Van Loon, John Wheeler.....	Plymouth
Price, Harold Lewis.....	Wilkes-Barre	Whitenight, George Ruch.....	Nanticoke



