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# Gorham State Teachers College Catalogue 1960-1962

Gorham State Teachers College

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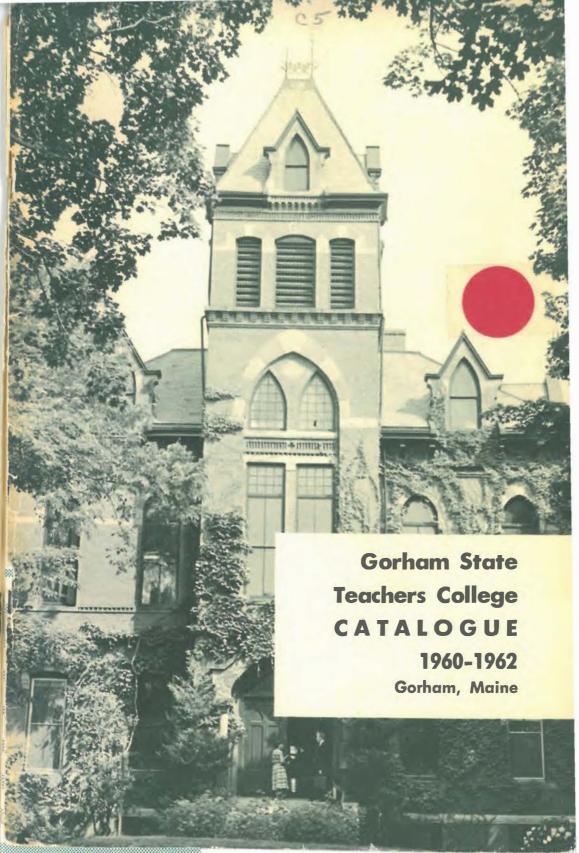
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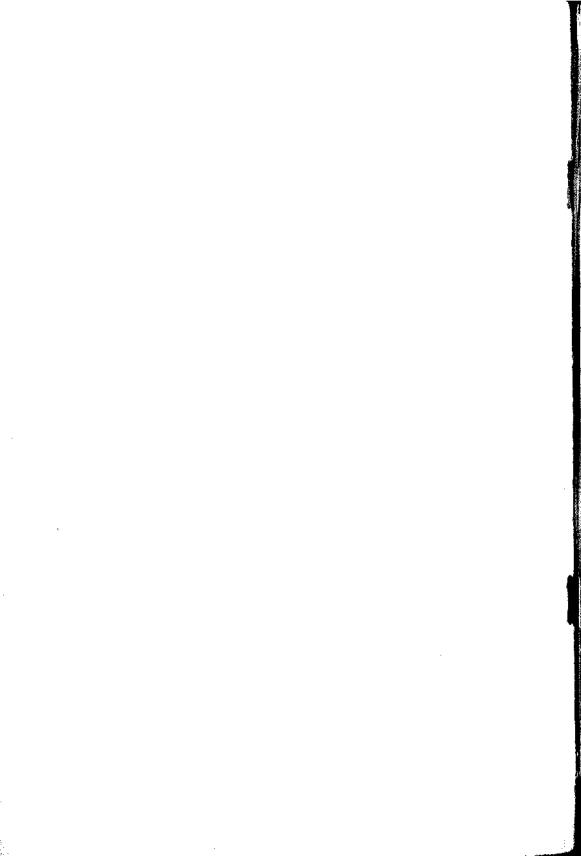
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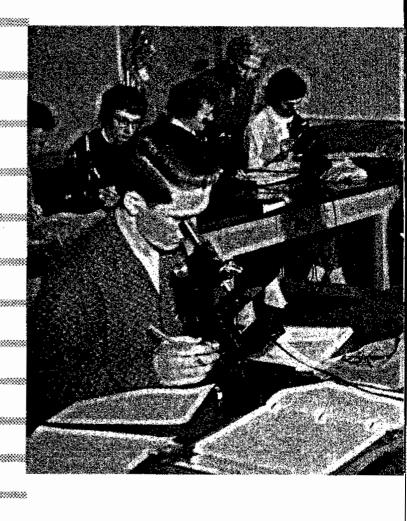
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Gorham State
Teachers College
CATALOGUE
1960-1962
Gorham, Maine



# President's Message



GORHAM STATE TEACHERS COLLEGE
GORHAM, MAINE

Office of the President

#### Dear Student:

As America enters the decade of the 60's, challenges of an unprecedented nature face us. Our national security, our educational development, our spiritual life, in fact our very survival could all be threatened. The people of America have learned that a challenge to the nation is, in truth, a challenge to public education, and have turned to their schools for new hope, new dimensions, and new achievements. Teaching in the 60's, then, will be one of the most dynamic and challenging experiences one can have.

This catalog will introduce you to Gorham State Teachers College as we face the challenges of the 60's, and will give you some insight into how we propose to meet them. I invite you to explore carefully its pages, remembering that the years ahead demand the best of our schools and colleges. Perhaps you will find here, in the challenge of teaching, the personal fulfillment others before you have discovered at Gorham.

Sincerely yours,

Knneth I. H. Brooks

President

September 1, 1960



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Gorham State Teachers College had its official beginning in 1878 when the legislature approved the establishment of a normal school on the site of the Gorham Female Seminary. Opening on January 29, 1879 with six faculty members and eighty-five students, the college has developed over the years to its present size of 700 students and 65 members of the faculty and staff.

History of Gorham State Teachers College

The rapid physical growth of the college from only one building to its present campus of approximately 70 beautifully landscaped acres and twelve buildings is paralleled by the rapidly expanding curriculum. Highlights of the college's development are as follows:

1806 - Gorham Academy Incorporated

1836 - Gorham Seminary completed

 1873 – Gorham Seminary presented to the State of Maine for use as a dormitory
 William Corthell appointed as first principal

Recitation Hall built (later renamed Corthell Hall)

1880 – First class graduated (nicknamed the Strawberry Class)

1894 - Seminary building destroyed by fire

1895 — Academy building given to the State of Maine (oldest building on campus)

1897 - Robie Hall (women's dormitory) constructed

1905 — Dr. Walter E. Russell appointed as second principal Corthell Hall enlarged

1906 - President's home built

1911 - Industrial Arts program started at Gorham

1913 - Brick shop opened

1916 - East Hall built (renamed Andrews Hall, May, 1956)

1926 — Campus school constructed



1927 — First class graduated from kindergarten-primary program

1931 — Russell Hall completed

1938 — First graduates of four year program awarded degrees

1940 - Dr. Francis L. Bailey appointed president

1945 — Name changed from Normal School to Gorham Teachers College

1955 — Program for preparation of music teachers and supervisors added to the curriculum

1955 – Woodward Hall completed (dormitory for men)

1958 — Program for preparation of art teachers and supervisors added

1958 - Bailey Hall completed

1960 — New dormitory for women completed Dr. Kenneth T. H. Brooks appointed president

Location

The town of Gorham is pleasantly located in the heart of a rich cultural and recreational area of Maine. The city of Portland is only ten miles from Gorham providing students of the college with many supplementary educational facilities. In addition, because of the proximity of Boston which is only 100 miles distance, instructors at the college enrich their teaching through trips to this city. The Sebago Lake Region, nationally known for its recreational facilities, is only 12 miles from the college. Thus all winter and summer sports are parts of the extra-curricular experiences of students.

Campus

Situated on a pleasantly landscaped hill overlooking the town of Gorham, the college has come to be known as "The College on the Hill," and the athletic teams as the "Hilltoppers." The quiet serenity of this residential town makes the community an ideal setting for the college. The students and faculty of the college become an integral part of the town through church, educational and civic activities, and many residents of the town are loyal supporters of college events and activities.

Buildings

The buildings of the campus blend a traditional style of architecture with the modern. Representing the former are Academy Hall; Corthell Hall; two women's residence halls, Robie and Andrews, and the President's home. Russell Hall, named after the second president of Gorham provides an auditorium and gymnasium.

The modern style buildings include Woodward Hall which is a men's dormitory; Bailey Hall, named after President Bailey who retired in 1960; and a women's residence hall opened in September of 1960.

Ground was broken in September of 1960 for the library building which will contain sufficient space to accommodate 70,000 volumes.



The major purpose of Gorham State Teachers College is to provide a continuing supply of graduates to serve public education in the areas of Kindergarten-Primary, General Elementary, Junior High School education, and the special fields of Industrial Arts, Music, and Art education.

Objectives of Gorham State Teachers College

The college seeks to produce graduates of professional competence and personal character whose careers will reflect concern with an effective program of teacher education based on the following principles:

- 1. Teachers should be cultured people. They should have a liberal education. They should experience a program of academic excellence providing both breadth and depth.
- 2. Teachers should be able people. They should be products of a responsible institutional process of selection and retention.
- 3. Teachers should be professionally prepared to begin to teach. They should have basic understandings of (a) human growth and development, (b) the teacher-learner process, (c) the cultural foundations of education, and in addition (d) adequate student teaching experience.
- 4. Teachers should be professional people. They should act from a philosophy of life that includes insights into the role of teaching as a profession and the role of the school as a civilizing institution.

# Admission and Academic Regulations

### **Admission Requirements**

## I. Academic Standards

# Policy 1. Admissions Without Restrictions

Applicants graduating in the upper half of their high school classes may, in general, be admitted without restriction upon the satisfactory fulfillment of all other admission requirements. This policy shall not necessarily be applicable to applicants from a secondary school whose graduates have not consistently demonstrated ability to succeed in college.

# Policy 2. Admissions With Restrictions

The college reserves the right to admit conditionally any high school graduate whose application is supported by (1) the establishment of suitable academic ability through an appropriate testing program and (2) satisfactory fulfillment of all other admission requirements.

# Policy 3. College Entrance Board Examinations

Students attaining acceptable standing in the College Entrance Board Examinations will be admitted without restriction upon satisfactory fulfillment of all other admission requirements.

# Policy 4. Inter-College Referrals

The college agrees to accept referral applications from sister institutions with eligibility established under Policies 1 and 3.

#### II. Other Standards for admission are

- 1. Good health-as evidenced by a physician's certificate;
- 2. Aptitude and character—as evidenced by a certificate of recommendation by the high school principal.

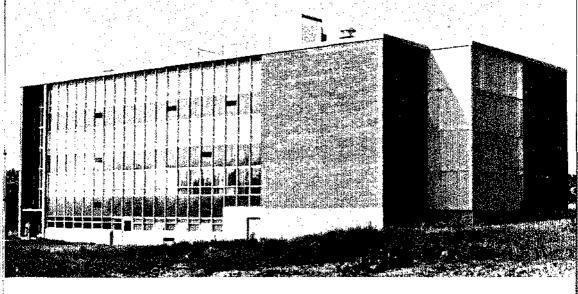
#### III. Interview

Each applicant may be interviewed by a college official. In the areas of Art, Industrial Arts, and Music the interview is required.

# Additional Requirements for Admission to Areas of Specialization

#### Art:

Each applicant for admission to the art program will be required to present a portfolio of his work at the time of interview.



#### **Industrial Arts:**

Students wishing to major in industrial arts should present the following minimum requirements in their high school programs.

English	4 units
(Shop English and similarly designated courses	are not
acceptable.)	
Algebra	1 unit
Geometry	1 unit
Social Science	1 unit
Science	1 unit
(Physics or Chemistry preferred.)	
Industrial Arts or Mechanical Drawing	1 unit

#### Music:

All candidates for the music program will be required to appear before the Music Department for an instrumental or vocal audition. Written music aptitude and achievement tests are administered by the Department at the time of the interview.

# Admission to Advanced Standing:

Students who have had a full year or more of study in any of the teachers colleges in Maine may be admitted to advanced standing at Gorham State Teachers College with full credit for work satisfactorily completed. Credit for work in accredited junior colleges, liberal arts colleges, technical schools, universities, and summer sessions is granted when the work is of C grade or better and in courses corresponding to those offered at Gorham State Teachers College. Applicants for admission to advanced standing must request that an official transcript be sent to the Registrar from the college (s) attended. Student copies are not acceptable.

#### **Admission Procedure**

The student interested in applying for admission to the college should:

1. Obtain an application and medical form from the Director of Admissions of the college or from the principal or guidance counselor of his high school.

2. Have the medical examination form completed by the

family physician.

3. Submit the application and medical forms to the Admissions Office with a \$5 registration fee. Checks should be made payable to *Gorham State Teachers College*. This fee is not returned to any applicant.

The college will request a transcript of the student's high school record for evaluation.

After the Admissions Officer has examined and processed the student's records and recommendations, he will notify the applicant of his status. If an interview is required, the candidate will be so notified. If accepted, the student will be required to indicate a housing choice. A deposit of \$30, which will be credited to the student's account, is required of all residence-hall applicants.

Admission is not final until the student has satisfactorily completed high school requirements and has made an initial payment of \$25 toward tuition.



Annual Expenses

5.00

14.00

5.00

75.00

All figures listed below are for one full college year unless specified otherwise.
TUITION:
Maine Resident\$100.00
Non-Maine Resident\$200.00
ROOM: Dormitory Resident
BOARD:
For all meals served in dormitories \$324.00
STUDENT ACTIVITY FEE 25.00

REGISTRATION FEE (Must accompany application)

INFIRMARY FEE .....

BOOKS (Estimated) .....

CO	HRSE	FFFS

東京院会会が1000年間は1000年間に1000年に1000年

**INSURANCE** 

URSE FEES	
Industrial Arts Majors (Average of four years)	\$ 30.00
Art Majors (Average of four years)	15.00
Music Majors (Includes cost of private lessons)	150.00
All other students	5.00

.....

(Fees for Industrial Arts and Art Majors vary annually from a low of \$5 to a high of \$47).

Applications for dormitory rooms must be accompanied by a \$30.00 deposit in order to hold a room. This amount is applied to the first half-year room payment.

A deposit of \$25.00 which will be applied to the first half-year payment of tuition must be made on or before July 1.

The balance due on tuition, board, and room for the first halfyear, plus all other fees for the full year, must be paid by September 1.

No refunds will be made unless requested prior to August 1.

Exceptions to the above schedule can be made only upon written request to the Bursar and upon approval by the President.

Schedule of Payments



# Student Aid— Loans Scholarships

# Maine State Scholarship

The State of Maine provides funds annually to be used as scholarship aid to Maine residents who are prospective teachers for the state. Applications for these are made directly to the college during the summer and at the time of registration in September and are then submitted to the Committee on Student Aid which determines distribution of the funds on the basis of evidence of need, acceptable standards of scholarship, good citizenship, expressed intention of teaching in Maine, and willingness to help one's self. The scholarships are credited only to tuition, board, and room and are finally determined in May.

# Federal Loan Program

The college participates in the program of federal loans provided by the National Defense Education Act of 1958. This act makes it possible for needy students to secure loans under very favorable terms: i.e. repayment and interest begin after graduation; a ten year period is allowed for repayment; special reductions of the principal based on periods of actual service are made for teachers. Applications for loans under this program are made directly to the college. Good standards of academic scholarship must be maintained in order to qualify for this aid.

## New England Loan Program

Loans up to \$500 a year at low interest rates are available through the New England Higher Education Assistance Foundation to students who have satisfactorily completed their first year in college. The entire amount due is repaid in regular monthly payments within 42 months after graduation. Applications for these funds are made directly to the bank of the student's choice in the State of Maine.

# Other Scholarships

There are also honorary scholarship awards made annually. These are provided by alumni groups and friends and are in recognition of academic achievement, leadership qualities, and exemplary citizenship. They are determined by the judgment of the faculty committee.



# **Work Opportunities**

The college operates an extensive program of student work which includes janitorial and cleaning services, waiting on table, dishroom and kitchen services, library work, and other special services. The amount a student earns depends upon the amount of time spent and the nature of the work. Applications for work are made directly to the college.

A letter system of reporting final grades is used. A, B, C, D, E, F, INC., and W represent the levels of achievement. The basis for determining a grade is the relative extent to which the student has achieved the objectives of the course. A grade of A symbolizes work of superior quality achieved only by the ablest students. B rank indicates work of a quality substantially better than the minimum requirements. C represents work of satisfactory but average quality. D implies a less than satisfactory quality but is allowable for credit except in transfer. F is a failing grade and indicates work of such an unsatisfactory quality that no credit is given. The grade of E gives the student the privilege of making up deficiency in a course by taking a written examination. If he fails this examination, his grade in the course

Grading System becomes an F; and, if he passes, the highest grade obtainable for the course is a D. Inc. indicates that a student has failed to complete specific course requirements because of excused absences or illness. W indicates withdrawal from a course without penalty.

#### **Grade Point Average**

For the purpose of computing grade point averages, the grade of A is assigned four quality points for each semester hour of credit so marked; a grade of B is assigned three quality points; a grade of C, two quality points; a grade of D, one quality point. Other marks receive no point credit. In order to be eligible for the Degree of Bachelor of Science in Education a student must have earned a cumulative quality point average of 2.00. The quality point system aids the college in recognizing outstanding scholastic achievement, in judging merit for financial aid, and in maintaining desirable standards.

#### **Attendance**

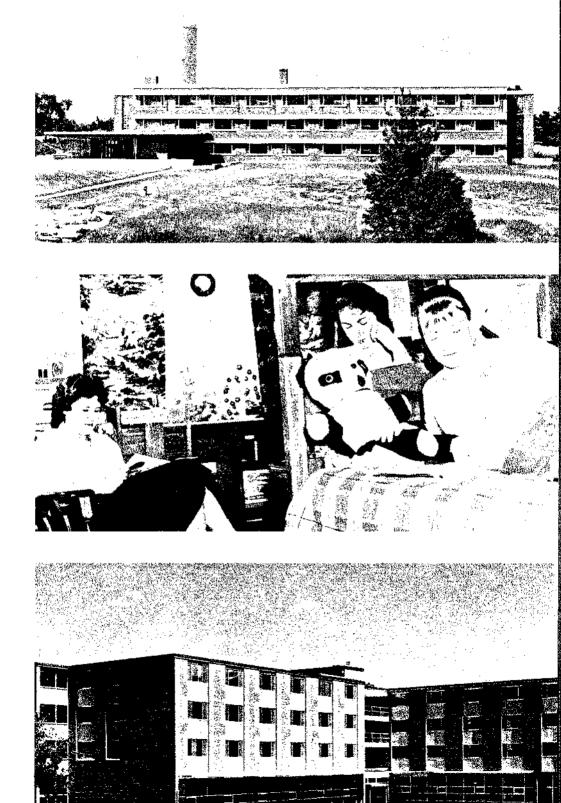
Attendance is normally expected at all class sessions. It is assumed that a student's first responsibility in college is to do his work in a satisfactory manner and that class attendance is necessary to achieve this end.



Housing

The college provides living accommodations for both men and women students. Woodward Hall houses ninety-six men; Robie and Andrews Halls, about two hundred women; and the new unit, one hundred and fifty women. There are two dining rooms for resident students.

Women students and freshman men must live in the residence halls unless they live at home or in the homes of close adult relatives. Because some men cannot be accommodated in the dormitory, the college maintains a list of approved homes in Gorham in which rooms are available. These men may either contract for all their meals at the college dining room or make their own arrangements off campus. For those choosing to eat at the college the standard college rate will apply.



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## Student Health Service

To provide for adequate student health services, the college maintains an infirmary with a full-time registered nurse who is available for consultation, first aid, and temporary emergency care. Two local physicians are available for calls and immunization clinics conducted to safeguard against communicable diseases.

Health and accident insurance, which is required of all students at a nominal fee, covers a portion of hospitalization, surgery, medication, and care by a physician.

Formal instruction in areas of health and physical education is also a part of the health program.



## Counseling Service

Every student has an assigned faculty adviser who conducts regular interviews with him and who is readily available for academic or personal consultation at the request of the student. The informality of the college, however, is such that all students are free to discuss their problems with any faculty member. The Deans of Men and Women are also available for additional counseling.

#### Orientation

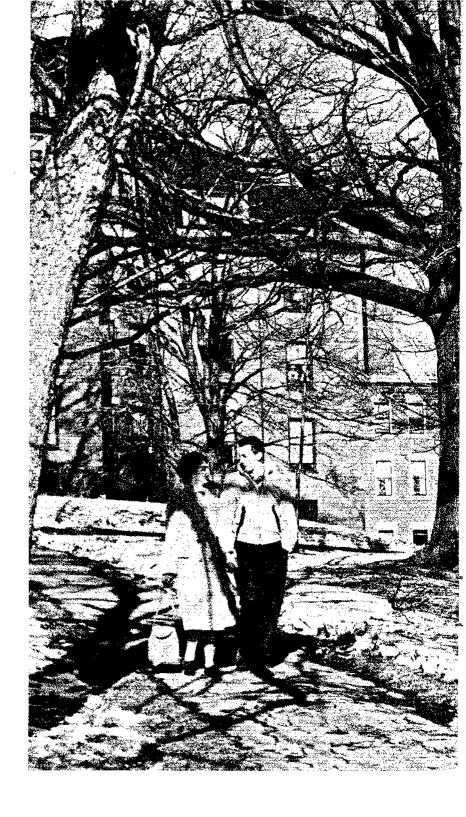
The orientation program for freshmen at the beginning of the year is designed to make the adjustment to college life a pleasant experience. A series of social activities, discussion groups, and tours is conducted by a group of faculty and upper-class student advisers. At this time new friends are made, and the student learns more about the college; its campus, its personnel, and its facilities. This four-day program gives the new student a chance to meet the entire faculty, learn about the program, register for classes, and take tests that will enable the college to assist him in his future plans.

The responsibility of Gorham State Teachers College for assisting its graduates in securing positions is recognized and accepted through its placement office. The aim of the placement office is to help each graduate secure the position for which he is best qualified by training, experience, and personality; and to assist school officials in finding qualified teachers who will meet the needs of their systems. The director of the placement office keeps complete files of candidates, showing their scholastic record, qualifications for teaching, and personal characteristics; informs students concerning location of positions, grade levels, and salaries; arranges personal interviews between school officials and candidates for positions; plans visitations to the schools for interested applicants; and gives guidance to prospective teachers in relation to preparing credentials, to participating in placement interviews, and to evaluating the desirability of various teaching situations.

**Placement** 

The Alumni of Gorham State Teachers College, numbering over 7,000, have always been a vital factor in the development of the college. An active Alumni Association convenes for its annual meeting and banquet on campus during commencement week. Among its many activities are the publication of a directory and a newsletter. Various branches of the Alumni encourage promising young men and women to become teachers by awarding annual scholarships. The Alumni performs outstanding service through encouraging young people of character and ability to enter the teaching profession and by giving the college loyal support in its efforts to improve continually its service and facilities.

Alumni



Gorham has many varied student organizations and activities which make it possible for every student to find a group that is of interest to him. Participation in these extra-class activities is of special importance in the development of the prospective teacher.

Student
Organizations
and
Activities

#### Art Club

This club provides for its members an outlet and an opportunity for creating art objects in various media. Open to all students.

# Intercollegiate Athletics

Gorham State Teachers College is a member of the New England Conference of Teachers Colleges and competes in intercollegiate baseball, basketball, soccer, and tennis. Scholastic proficiency is a requisite for squad membership.

#### Intramural Athletics

The intramural program is conducted by the Physical Education Department with assistance from the fraternities and the Varsity "G" Club. Competitive intramural sports include touch football, basketball, volleyball, softball, tennis, and soccer.

#### Modern Dance Club

A club, open to a select number of students, whose purpose is to provide training in the techniques of modern dance, opportunity for creative self-expression, and the experience of public appearances both on campus and before civic and social groups.

# **Outing Club**

All men and women interested in recreational activities are eligible for membership. It provides a well-rounded program including square dances, splash and bowling parties, clam bakes, and trips. The Outing Club sponsors the annual Winter Carnival.

# Varsity "G" Club

An organization made up of men earning letters in varsity sports competition.





## Women's Athletic Association

An organization to encourage all women students to participate in sports and allied activities. The WAA promotes all women's athletic activities which include archery, field hockey, softball, badminton, and tennis.

#### Amicitia Club

A group of forty girls selected from all four classes whose major purpose is to promote friendship among the women students on campus.

#### Commuters Club

This club brings commuters together in order to give them the opportunity to participate in college projects and to enter into the college social life.

#### Men's Fraternities

ALPHA LAMBDA BETA, KAPPA DELTA PHI, PHI SIGMA PI. Each male student maintaining a C average or better is eligible for selection to membership in one of three fraternities representing social, professional, and academic interests.

## A Cappella Choir

The first aim of the chorus is to cultivate in its members a deep appreciation of good music and a love of singing for its own sake, as well as skill in its execution. Several public concerts are given annually.

#### Band

All students who play musical instruments are eligible for membership. The band usually provides music at certain athletic and other college events.

#### Choristers

A group of twenty-five women students especially chosen from the A Cappella Chorus for their musical ability and interest.

#### Men's Glee Club

A select group chosen from all interested male students on voice qualification and interest in music. Television programs and several public appearances are made.

#### Music Educator's National Conference

The primary purpose of this organization is to promote interest in music education at the college and in the community. The presentation of operas and operettas highlight its many contributions.



### **Industrial Arts Professional Organization**

Open to all industrial arts students and faculty, it brings to the college community professional programs, offers an opportunity for discussion of problems, and promotes professional development.

#### North American Travel Association

Students interested in personal and professional improvement through travel join together in fund-raising activities to finance an annual trip to points of interest in the eastern states.

#### Student Education Association of Maine

An association concerned with the upholding of the moral and ethical codes of the teaching profession. Members of S.E.A.M. are also members of the Maine Teachers Association and the National Education Association. All students are eligible for membership.

#### Hillcrest

The annual yearbook of the college prepared by elected representatives of the junior class and presented to the senior class prior to graduation.



#### The Observer

The college newspaper is published by students interested in all aspects of journalism. It keeps students informed of campus events and happenings and serves as an outlet for journalistic talents.

## Canterbury Club

Episcopalian students have an opportunity to develop spiritually, intellectually, and socially through this club. Meetings are held at Trinity Church in Portland.

#### **Newman Club**

A national organization for all Catholic students in non-sectarian colleges. The over-all program includes discussions, workshops, sponsoring of outside speakers, visits to children's homes, and communion breakfasts.

#### Student Christian Association

A religious organization open to all students. Its purpose is to give spiritual strength and guidance to each of its members and to participate in and sponsor many college activities.

#### Industrial Arts Council

Consists of two members from each class and two faculty members. In addition to clearing up departmental problems in the industrial arts program, it seeks to develop closer understanding and relationship on campus between industrial arts and academic departments.

#### Men's Residence Hall Government

The governing body of the men's residence hall composed of eight members of the House Committee, the president of the residence hall, a secretary, and two representatives from each floor.

#### Student Council

The student governing body of the college composed of representatives elected from each class. The Student Council apportions the income from the student activity fees and provides leadership in all student activities contributing to the general welfare of the college.

#### Women's House Committee

The governing body of the women's residence halls. It strives to serve and promote good citizenship.



#### Curricula

All programs at Gorham State Teachers College are founded on the philosophy that all teachers must have a strong liberal education, some scholarly depth in an area of academic interest, and a rich background of professional knowledge, skill, and experience. In keeping with this philosophy, a minimum of one full year's work in general education is required. Most curricula, however, require that approximately two thirds of a student's study be in liberal arts.

The professional phase of the various curricula requires study in child and adolescent development, philosophy, and general methods of teaching, culminating in eighteen weeks of actual teaching experiences under the guidance of master teachers in a campus laboratory school or in cooperating schools throughout the state.

# **Kindergarten-Primary**

The Kindergarten-Primary program qualifies graduates to teach in the kindergarten through grade six. Considerable emphasis is placed on child development and the teaching of reading. Actual experience in working with younger children in many types of activities is an integral part of the program.

# **General Elementary**

The General Elementary curriculum is similar to the program for majors in Kindergarten-Primary education. It varies primarily in emphasis, concentrating on preparing students to teach in the middle and upper grades. Graduates are certified to teach grades one through eight.

# Junior High

The Junior High curriculum prepares students to teach either English, mathematics, science, or social studies in grades 7, 8, and 9. One major and one minor subject are required of each graduate. Minor subjects also include physical education. Graduates are qualified to teach in the elementary grades or their major and minor in junior high school.

#### Art

The Art curriculum is the only state-approved program in teachers colleges in Maine for the preparation of art teachers and supervisors. Graduates of this program qualify to teach or supervise art in all grades in the public schools.

#### Industrial Arts

The Industrial Arts curriculum prepares teachers for the teaching of industrial arts in elementary and secondary schools. This is the only college program in the state of Maine in this area. The Industrial Arts Department cooperates with the University of Maine in offering, during summer sessions, courses leading to the Master of Education Degree.

#### Music

The Music curriculum qualifies graduates to teach or supervise vocal and instrumental music in all grades. It is the only such program in Maine state teachers colleges.

In addition to the regular curriculum all music majors will meet the following requirements:

- 1. Participation in at least two recitals a year, and presentation of solo recital in junior or senior year.
- Fulfillment of minimum requirements in both voice and piano, regardless of major instrument.
- 3. Participation in at least two musical organizations without credit.



# All General Elementary, Kindergarten-Primary, and Junior High Majors

				Credit Hours
Program			FRESHMAN YEAR	
of Study	Eng Math Sci SS FA Ed PE PE	100-101 100-101 100-101 100-101 100-101 100 100	English Composition College Math or Mathematical Analysis Biological Science History of Civilization Art and Music History and Appreciation Introduction to Teaching Physical Education Health and Hygiene	6 3 6 6 6 2 1 2
			SOPHOMORE YEAR	
	Eng **Sci SS SS SS FA PE Psy	200-201 200-201 200-201 202 203 200-201 200-201 200	English and American Literature Physical Science United States History Principles of Geography Sociology Fundamentals of Art and Music Physical Education General Psychology	6 6 6 3 3 4 1 3
			JUNIOR YEAR	
	Ed Psy SS SS Ed Electives	300-301 300 300 301 302	The Child and His Curriculum Child Psychology Economics Maine History Measurement and Evaluation	15† 2 3 2 2 12
			SENIOR YEAR	
	SS Ed Ed Ed Eng Electives	400 400 401 402 400	American Government Orientation to Student Teaching Philosophy of Education Student Teaching Speech	3 1 3 16 1 6

Placement in course determined by program in high school and mathematical aptitude test.

<sup>\*\*</sup>Science elective may be substituted by students who have pursued an adequate high school program and pass a science qualifying test.
†Junior High Majors have only 12 credit hours.

# Art Majors

•	Credit Hours
FRESHMAN YEAR	
SS 100 History of Civilization	3
Eng 100-101 English Composition	6
Sci 100 Biological Science	3
FA 100 Art Appreciation and History	6
FA 101 Music Appreciation and History	3
Art 100 Fundamentals of Art	3
PE 100-101 Physical Education	1
PE 102 Health and Hygiene	2
Ed 100 Introduction to Teaching	2
Art 101 Arts and Crafts I	2
SOPHOMORE YEAR	
Eng 200-201 English and American Literature	6
SS 203 Sociology	3
SS 202 Principles of Geography	3
SS 200 United States History	3
Psy 200 General Psychology	3
Art 200 Design I	2
Art 201 Elements of Vision	3
Art 202 Arts and Crafts II	2
Art 203 Design II	2
Art 204 Drawing Techniques I	3
Art 205 Contemporary Art	3
JUNIOR YEAR	
Psy 300 or 300A Child or Adolescent Psychology	2
Ed 400 Orientation to Student Teaching	1
Art 300 Integrated Arts	3
Art 301 Drawing Techniques II	3
Art 302 Three Dimensional Art	2
Art 303 Metalwork and Jewelry	2
Art 304 Aesthetics	3
Art 305 Lettering and Display	2
Art 306 Painting Techniques I	3
Art Ed 300 Teaching of Art	3
Art 307 Ceramics	2
Electives	6
SENIOR YEAR	
Ed 402 Student Teaching	16
Art Ed 400 Problems in Art Education	3
Ed 401 Philosophy of Education	3
Art 400 Painting Techniques II	3
Art 401 Advanced Problem in Art	3
Art 402 Weaving	2
Elective	3

# Industrial Arts Major

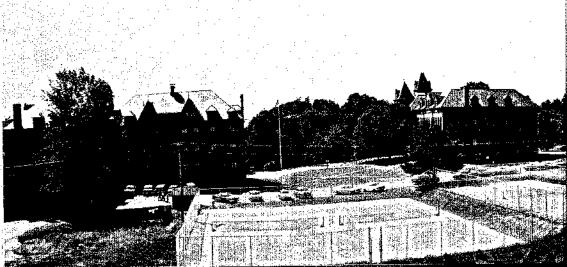
		•	Credit
		FRESHMAN YEAR	Hours
Eng Math PE PE Ed IA IA IA	100-101 100-101A 100-101 102 100 100 101 102 102	English Composition College Mathematics I and II Physical Education Health and Hygiene Introduction to Teaching Sketching Techniques Metals Technology Electricity Essentials of Art and Design	6 6 1 2 2 2 6 6 6 2
		SOPHOMORE YEAR	
SS Psy Sci IA IA PE SS Eng IA IA	203 200 200-201 200 201 200-201 300 400 202 203	Sociology General Psychology Physical Science Technical Drawing Wood Technology Physical Education Economics Speech Machine and Architectural Drawing Power and Transportation I	3 6 2 6 1 3 2 2 6
		JUNIOR YEAR	
Ed SS IA IA IA IA Elective	302 360 300 301 302 303 304 305 e (Ed.)	Measurement and Evaluation Modern Industry General Shop Organization Electronics Graphic Arts I Metals Fabrication Power and Transportation II Methods and Materials of Instruction	3 3 5 4 2 4 4 4 3
		SENIOR YEAR	
Ed Ed IA Ed IA Ed IA IA IA	402 401 403 404 405 406 407 e (Ed.)	Student Teaching Philosophy of Education Analysis and Course Development Problems of Teaching Wood Industries Graphic Arts II Arts and Crafts	16 3 3 1 3 3 2 3

# Music Majors

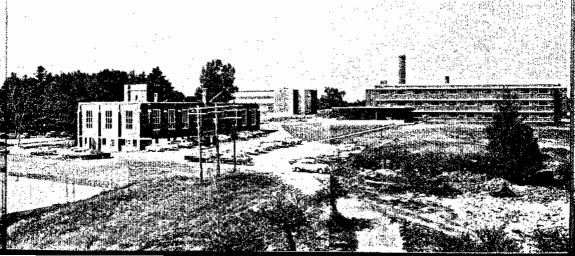
	majors		
			Credit
		FRESHMAN YEAR	Hours
Eng	100-101	English Composition	6
$\mathbf{Ed}$	100	Introduction to Teaching	2
Psy	200	General Psychology	3
Mus	100-101	History of Music I and II	6
Mus	102-103	Theory I and II	6
Mus	104-105	Applied Music	8
Mus	106-107	Vocal Ensemble	2
Mus	108-109	Recital Class	1
PE	100-101	Physical Education	1
		SOPHOMORE YEAR	
SS	203	Sociology	3
FA	100	Art Appreciation and History	3
Mus	200-201	History of Music III and IV	6
Mus	202-203	Theory III and IV	6
Mus		Woodwind Class	2
Mus		Brass Class	2
Mus	206-207	Applied Music	8
Mus	208-209	Vocal Ensemble	2
Mus	210-211	Recital Class	1
PE	200-201	Physical Education	1
		JUNIOR YEAR	
Mus	Ed 300-301	Elementary and Secondary Music Methods and Materials	l 6
Mus	302	Instrumental Conducting	2
Mus	303	Vocal Conducting	2
Mus	Ed 302-303	String Class	4
Mus	306-307	Applied Music	8
Mus	308-309	Vocal Ensemble	2
Mus	310-311	Recital Class	1
Sci	200	Physical Science I	3
Scien	ce Elective	Selected from: Sci 101, 201, 357, 399, 365, 4 451	50, 3
Engli	sh Elective	Selected from: Eng 200, 353, 201, 454, 352, 4 555 2	50, or 3
		SENIOR YEAR	
Ed	402	Student Teaching (Applied Music also required depending on individual needs)	16
Eng	400	Speech	1
Mus	400	Instrumentation	3
Mus		Music Administration and Supervision	3
Mus	402	Applied Music	3
Mus	403	Vocal Ensemble	1
Mus	404	Recital Class	<b>½</b>
Social	S. Electives		5

#### **Electives**

Electives			
		•	Credit Hours
Math	101	Mathematical Analysis	3
Math	350	College Algebra and Trig.	4
Math	351	Analytic Geometry and Calculus I	4
Math	352	Mathematical Statistics	3
Math	450	Calculus II	4
Math	451	College Geometry	3
Math	452	Modern Mathematics	3
PE	350	Teaching PE in Elem. and J.H.S.	3
PE	351	Safety and First Aid	3
PE	352	Personal and Community Health	3
PE	353	Coaching	3
PE	354	Program Planning in PE	3
PE	450	History and Philosophy of PE	3
PE	451	Organ. and Administration of PE	3
PE	452	Outdoor Education	3
IA	350	Arts and Crafts	2
IA	351	Industrial Arts for Elem. School	2
SS	350	World Geography	3
SS	351	Geography of Asia	3
SS	351A	Geography of Europe	3
SS	352	Geography of Latin America	3
SS	353	Geography of North America	3
SS	354	Diplomatic History of U.S.	3
SS	355	Canadian-American Relations	3
SS	356	History of Russia	3
SS	357	History of the West	3
SS	358	Bible	3
SS	359	Europe Since 1919	3
SS	360	Modern Industry	3
SS	361	Teaching Social Studies in the J.H.S.	2
SS	450	Archaeology	3
SS	451	Marriage	3
SS	452	Criminology	3
SS	453	Political Thought	3
SS	454	International Relations	3



Elective	s (Cont.)		
	(00)		Credit Hours
SS	455	Political Geography	3
SS	455 456	Economic Geography	3
Ed	450 450	Dynamics of Adjustment	2
Ed	450 451	Ed. T.V. and Adv. A.V. Aids	3
Ed	452	Remedial Reading	3
Sci	350	Botany (Vascular)	4
Sci	351	Botany (Vascular)	4
Sci	352	Zoology, Invertebrate	$\overline{4}$
Sci	353	Zoology, Vertebrate	$\overline{4}$
Sci	354	Photography	2
Sci	355	Natural Science	2
Sci	356	Physical Geology	3
Sci	357	Historical Geology	3
Sci	358	Ecology	3
Sci	359	Conservation of Natural Resources	3
Sci	360	Methods and Prob. of Teaching Sci.	3
Sci	361-62	Physics I and II	8
Sci	363	Astronomy	3
Sci	364-65	Chemistry	4
Sci	366	History of Science and Tech.	3
Sci	367	Physiology and Anatomy	3
Sci	<b>45</b> 0	Genetics	3
Sci	451	Evolution	3
Eng	350	Children's Literature	2
Eng	351	Improvement of Composition	2
Eng	352	Shakespeare	3
Eng	353	Survey of English Literature	3
Eng	354	Teaching English in J.H.S.	2
Eng	450	Enjoyment of Poetry	2
Eng	451	The Short Story	2
Eng	452	Educational Dramatics	3
Eng	453	American Drama	2
Eng	454	Contemporary Literature	3
Eng	455	Novel	2
$\mathbf{E}_{\mathbf{n}\mathbf{g}}$	456	Creative Writing	2



# Course Descriptions

## Art

FA 100 Art Appreciation and History

A study of the spatial arts of architecture, sculpture, painting, and the handcrafts from prehistoric times to the present.

Three credit hours

FA 102 Essentials of Art and Design

Color theory, principles of design, and art appreciation. Applications of various art media. Selection and appraisal of traditional and contemporary art forms and theories.

Two credit hours

FA 200 Fundamentals of Art

An introduction to the materials and tools of art with practical application based on the fundamental principles of design and arrangement, color and perspective.

Two credit hours

Art 100 Basic Art

An introduction to the principles and basic materials of art. A general exposure to all art media to provide a foundation for future art concentration. Three credit hours

Art 101 Arts and Crafts I

An introduction of three-dimensional arts for elementary grades using simple tools and materials for the crafts which may be found in the average classroom. Prerequisite; Art 100. Two credit hours

Art 200 Design I

The principles of harmony, balance, proportion and rhythm applied to the art elements in pattern, designs, and arrangements using Two credit hours various media.

Art 201 Elements of Vision

A study of light and dark, color, perspective, etc. as each affects the way we see lines, areas, forms, and textures in space. Three credit hours

Art 202 Arts and Crafts II

Three-dimensional arts for advanced elementary, junior, and senior high schools, including projects in art metalwork, weaving, ceramics, block printing, bookbinding, textile painting, leatherwork, etc. Prerequisite: Two credit hours Art 101.

Description of course numbering system:

100-199 — Freshman year courses

200-299 — Sophomore year courses

300-399 — Junior year courses 400-499 - Senior year courses

All courses in the above categories numbered below 50 are required. Courses numbered above 50 are elective. Example: Eng 100 is a required Freshman English course. Eng 354 is a Junior

year elective English course.

Art 203 Design II

Advanced work in the study of design as it is applied to both two and three-dimensional art. Prerequisite: Art 200.

Two credit hours

Art 204 Drawing Techniques I

An introduction to the possibilities and limitations of the various media used in drawing and sketching such as pencil, crayons, pastels, charcoal, pen and ink, etc.

Three credit hours

Art 205 Contemporary Art

A course designed to help the student to un-derstand so-called "modern" art today.

Three credit hours

Art 300 Integrated Arts

A study of ways in which the art program in the school may help to motivate, clarify, and enrich other subjects of the curriculum.

Three credit hours

Art Ed 300 Teaching of Art A study of growth and development in the creative abilities of children and how to utilize art projects to foster initiative, imagination, cooperation, and appreciation in the Three credit hours classroom.

Art 301 Drawing Techniques II

Advanced study in drawing and sketching with special emphasis on the use of various media in pictorial art involving landscape, still life, and figure drawing. Prerequisite: Art 204. Three credit hours

Art 302 Three-Dimensional Art

Experimentations of form in space involving sculpture, stabiles, mobiles, etc.

Two credit hours

Art 303 Metalwork and Jewelry

Introducing basic tools, materials, and methods used for jewelry and art metalwork projects. Two credit hours

Art 304 Aesthetics

A study of the theory of beauty as revealed to us by great historical philosophers and as applied to our understanding of the fine arts of architecture, sculpture, painting, music, and literature. Three credit hours Art 305 Lettering and Display Basic principles of lettering and poster design, matting, framing, and display.

Two credit hours

Art 306 Painting Techniques I

Beginning instruction in water color, tempera, gouache, and oil painting techniques.

Three credit hours

Art 307 Ceramics

Involves the manipulation of various clays and glazes used in making pottery by hand, on the wheel, and in molds.

Two credit hours

Art 400 Painting Techniques II

Advanced instruction in the medias experienced in Painting Techniques I plus an introduction to some of the newer experiments in pictorial art. Prerequisite: Art 306.

Three credit hours

Art Ed 400 Problems in Art Education

A course designed primarily for the student who has already had student teaching in art with the idea of discussing and thereby solving problems which might have arisen at the time of teaching. An attempt is also made to form in each student's mind some sort of basic philosophy of art education. Prerequisite: Ed 402. Three credit hours

Art 401 Advanced Problem in Art

An opportunity for the student to do advanced independent study in some field of art in which he has particular interest. The completion of a definite project in art or art education is required. Senior AE only.

Three credit hours

Art 402 Weaving

The fundamentals of weaving on various types of looms from simple card weaving to four-heddle pattern weaving.

Two credit hours





# Education and Psychology

Ed 100 Introduction to Teaching

Basic freshman course in general education including history of education, organization of American school system, competencies for teaching, professional organizations, code of ethics for teachers, various types of economic security for teachers, certification, and newer concepts of education. Two credit hours

Psy 200 General Psychology

Introductory course emphasizing psychology as a science, development of psychological vocabulary, and application of basic principles to everyday living. Major topics include: motivation, emotions, intelligence, effective learning and thinking.

Three credit hours

Ed 300-301 The Child and His Curriculum

This is a series of coordinated courses designed to prepare teachers who understand the philosophy, the functions, and the organization of modern elementary and junior high schools. It is intended that these teachers shall also be capable of selecting and guiding learning experiences at the level for which they specialize. Students are divided into three groups according to specilization:

Kindergarten-Primary Credit Hours (15)

Primary Curriculum and Materials (Science, Social Studies, Language, Arts) (3) Nursery School and Kindergarten (2)

Audio-Visual Aids (1) Elementary Reading (2)

Elementary Arithmetic (3) Art in Elementary Education (2)

Music in Elementary
Education Credit (2)

General Elementary Credit Hours (15)

Elementary Curriculum and Materials (Science, Social Studies, Language Arts)

Studies, Language Arts) (3) Audio-Visual Aids (1) Elementary Reading (2)

Elementary Arithmetic (3) Art in Elementary Education (2)

Music in Elementary

Education (2)
One elective methods course (2)

	Credit Hours (12)
Junior High Organization and Materials (2)	
and Materials	
Advanced Reading	$(\bar{2})$
Junior High Mathema	tics (3)
Audio-Visual Aids	(1)
Elective methods	
Major	(2)
Minor	(2)

Psy 300 Child Psychology

Considers all aspects of child growth and their relationship to the program of the elementary school. Consideration given to the role of parents and society in proper child development. Prerequisite: Psy 200.

Two credit hours

Psy 300A Adolescent Psychology Study of the physical, mental, social and emotional development of the adolescent the changes of this period and influence on behavior. Selected case studies and projects help make application of basic principles to problems of adjustment to school, home, and community. Prerequisite: Psy 200.

Two credit hours

Ed 302 Measurement and Evaluation

Construction, selection, and use of educational achievement tests including diagnostic and survey instruments. Skill in writing improved essay and objective types is developed. Validity and reliability of typical stan-dardized tests is investigated. Elements of statistics, tabulation of data, measures of central tendency, variability, correlation, and uses of each.

Two credit hours

Ed 400 Orientation to Student Teaching

Review of elements which make teaching a profession, application of the NEA code of ethics to student teaching, introduction to school law, instruction in ways of working with school personnel and with people in the community, a study of procedures in self-evaluation, and suggestions for professional growth of beginning teachers.

One credit hour

Ed 401 Philosophy of Education

A course designed to examine the major historic and current viewpoints that concern the nature, aims, and practices of education. The relationship of philosophy to personal and professional growth is a focal theme of the course. Three credit hours

Ed 402 Student Teaching

Full-time student teaching is done under careful supervision during one semester of the senior year. The semester is divided into two terms so that each student has the opportunity of teaching in two situations. For this purpose the Campus School and cooperating schools are utilized. Industrial Arts ma-

jors are required to reside in the town to which they are assigned. Student teaching is provided in the following specializations: Kindergarten-Primary, General Elementary, Junior High School, Music, Art, and Industrial Arts. Sixteen credit hours

Ed 450 Dynamics of Adjustment

Designed to provide greater understanding of own behavior and sensitivity to that of others. Theories of personality discussed and evaluated. Emphasis on normal individual and adjustment to change in terms of ego processes. Prerequisite: Two courses in psychology. Two credit hours

Educational T.V. and Advanced Audio-Visual Aids

A seminar-type course dealing with a most modern audio-visual teaching tool today. The types of and uses of educational television are developed, including open-circuit, closedcircuit, and college use of educational television. Up-to-date current topics related to television and education are discussed; also advanced related audio-visual techniques, materials, and equipment are explored. Direct current research problems and techniques on the part of the student enable one to be involved in the educational television field. Three credit hours

Ed 452 Remedial Reading

This course provides both class discussion and clinic situations. Individual problems and methods by which the teacher copes with individual difficulties are explored; testing and diagnostic work are studied and carried out with a group of children. Prerequisite: Reading with a grade of A or B. Three credit hours



### **English**

Eng 100-101 English Composition

Basic freshman course combining principles of written composition and critical study of types of literature. Practice in writing with emphasis on mechanics and style is emphasized the first semester and is followed in the second semester by study of literature to refine reading habits and tastes.

Three credit hours

**Library Science** 

To promote better use of the library through the study of arrangement of books and materials, printed parts of a book, dictionaries and encyclopedias, card catalog, periodical indexes, bibliographies and book lists, and a selected list of reference books. Taught by the college librarian as a part of Eng 100-101.

Eng 200 English Literature

Survey course in English literature from its beginnings to 18th Century. Representative selections from the English literary heritage are viewed in relation to the times which produced them.

Three credit hours

Eng 201 American Literature

Survey course in American literature from Colonial Period to end of 19th Century. Includes development of American literature, historical background and intellectual trends, contribution of major writers.

Three credit hours

Eng 350 Children's Literature

Designed to acquaint students with varied types of literature for children in lower and middle grades. Emphasizes extensive reading, but also includes selection, critical evaluation, and use of materials.

Two credit hours

Eng 351 Improvement of Composition

Designed to aid students desiring to gain improvement in mechanics of expression. Relates grammar to modern techniques of writing. Reading of selected writings provides models for related exercises.

Two credit hours

Eng 352 Shakespeare

A study of the history plays of Shakespeare such as *Richard II*, *Henry IV*, *Henry V*, *Henry VI*, and *Richard III*. In addition at least one comedy will be considered. Some study of the Elizabethan Theater and of the age in which Shakespeare wrote included.

Three credit hours

Eng 353 Survey of English Literature

An extension of the basic course in English literature, covering the representative writers

of the Romantic and Victorian periods in England. Prerequisite: Eng 200.

Three credit hours

Eng 354 Teaching English in the Junior High School

A methods course for upperclassmen. Review of basic fundamentals of English grammar and writing skills. Creative approach to the teaching of both grammar and literature at the junior high level. Two credit hours

Eng 400 Speech

Introductory course. Training and practice in delivering a speech. Study of voice production, analysis of the speech situation, evaluation of speech materials. Study of phonetics, including a survey of phonetic symbols. Learning to vary rate, pitch, intonation pattern, volume, and expression for more effective speech. Interpretative reading, presentation of speeches, and recordings.

One credit hour

Eng 450 Enjoyment of Poetry

A course for upperclassmen designed to teach comparisons of good and bad poetry. Includes the emotions of poetry, and the techniques. Extensive reading of all poetic types.

Two credit hours

Eng 451 The Short Story

A study of the short story as a literary form. The techniques and artistic effects of the outstanding works of many American, British, and continental storytellers are evaluated through critical reading and discussion.

Two credit hours

Eng 452 Educational Dramatics

Practical guidance for future teachers in directing plays in schools. Considers the problems involved in choosing a script, in casting, and in conducting rehearsals. Students not only learn the methods of educational dramatics but study plays for an understanding of plot structure and technique.

Three credit hours

Eng 453 American Drama

A beginning survey of the history of American drama from the Colonial era to the present. The reading of a selected list of plays, followed by analysis and criticism. Some biographical study of dramatists in this country to supplement a knowledge of their works. Certain techniques of the theater in its development are considered.

Two credit hours

Eng 454 Contemporary Literature

Presents significant writers, largely English and American, of modern times. Emphasizes wide and discriminating reading.

Three credit hours

Eng 455 Novel

A course in the reading and critical evaluation of the work of representative novelists from Jane Austen to William Faulkner. Focus in first quarter is on English and continental novels of 19th Century; in second quarter, on modern novels. Two credit hours

Eng 456 Creative Writing

An advanced course. Readings in narration, the short story, and the informal essay; study of tone, style, and point of view; writing with stress on narration. Prerequisite: Consent of instructor.

Two credit hours



## Health and Physical Education

PE 100-101 Physical Education (Women)

A service program emphasizing fundamental skills in sports, body mechanics and rhythm. Includes instruction in tennis, archery, trampoline, tumbling, volleyball, folk and ball-room dance, and fundamentals of rhythm.

One-half credit hour

PE 100-101 Physical Education (Men)

The development of physical fitness, skills, and leadership through conditioning exercises, touch football, soccer, volleyball, basketball, tumbling, softball, and a variety of games.

One-half credit hour

PE 102 Health and Hygiene

The course aims to help students gain understandings, insights, and values which will help them make choices concerning their own health in face of conflicting mores.

Two credit hours

PE 200-201 Physical Education (Women)
Major objective is the building of organic
fitness. Fundamental skills, poise, relaxation,
and leisure-time activities.

One-half credit hour

PE 200-201 Physical Education (Men)

Aims to continue to develop physical fitness, skills, and leadership through conditioning, exercise, speedball, wrestling, square dancing, apparatus, track, tennis, golf, and various games, contests, and relays.

One-half credit hour

PE 350 Teaching Physical Education in the Elementary and Junior High School

A professional preparation course for students seeking certification to teach physical education. Covers growth patterns of junior high school children, program planning, and problems in physical education at the junior high level. Also presents an opportunity to teach games, contests, and relays to students from the Gorham Junior High School.

Three credit hours

PE 351 Safety and First Aid

Basic principles of first aid and procedures to follow in case of accidents. Safety education to gain knowledge, skills, and attitudes that make for safety.

Three credit hours

PE 352 Personal and Community Health

Includes the concern with health of people as a group, governmental and social activities responsible for controlling the environment and promoting health. The nature of communicable diseases, health needs of mothers and children, control of food, water, waste, ventilation, heating and lighting—development of special programs for health maintenance in the schools are emphasized.

Three credit hours

PE 353 Coaching

The purpose of this course is to prepare the coach for his opportunity as an educator, and to analyze and understand the fundamentals of individual and team play in four major team sports: football, basketball, baseball, and soccer.

Three credit hours

PE 354 Program Planning in Physical Education

Trends in the planning of programs. Criteria for selecting the activities. Programs for special occasions. Activity preferences of various age levels. Opportunity given to work out programs with Campus School students.

Three credit hours

PE 450 History and Philosophy of Physical Education

This course describes the position physical education has occupied throughout the years in civilized society. The present status of physical education, the theories and methods of the leaders, the heritages from early movements, as well as the relationship which physical education has borne to general education, receive attention. Three credit hours

Organization and Administration of **Physical Education** 

A professional preparation course for stu-dents seeking certification to teach physical education. Course covers the organization and administration of the required physical education program, intramurals, and interscholastic program. Three credit hours

PE 452 Outdoor Education

Emphasizes the subject of school camping throughout the country. Includes major types of activity such as camperaft, nature study, woods safety, sports, knowledge of community organizations, and school camping. Three credit hours



#### **Industrial Arts**

IA 100 Sketching Techniques

Lines, shapes, lettering, and their application. Pictorial and other orthographic representations, blackboard sketching, cartooning, and techniques of illustrating. Two credit hours

IA 101 Metal Technology

Overview of metal technology included in designing, planning, constructing, and evaluating of projects in the areas of sheet metals, art and bench work, forge, foundry, and lathe work. Safety practices, a study of metals and related information. Use and care of handtools, machines and equipment. Six credit hours IA 102 Electricity

Fundamentals of electrical theory, AC and DC generation and distribution. Applications in lighting, signal devices, heating, power and control devices. Test equipment and Six credit hours procedures.

IA 200 Technical Drawing

Techniques of instrumental drawing, including lettering, theory of shape and size description, orthographic and pictorial representation, geometric development, and production illustration. Experiences in inking, tracing and printmaking. Two credit hours

IA 201 Wood Technology General woodworking based on the selection, use, and care of handtools and machines; wood identification and selection; construction principles; safety practices; and techniques of wood finishing. Designing, planning, and construction of small projects. Six credit hours

IA 202 Machine and Architectural Drafting

Application of the elements of drawing machine parts, threads, fasteners, gears, and cams to detail and assembly drawings. Architectural designing, planning, and execution of residential plans. Standard details of construction, print reading, and specifications. Prerequisite: IA 200. Two credit hours

IA 203 Power and Transportation I

Basic principles of internal combustion engines as related to the transportation field. Manufacturing procedures and materials used in the automotive industry. Laboratory experiments and practices developed around maintenance and minor repair of automobiles, small engines, and outboard motors. Six credit hours

IA 300 General Shop Organization Basic principles of organization and management of an industrial arts program. Planning the school shop, selection and arrangement of equipment, and organization of content. Application of these principles in-cluded. Prerequisites: Industrial Arts courses through IA 202. Five credit hours

IA 301 Electronics

Fundamentals of electronics. Industance. capacitance, and resistance applications in electronic equipment. Trouble shooting procedures. Prerequisite: IA 102.

Four credit hours

IA 302 Graphic Arts I

Introduction to graphic arts procedures in relief and offset printing. Design and production of graphic materials which involve elementary hand composition, imposition, and lock-up, platen presswork, paper cutting and padding, block carving, rubber stamp

making and direct image offset reproduction. Elements of design, papermaking, inks, and related technical information.

Two credit hours

IA 303 Metal Fabrication

Intensive study of sheet metal fabrication, spinning, welding, and machine shop practice. Individual and group projects or activities and related technical studies. Instructional devices and shop maintenance practices. Prerequisite: IA 101.

Four credit hours

IA 304 Power and Transportation II

Power—its sources, generation, transmission and utilization. Design and construction of different models to illustrate principles involved. Intensive experience in the maintenance and repair of engines, fuel and electrical systems, chassis, power trains and brakes. Prerequisite: IA 203.

Four credit hours

#### IA Ed 305 Methods and Materials of Instruction

Classroom and laboratory experiences involving the nature and direction of learning. Planning for effective teaching, preparation, and use of audio-visual materials, devices, and equipment. Planning and preparation of teaching units and lessons. Demonstration teaching and critiques. Orientation to student teaching.

Four credit hours

IA 350 Arts and Crafts

Information and experiences in crafts activities to enrich classroom teaching. Crafts for summer counseling, club or community programs, or for recreational interests or needs. Non-majors only. Two credit hours

IA 351 Industrial Arts for the Elementary School

The role of industrial arts in the elementary school. Activities and projects correlating with unit teaching and enriching the general curriculum of the school. Study of correct material and tool usage with special emphasis upon safe practices. Non-majors only.

Two credit hours

IA Ed 403 Analysis and Course Development

Curriculum construction in industrial arts based on an analysis of student interests and needs, curricular objectives and instructional content. Techniques of course development involving resource units, experience units, instructional units, and trade and job analysis are discussed and evaluated. Development of teaching units discussed and specimen courses of study required. Prerequisite: Ed 402.

Three credit hours

IA Ed 404 Problems of Teaching

Investigation, discussion, and possible solutions to problems arising from student teaching experiences. Teacher certification; graduate education; professional and ethical procedures; and standards involved in securing and holding a teaching position. Prerequisite: Ed 402. One credit hour

IA 405 Wood Industries

Intensive work in one or more phases of woodworking including recent developments. Patternmaking, special machine operations, functional project design, building construction, and techniques of modern finishing methods. Group production problems, individual research assignments, shop maintenance, and related technical problems. Prerequisite: IA 201. Three credit hours

IA 406 Graphic Arts II

Line and display composition and reproduction, printing, engraving, bookbinding, offset plate making, and reproduction. Individual and production type projects or jobs. Typographic design and layout emphasized. Prerequisite: IA 302. Three credit hours

IA 407 Arts and Crafts

Activities and materials used in recreational and adult craft programs. Experiences in designing and construction of projects in several media, planning, organizing, and operating a crafts program. Two credit hours



#### **Mathematics**

Math 100 College Mathematics I

A required course for all freshmen except those who enroll in Math 101. Topics stressed include a modern interpretation of the number system and its operations, algebraic symbols and operations, linear equations, special products and factoring, algebraic fractions, exponents and radicals, quadratic equations, proportion, variation and formulas. Emphasis placed on the conceptual part of these topics rather than on the operations themselves.

Three credit hours

Math 100A College Mathematics II

(for I.A. students only) Because of the specialized nature of the course an eclectic approach to the usual areas of college mathematics governs the content of the course. Topics included are: logarithms, theory and operation of the slide rule, graphical methods, and trigonometric functions.

Three credit hours

Math 101 Mathematical Analysis

A substitute course for Math 100. Study of the recent developments in mathematics as well as the content of the usual course in College Algebra. Initial part is devoted to such topics as: logic, number system, groups, fields, and sets. Additional emphasis on algebraic symbols and operations, fractions, exponents and radicals, functions and their graphs, quadratic equations, systems of linear equations, and systems of quadratic equations. Prerequisites: Two entrance units of mathematics and satisfactory achievement on standardized tests. Three credit hours

Math 350 College Algebra and Trigonometry

Additional work with exponential equations, logarithms, binomial theorem, progressions, complex numbers, theory of equations, determinants, permutations and combinations, probability, treatment of analytic trigonometry together with essential elements of numerical trigonometry in relation to right and to oblique triangles. Integrated treatment of algabra and trigonometry in many instances.

Four credit hours

Math 351 Analytic Geometry and Calculus I
Essentially a course in the differentiation and integration of algebraic functions with analytic geometry as needed. Includes basic applications of maximum and minimum values, curve tracing, rate of change, and integration as a process of summation. Prerequisite:

Math 350.

Four credit hours

Math 352 Mathematical Statistics

A first course in mathematical statistics including such topics as: frequency distributions and their statistics, moments, special averages, the normal curve, statistical inference, curve fitting, regression and correlation, and the binomial distribution.

Three credit hours

Math 450 Calculus II

Differentiation and integration of transcendental functions, applications to parametric equations, polar equations, and roots, radius and circle of curvature, theorem of mean value, integration of standard elementary forms. Prerequisite: Math 351.

Four credit hours

Math 451 College Geometry

Encourages constructive reasoning by stress-

ing generalizations, alternate solutions, and related problems. Topics stressed are: review of fundamental concepts, directed elements, constructions, geometric loci, elementary transformations, and inversion.

Three credit hours

Math 452 Modern Mathematical Concepts

A modern approach to selected topics in mathematics, including symbolic logic, sets, functions and relations, introduction to modern algebra and geometry.

Three credit hours

Review Mathematics

A non-credit course for beginning students who are not prepared for the regular mathematics courses. The number system, operations, fractions, decimals, percentage, measurement, operations with literal numbers, and linear equations are stressed.

No credit hours

**Elementary Arithmetic** 

Recommended ideas in presenting arithmetic up through the sixth grade that is socially and mathematically meaningful, preparation of teaching materials and devices, evaluation of current textbooks, arithmetic for the slow learner and for the gifted, grouping, unit teaching.

Three credit hours

**Junior High School Mathematics** 

Currently recommended ways of teaching junior high school mathematics, with emphasis on both mathematical and social understanding; diagnostic testing and remedial teaching; evaluation of new books and materials; programs for teaching both the slow learner and the advanced pupil.

Three credit hours

REGISTRAN'S CORNER





#### Music

FA 101 Music Appreciation and History

Guiding the uninitiated listener into the complex land of music. "Listening" to music rather than "hearing" it. Listening intelligently to great music such as important works of Beethoven, Chopin, Bach, Schubert, Liszt, Brahms, and others.

Three credit hours

FA 201 Fundamentals of Music

Provides students with a background of essentials necessary for intelligent reading of music. Helps develop natural musical abilities through participation in singing, rhythmic activities, and instrumental work. Creates an appreciation of music through an awareness of its basic structure.

Two credit hours

Mus 100 History of Music I

Renaissance and Baroque music. Historical data for each important epoch or composer. Examples are played, analyzed, and discussed. Three credit hours

Mus 101 History of Music II Application of the method of History of Mus 101 to the classic era.

Three credit hours

Mus 102 Theory I

Major and minor scales; intervals; triads and chord connection; cadences; harmonization of soprano and bass lines utilizing primary triads; related dictation and keyboard application. Three credit hours

Mus 103 Theory II

Triads in first and second inversion; specific uses of the six-four chord; secondary triads in fundamental position and inversion; modulation; non-harmonic tones (passing, auxilliary, appoggiatura, suspension, and anticipation); dominant seventh chord (root position and inversion, regular and irregular resolu-tions); related dictation and keyboard appli-Three credit hours cation.

Mus 104, 105, 206, 207, 306, 307, 402 **Applied Music** 

May be taken in piano, voice, or any orchestral or band instrument. One private lesson a week required with special fee.

Four credit hours

Mus 106, 107, 208, 209, 308, 309, 403 **Vocal Ensemble** 

Emphasizing singing technique and interpretation and an exploration of choral literature of various periods and styles. Principles of choral training are exemplified. The repertoire is varied from year to year so that the course covers a considerable range during a given student's attendance. One credit hour

Mus 108, 109, 210, 211, 310, 311, 404 Recital Class

Performance in major field, stage procedure, and evaluation of performances.

One-half credit hour

Mus 200 History of Music III

Romantic music. Music of the romantic period is played, analyzed, and discussed.

Three credit hours

Mus Ed 200 Woodwind Class

Methods of teaching woodwind instruments; practical experience on various woodwinds; elements of transposition; and scoring for woodwinds. General students may take class woodwings. General with instructor's approval.

Two credit hours

Mus 201 History of Music IV

Contemporary music. Recent tendencies in music and their relationship to music of the past. Dealing not only with harmonic but also with some of the melodic, rhythmic and structural features of 20th Century European Three credit hours and American music.

Mus Ed 201 Brass Class

Methods of teaching brass instruments; practical experience on various brasses; elements of transposition; and scoring for brasses. General students may take class with in-Two credit hours structor's approval.

Mus 202 Theory III

Chords of the leading-tone seventh and diminished seventh-root position and inversions (regular and irregular resolutions); modula-tion; unfigured bass; secondary seventh chords of related keys; expansion of nonharmonic tones; chorales and their harmonization; related dictation and keyboard application. Prerequisite: Mus 103.

Three credit hours

Mus 203 Theory IV

Chords of the ninth, eleventh, and thirteenth; altered chords; Neapolitan sixth; augmented sixth chord and inversions; general chromatic alterations; modern harmony; related dictation and keyboard application. Prerequisite: Mus 202.

Three credit hours

# Mus Ed 300 Elementary Music Methods and Materials

Study of approved methods and materials of music education in the elementary school. Discussion and actual teaching in the classroom.

Three credit hours

### Mus Ed 301 Secondary Music Methods and Materials

Study of approved methods and materials of music education in junior and senior high schools. Continuation of Mus. Ed. 300.

Three credit hours

Mus 302 Instrumental Conducting

Organization, training, and directing of bands and orchestras. Practical conducting experiences, score reading, basic beat patterns, and interpretation. Study of the style of various periods.

Two credit hours

Mus 303 Vocal Conducting

Organization, training, and directing of choruses and glee clubs in high schools and junior high schools. Study and practice in technique of the baton, rehearsal technique, and problems of diction and rhythm.

Two credit hours

Mus Ed 302 String Class

Class methods and materials in teaching violin. Fundamentals of violin, including bowing, tone production, intonation, and fingering techniques extended into third position.

Two credit hours

Mus Ed 303 String Class

String ensemble methods and materials for beginning strings. Fundamentals of viola, cello, and string bass. Rudiments of fingering, bowing, and tone production.

Two credit hours

#### Mus 400 Instrumentation

A study of the nature of the various instruments. Practice in scoring for instrumental combinations, orchestra, and band.

Three credit hours

#### Mus Ed 400 Music Administration and Supervision

Designed to present an integrated picture of philosophies of administration, and to resolve problems encountered in student teaching. Also to present new viewpoints based on discussion of text and individual problems.

Three credit hours



#### Science

Sci 100 General Biology I

Freshman course emphasizing principles of plant life. Concepts of fundamental life processes, as well as adaptations, interrelationships, and evolutionary development are stressed.

Three credit hours

Sci 101 General Biology II

Freshman course emphasizing principles of animal life. Concepts, method, and activities as stated in Biology I. Three credit hours

Sci 200 Physical Science I

General principles in the field of the physical sciences including physics, geology, and astronomy.

Three credit hours

Sci 201 Physical Science II

A continuation of Physical Science I with emphasis on chemistry. Prerequisite: Sci 200. Three credit hours

Sci 350 Botany, Vascular Plants

Study of form and structure as related to function, life cycles, economic uses, and ecology of vascular plants. Some work in collecting, identifying, and preserving of specimens. Prerequisite: Sci 100-101.

Four credit hours

Sci 351 Botany, Non-vascular Plants

Study of form and structure as related to function, life cycles, economic uses, and ecology of non-vascular plants. Some work in the collecting, identifying, and preserving of specimens. Prerequisite: Sci 100-101.

Four credit hours

Sci 352 Zoology, Invertebrate

A study of the form, structure, and life processes of the major groups of invertebrates. The areas are considered in respect to the animal's adaptation to his environment. First-hand ecological observations and collection of specimens for material for laboratory experiences. Prerequisite: Sci 100 101. Four credit hours

Sci 353 Zoology, Vertebrate

The form, structure, and life processes of the major groups of vertebrates. The areas are considered in respect to the animal's adaptation to his environment. Field trips are taken to various habitats which afford first-hand ecological observations and also supply living material for laboratory experiences. Prerequisite: Sci 100-101.

Four credit hours

Sci 354 Photography

A study of the historical development of the camera, types of cameras and lenses, types of fihns, lighting, composition, and processing. Photography will be considered as a dynamic tool of the teacher. Class limit 10.

Two credit hours

Sci 355 Natural Science

A course primarily for teachers in the elementary school. Includes a variety of topics in the area of biology such as insect metamorphosis, bird migration, fossil records, animal communities, plant communities, animal behavior, animal reproduction, survival foods, fungi and man, and related subjects. Emphasis is on obtaining an understanding and appreciation of the flora and fauna of New England. Three credit hours

Sci 356 Physical Geology

The course interprets the earth's surface as a result of the work of streams, glaciers, vulcanism, erosion, and other geological agents. The identification of rocks and minerals is included. Prerequisite: Sci 200-201.

Three credit hours

Sci 357 Historical Geology

Study of the earth's history in terms of the physical, chemical, and biological changes which have taken place from its origin to the present time. Emphasis is placed upon the methods of interpreting this history through fossils and structural characteristics.

Three credit hours

Sci 358 Ecology

The interrelationships of plants and animals and their physical and biotic environments. An emphasis is placed on population dynamics and successions. Three credit hours

Sci 359 Conservation of Natural Resources

The study of the better-known practices for the utilization of our natural resources. Topics covered in the course include mineral resources, soils, forests, water, wild life, man himself, and recreation.

Three credit hours

## Sci 360 Methods and Problems of Teaching

Reading, discussions, experimentation, field trips, and other audio-visual techniques are presented and evaluated as an integral part of this course. Emphasis is placed on concept formation in science believed to be consistent with patterns of child growth and development.

Three credit hours

Sci 361 Physics I

A general course in beginning college physics. Topics include mechanics, heat and wave phenomena. Prerequisites: Sci 200-201 or permission of instructor.

Four credit hours

Sci 362 Physics II

A continuation of the first semester including magnetism, electricity, light, and selected topics in modern physics. Prerequisite: Sci 361.

Four credit hours

Sci 363 Astronomy

Fundamentals of astronomy with emphasis on the planets, moon, comets, meteors, the solar system, star evolution, and telescopes. Three credit hours

Sci 364-365 General Chemistry

A course covering the basic concepts and theories of inorganic chemistry, including some concepts of qualitative, quantitative, and organic chemistry. Prerequisites: Sci 200-201 or equivalent. Four credit hours

Sci 366 History of Science and Technology

A comprehensive survey of the historical development of science and, to a minor extent, technology. The major emphasis will be devoted to science and scientists since 1600. Prerequisites: Sci 100-101 and Sci 200-201 (grade of C or better). Three credit hours

Sci 367 Anatomy and Physiology

General introduction to the study of structure and function of the human organism, with emphasis on the mechanisms involved in the following systems: muscular, nervous, circulatory, respiratory, digestive, excretory, endocrine, and reproductive.

Three credit hours

Sci 450 Genetics

The principles and laws of heridity with emphasis on statistical analysis and experimental literature.

Three credit hours

Sci 451 Evolution

A study of the evidence for organic evolution based essentially upon comparative anatomy, ecology, and genetics.

Three credit hours



#### Social Science

SS 100 History of Civilization I

A survey of history from prehistoric times through the period of discovery and conquest of the New World. The course presents concepts of history and introduces methods and uses of history. Three credit hours

SS 101 History of Civilization II A continuation of SS 101. Traces the development of characteristic features of the modern period, world issues, and the roles of the great European powers from seventeenth to the twentieth century.

Three credit hours.

SS 200 United States History, 1789-186S The constitutional period of United States History emphasizing growth of political forms and territorial expansion, and featuring the conflicts between slavery and humanitarianism, states rights and nationalism which led to the war between the states. Three credit hours

SS 201 United States History Since 186S Political, social and economic history of the United States since the Civil War with emphasis on political history. Reconstruction, imperialism, world politics, progressive movement, depression, cold war.

Three credit hours

SS 202 Principles of Geography

A basic course surveying man's habitat over the entire world. Includes a study of the tools of geography; earth relationships; the atmosphere; climatic regions of the world; landforms and their formation; the earth's waters, soils, and their formation and distribution; natural vegetation; and animal life. Also a study of world population and the world pattern of trade routes.

Three credit hours

SS 203 Sociology

Emphasizes the factors which influence society. Includes a study of social institutions, ethnology, social and physical anthropology, and introductory archaeology. Symposia and field trips are employed. Three credit hours SS 300 Economics

Classical economic theories, consumer education, and international economics. Emphasizing research, individual and group presentations, discussions, and lectures. Prerequisite: SS 203. Three credit hours

SS 301 Maine History

An attempt is made to familiarize the pupils with books about Maine. Stress is placed upon encouraging interest in state and local history and developing appreciation of Maine's past and her present potentialities. Wide reading in a variety of books dealing with the State is required. Each student does some research about the past of his home Two credit hours town.

SS 3SO World Geography

An up-to-the-minute survey of the world, giving information about continents and nations to develop an understanding of world affairs and an appreciation of geography in general. Required of all junior high social studies majors. Prerequisite: SS 202.

Three credit hours

SS 3S1 Geography of Asia

An intensive geographic study of each of the countries of the world's largest continent. Special attention given to the countries created since World War II as well as to the so-called trouble zones such as the Middle East, the Russian Far East, Korea, Southeast Asia, and the two Chinas. Prerequisite: SS Three credit hours 202.

SS 3S1A Geography of Europe

A detailed analysis of (1) the continent as a whole-it's history, climate, topography, population, natural vegetation, and soils; (2) a study of individual countries on the continent with special consideration being given to the three great powers—Russia, Great Britain, and France. Prerequisite: SS 202. Three credit hours

SS 3S2 Geography of Latin America

An intensive study of the countries and major islands south of the Rio Grande. Special emphasis is given to the economic importance of Latin America to the United States and vice versa. Emphasis is also placed on Latin American Culture and the political relations between United States and the Latin American countries. Prerequisite: SS 202. Three credit hours

SS 3S3 Geography of North America

An intensive regional study of North America emphasizing climate, topography, soils, natural vegetation, natural resources, agriculture, industry, transportation, and population. Also emphasizes the dependence of one region upon another, as well as the dependence of cities on rural areas and vice versa. Prerequisite: SS 202.

Three credit hours

SS 354 Diplomatic History of the **United States** 

Outlines the chief diplomatic problems of the nation with emphasis on the diplomacy of the Revolution, the Civil War, World War I, and World War II.

Three credit hours

SS 355 Canadian-American Relations

This course deals with selected topics germane to the historical, cultural, economic, geographic, and political interactions of Canada and the United States.

Three credit hours

SS 356 History of Russia

Political, social and economic history of the Russian people. Equal stress on Ancient Russia, Czarist Russia, and Soviet Russia. Topics include geographic backgrounds, invasions and migrations, Byzantine influence, imperialism, westernization, revolution, and the Three credit hours Communist state.

SS 357 History of the West

Traces the advance of the frontier from the salt water coast line to the last frontier in the Great Plains. Emphasis is placed upon the new challenges offered the pioneers and their adjustment to them. The problems of the minors, the cowboys, the shepherds, and the farmers are considered. Changes in transportation and shifts in governmental policy as they pertained to the West are studied. Three credit hours

SS 358 Bible

Study of portions of both the Old and the New Testaments. Emphasis is given to historical background, literary qualities, authorship, and materials available for more schol-Three credit hours arly study.

SS 359 Modern Industry

Evaluation and structure of modern American industry and its impact upon the social, economic, and cultural pattern. Personnel and management organization and control, industrial relations, production practices, and product distribution. Three credit hours

SS 400 American Government

The theory, organization, and practice of American government with emphasis on the national level. Required of seniors.

Three credit hours

SS 450 Archaeology

The study, preparation, display of specimens; cataloging; and planning of further excava-

tions. Emphasizes the history, techniques of excavation, nature and description of sites recently excavated or being excavated by the department. The processes of discovery, excavation, and scientific evaluation are stressed. Class limited to ten approved applicants. Prerequisite: SS 203.

Three credit hours

SS 451 Marriage

The factors pertaining to marital adjustment: Physical, social, psychological, and religions are emphasized. Medical school film is utilized considerably. The course is directed towards a personal counseling approach. Slides, lectures, symposia, and discussions are employed. Three credit hours

**Study** of historical penology, crime, punishment, causes of crime, and the interrelationship of crime and contemporary American culture. Visits to penal institutions are included. Prerequisite: SS 203.

Three credit hours

SS 453 Political Thought

Introduction to classical political philosophy. Emphasis on the 19th and 20th century development of liberalism, democracy, social darwinism, nationalism, socialism, and the total state claims of fascism and communism. Three credit hours

SS 454 International Relations

A study of the principles and practices involved in transactions of governments, international organizations, groups and peoples. The course stresses the agencies and policies that shape the destinies of commerce, diplomacy, power, sovereignty, war and peace. Three credit hours

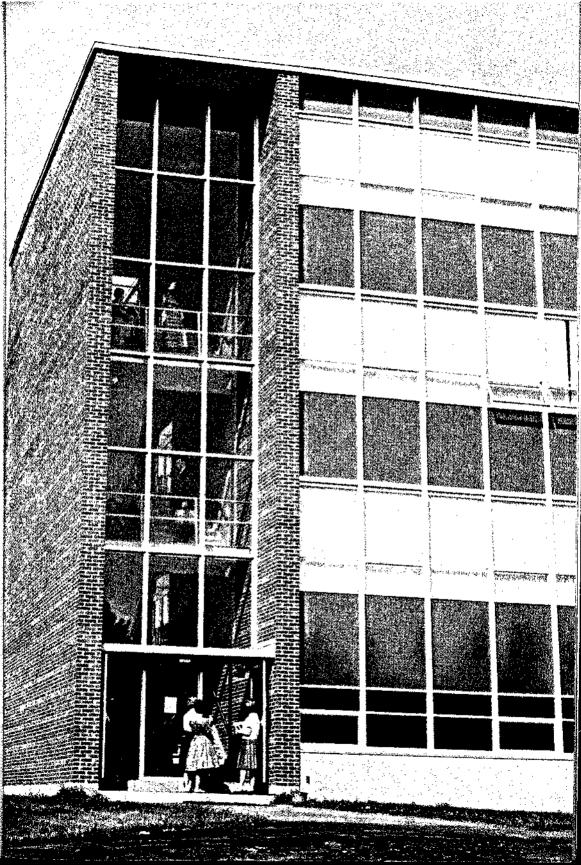
SS 455 Political Geography

A study of the geography of the major political units of the world with special reference to such factors as location, size, shape, natural resources, population, boundaries, ethnographic structure, language, religion, type of government, colonies and colonial problems. Special emphasis is given to the so-called strategic areas of the world. Prerequisite: SS 202. Three credit hours

SS 456 Economic Geography

A study of the economic activities of man and their physical background. Includes agriculture, mining, forests, and industry, as well as the economic significance of the sea and the geographic aspects of transportation and commerce. Prerequisite: SS 202.

Three credit hours





#### **Administrative**

#### **Personnel**

KENNETH T. H. BROOKS

President

A.B., University of New Hampshire
Ed.M., Ed.D., Boston University

RALPH E. Duso

Administrative Assistant

B.Ed., Keene Teachers College
M.A., New York University

ALLSTON E. SMITH
Registrar
B.S., Boston University
M.S., University of Maine

ETHELYN F. UPTON

Director of Student Teaching

B.S., M.A., Columbia University

EDNA F. DICKEY

Dean of Women

A.B., M.A., University of New Hampshire

Alberta E. Littlejohn

Principal, Campus School

B.S., Gorham State Teachers College
Ed.M., Boston University

John Mitchell Chairman, Industrial Arts B.S., Fitchburg State Teachers College M.A., University of Minnesota Ed.D., Pennsylvania State University

RICHARD T. WESCOTT

Dean of Men

A.B., Colby College

Ed.M., Boston University

ALICE BOOTHBY
College Nurse
R.N., Maine Eye and Ear Infirmary

CELIA GROSS

House Manager, Andrews Hall

B.S., Gorham State Teachers College

F. ETHEL ROWLANDS House Director, Andrews Hall

MARGARET SIMMONS House Director, Robie Hall

DOROTHEA DUNTON
House Director, Woodward Hall
B.S., University of Maine

EMILY GORDON House Manager, New Residence Hall

RUTH B. LEWIS House Director, New Residence Hall

ELECTA M. BROWN
Bursar
Shaw's Business College

DOROTHY R. BERRY Secretary Shaw's Business College

VIRGINIA M. CHRISTENSEN
Secretary
Maine School of Commerce

Genice R. Johnson Secretary Gray's Business College

MADELINE H. WESCOTT Secretary Northeastern Business College

## **Faculty**

WILLARD ARNOLD
Associate Professor of English (1954)\*
A.B., DePauw University
Ed.M., Boston University
A.M., University of Iowa

A.M., University of Iowa
George Ayers

Instructor of Science (1959)
B.A., University of Maine
M.A., Ohio State University

George Barker
Instructor of Science (1955)
B.S., Gorham State Teachers College
M.S., Boston University
Graduate Study Harvard University

MARY BARKER
Associate Instructor Campus School (1951)
B.S., Gorham State Teachers College
Graduate Study University of Maine

Paul Barker Associate Professor of Social Sciences (1949) B.A., Wittenburg College M.S., Kansas State College B.D., Colgate Rochester Divinity School Graduate Study Berlin University, Tubinger University, Germany, Boston University

ARTHUR O. BERRY
Assistant Professor of Industrial Arts (1955)
B.S., Gorham State Teachers College
Ed.M., Pennsylvania State University
Graduate Study University of Connecticut

JERRY L. BOWDER

Assistant Professor of Music (1960)

A.B., University of Washington

M.M., Lewis & Clark College

Ph.D., Eastman School of Music

James A. Bowman

Assistant Professor of Psychology (1949)

B.S., Gorham State Teachers College

M.Ed., Boston University

Graduate Study Boston University

Kenneth T. H. Brooks

President (1959)

A.B., University of New Hampshire
Ed.M., Ed.D., Boston University

Albert E. Brown
Assistant Professor of Industrial Arts (1950)
B.S., Buffalo State Teachers College
M.A., University of Minnesota
Graduate Study Pennsylvania State University

GERARD G. CHAMBERLAND
Assistant Professor of Music (1957)
B. of Mus., M. of Mus., Boston University
Graduate Study University of Glasgow,
Harvard

Angeline Colpitts
Associate Instructor Campus School (1950)
B.A., Valley City North Dakota Teachers
College
Graduate Study University of Maine

MELISSA H. COSTELLO
Instructor of Education, Assistant Director of
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B.S., Gorham State Teachers College
Ed.M., University of Maine
Graduate Study University of Maine

RICHARD A. COSTELLO
Assistant Professor, Director of Athletics
(1953)
B.S., University of Alabama
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Graduate Study University of Maine,
Springfield College

Edna F. Dickey Assistant Professor of History, Dean of Women (1946) B.A., M.A., University of New Hampshire Graduate Study Boston University, Columbia University, Wesleyan University, Syracuse University

Donald J. Doyle Instructor Campus School (1956) B.S., Gorham State Teachers College Ed.M., University of Maine

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Administrative Assistant (1948)
B.Ed., Keene Teachers College
M.A., New York University
Graduate Study University of New Hampshire

Marjorie Eames
Assistant Professor of Library Service, Head
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B.S., Middlebury College
B.S.L.S., Pratt Institute Library School
A.M.L.S., University of Michigan
Graduate Study Columbia University, Boston University, University of Vermont

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PEARL FICKETT Instructor of English (1957) A.B., University of Maine

<sup>\*</sup>Date joined staff

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B.S., Sargent College Ed.M., Springfield College

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On leave of absence 1960-61 National
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State University

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