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1932-1960

Catalogs

1944

State Teachers College at Bridgewater. 1944-46. [Catalog]

Bridgewater State Teachers College

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Commonwealth of Massachusetts



State Teachers College

at

Bridgewater, Massachusetts

1944-1946



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THE COMMONWEALTH OF MASSACHUSETTS

DEPARTMENT OF EDUCATION

STATE TEACHERS COLLEGE

AT

BRIDGEWATER

Founded in 1840

Accredited by: American Association of Teachers Colleges

Member of: New England Teacher-Preparation Association

Eastern States Association of Professional Schools for Teachers

THE COMMONWEALTH OF MASSACHUSETTS

DEPARTMENT OF EDUCATION

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MARTINA McDONALD, Supervisor of Music
THOMAS A. PHELAN, Supervisor of Teacher Placement

COLLEGE CALENDAR

1943 - 1944

May 26, 1944	.	.	.	.	.	.	.	.	Scholastic Aptitude Test
June 2	.	.	.	.	.	.	.	.	Close of the Academic Year

1944 - 1945

FIRST SEMESTER

September 8	.	.	.	.	.	.	.	.	Scholastic Aptitude Test
September 11	.	.	.	.	.	.	.	.	Opening of the Academic Year
October 12	.	.	.	.	.	.	.	.	Columbus Day
November 3	.	.	.	.	.	.	.	.	End of First Quarter
November 29 (noon) to December 4	.	.	.	.	.	.	.	.	Thanksgiving Recess
December 16 to January 2, 1945	.	.	.	.	.	.	.	.	Christmas Recess
January 19	.	.	.	.	.	.	.	.	Close of First Semester

SECOND SEMESTER

January 22	.	.	.	.	.	.	.	.	Beginning of Second Semester
February 17 to 26	.	.	.	.	.	.	.	.	Winter Recess
March 23	.	.	.	.	.	.	.	.	End of Third Quarter
March 30	.	.	.	.	.	.	.	.	Good Friday
April 14 to 23	.	.	.	.	.	.	.	.	Spring Recess
May 30	.	.	.	.	.	.	.	.	Memorial Day
May 28 to June 1	.	.	.	.	.	.	.	.	Commencement Week

FACULTY

John J. Kelly, M.Ed., President

Charles E. Doner	Handwriting
Brenelle Hunt	Psychology
Frieda Rand, B.A.	Music; Glee Club; Orchestra
Louis C. Stearns	Gardening; Greenhouse
S. Elizabeth Pope, M.A.	Dean of Women; Introduction to Education
Edith H. Bradford, M.A.	Modern Languages
M. Katharine Hill, B.L.I.	Literature; Speech
Joseph I. Arnold, M.A., Ph.D.	History; Sociology
Julia C. Carter, B.A.	Library
Ruth E. Davis, M.A.	Director of Training
Olive H. Lovett, Ed.M.	English
La's L. Decker, M.A.	Physical Education
*George H. Durgin, Ed.M.	Mathematics; Economics
Paul Huffington, A.M.	Geography
Charles E. Foth, M.A.	History
Mary Isabel Caldwell, M.A.	Physical Education
E. Irene Graves, M.A.	Biological Science
Iva V. Lutz, M.A.	Education
Balfour S. Tyndall, Ed.M.	Science; Geography
Ruth I. Low	English
*Frederick A. Meier, Jr., M.S.	Physical Education; Science
John L. Davoren, M.Ed.	English; Dramatic Club
Clement C. Maxwell, M.A., Ph.D.	Head of English Department
Dorothy D. Nutter, M.A.	Art
Mary M. Crowley, M.S.	Art
Frederick L. Wood, M.S.	Mathematics; Economics
T. Leonard Kelly, M.S., M.A.	Science

The Training School

Evelyn R. Lindquist, Ed.M.	Principal
Neva I. Lockwood, B.S.	Grade Six
Louise H. Barchers, M.A.	Grades Four and Five
A. Mabelle Warner	Grade Five
Helen E. Sleeper	Grade Four
Charlotte H. Thompson, B.S.	Grade Three
Gladys L. Allen	Grade Two
Gertrude M. Rogers, M.S.	Grade One
Grace E. Smith	Grade One
Mary L. Marks	Kindergarten
Grace E. Riddell, B.S. in Ed.	Grade Two and Three

Administration

Bernice H. Geyer	Principal Clerk
Doris I. Anderson	Registrar
*Edna M. Mullen, B.S.	Head Matron and Dietitian
Jean C. Haggart, R.N.	Resident Nurse
Thomas E. Annis	Chief Engineer
Ralph G. Nelson	Head Custodian

* On leave of absence, military service.

† On leave of absence.

HISTORY

The story of Horace Mann is familiar to all in Massachusetts. He, more than any other one individual, was responsible for the ideal of "a trained teacher for every child." With the help of many who joined with him, he succeeded in persuading the General Court to try the experiment of Normal Schools for the training of teachers.

Of the three schools thus opened, Bridgewater was one, and it has continued ever since, with no loss of time, in the place where it began its work. Normal School and Teachers College, Bridgewater has had an uninterrupted tradition. Throughout its more than one hundred years of service to the children and youth of the Commonwealth, Bridgewater ideals, "the Bridgewater spirit," have had a very real existence and influence in the field of education.

In 1932, by act of the General Court, Bridgewater, together with the other State Normal Schools, became a State Teachers College. The change, which brought the teacher training institutions of Massachusetts into line with other similar institutions, gave them the needed prestige and the privilege of granting the degree now considered essential to graduates.

The State Teachers College at Bridgewater is modern in buildings and equipment. Its campus is occupied by Boyden Hall, built in 1926, which contains classrooms, library, laboratories, lockers and rest rooms for commuting students, the Horace Mann Auditorium, and administration offices; the Albert Gardner Boyden Gymnasium providing for modern physical education; Tillinghast Hall, with dining hall, large and small reception rooms, kitchen, and dormitory rooms for women students and employees; Woodward Hall, the larger of the dormitories, with reception rooms, kitchenette, and recreation rooms; the Training School, an elementary school under joint town and state control, where junior students spend their first period of practice teaching under critic teachers; Gates House, the President's residence; and the heating and lighting plant. Playing fields, a large garden and a greenhouse add to the usefulness and attractiveness of the college grounds.

Bridgewater is so near Boston that students share many of the cultural advantages of that city. Every year large groups visit the Flower Show, The Arboretum, the museums, operas, theaters, and symphony concerts; while smaller groups make various excursions to other points of interest in many places.

The number of students admitted to the college is limited by the Department of Education. Conditions of admission are designed to select, as far as possible, students who sincerely desire to live up to the college motto, "Not to be ministered unto, but to minister." The following quotation from the Bridgewater catalogue of 1844 still remains true:

"This institution . . . claims . . . to afford aid and encouragement to those faithfully striving to learn their duty. Such, only, are wanted at this School. It should be distinctly understood that this School has no power to make good teachers of the dull or the idle . . . A teacher must educate himself. This institution will assist him."

The "Bridgewater spirit" has been a reality for more than a hundred years. It is a great heritage to carry into the next century.

STUDENT ACTIVITIES

General Statement.—A varied program of activities is carried on at the college with a fourfold purpose: recreation, social enjoyment, cultural opportunities, and training in leadership. So many clubs and groups are meeting that every student should be able to find one from which he may derive pleasure and profit. Besides, he will find his experience valuable when he is expected to take responsibility, as a teacher, in the club program of his school.

The Student Co-operative Association

Women's Athletic Association

Men's Athletic Association

Campus Comment

Alpha—Year Book

Men's Club

Dramatic Club

Glee Club

Orchestra

Garden Club

Hobby Club

French Club

Science Club

Topics of the Day Club

Kindergarten-Primary Club

Library Club

Press Club

UNDERGRADUATE EXTENSION COURSES

The State Teachers College, in affiliation with the State Department of University Extension, offers credit courses of collegiate grade in order to provide for graduates of the two-year, three-year and four-year (without degree) curricula the opportunity of qualifying for the degree of Bachelor of Science in Education. Graduates of the two-year curriculum are required to pass satisfactorily courses aggregating sixty semester hours. Graduates of the three-year curriculum are required to pass satisfactorily courses aggregating thirty semester hours. Graduates of the four-year curriculum (without degree) are required to pass satisfactorily courses aggregating fifteen semester hours.

Detailed information will be furnished, upon application, at the office of the registrar.



Administration Building



Plymouth County Room



College Library



Tillinghost Dining Hall

REQUIREMENTS FOR ADMISSION

I. **Application for Admission.** Every candidate for admission to a Teachers College must fill out a blank entitled "Application for Admission to State Teachers College" and send it to the President of the Teachers College which he desires to enter. This blank may be secured from the High School or the Teachers College and may be filed after January 1 of the candidate's senior year. The blank should be filed by June 1.

II. **Blanks to be filed by the High School Principal.** The principal of the High School is expected to fill out two blanks—one giving the "High School Record" for each year, and the other a "Rating of Personal Characteristics"—and send them to the President of the Teachers College.

III. **General Qualifications.** Every candidate for admission as a regular student must meet the following requirements:

1. **Health.** The candidate must be in good physical condition and free from any disease, infirmity, or other defect which would render him unfit for public school teaching. A statement from the family physician and examination by the College physician are required evidences of satisfactory health.

2. **High School Graduation.** The candidate must be a graduate of a standard four-year High School, or have equivalent preparation.

3. **Completion of Fifteen Units of High School Work.** The "High School Record" must show the completion of fifteen units accepted by the High School in fulfillment of graduation requirements. "A unit represents a year's study in any subject of a secondary school so planned as to constitute approximately one-fourth of a full year of work for a pupil of normal ability. To count as a unit, the recitation periods shall aggregate approximately 120 sixty-minute hours. Time occupied by shop or laboratory work counts one-half as much as time in recitation."

4. **Personal Characteristics.** The "Rating of Personal Characteristics" and the moral character of the candidate must, in the judgment of the President of the Teachers College, warrant the admission of the candidate.

IV. **Scholarship Requirements.** (Plan A, certification, is the original admission plan. The shortage of trained teachers in this area has made it necessary for the Department of Education to approve two additional admission plans, B and C, for the duration of the war.)

1. **Plan A—Certification**

The privilege of certification is extended to public and private schools and academies in the Commonwealth of Massachusetts. The Teachers Colleges will accept the certificating grade regularly established by the individual school for college entrance. Units of certification will be determined on the same basis

as units of credit, subject to the restrictions of this bulletin.

The Department of Education reserves the right to withdraw the privilege of certification from any institution when its students fail to measure up to the standards required by the Department. The responsibility of the High School will continue through the Freshman year in the Teachers College. Admission by certification is granted to candidates who present work of certificating grade in 12 units as follows: seven from the prescribed list and five elective. The units must be so distributed that the number offered in any field, including the prescribed units, shall not be more than the following: English, 3 units; Social Studies, 4 units; Science, 3 units; Foreign Language, 5 units (no credit accepted for less than 2 units of any one language); Mathematics, 3 units; Commercial Subjects, 2 units; Fine and Practical Arts, 2 units; and Physical Education, 1 unit.

Prescribed—7 units as follows: English, 3 units; American History and Civics, 1 unit; Algebra, 1 unit; Geometry, 1 unit; Science, 1 unit.

In case of subjects which continue for two years, the grade for the last year must be a certificating grade in order that both units may be accepted for certification. If the subjects continue for three or four years, the grade for one other year, as well as the grade for the last year, must be a certificating grade in order that 3 or 4 units may be accepted for certification.

In case of English, only 3 units will be accepted among the required 12 units. A fourth unit of English may be accepted as one of the three additional units necessary to make up the fifteen units of High School work.

2. **Plan B**

Candidates not fully certified, but ranking in the upper half of their High School classes will be admitted, provided that they satisfactorily complete a scholastic aptitude test and are recommended by a committee of Teachers College faculty appointed to interview such candidates.

3. **Plan C**

Candidates who do not meet the requirements of Plan A or Plan B, but who possess a High School diploma, and are interested in teaching, will be permitted to take an aptitude test and to present themselves for an interview before a faculty committee. Such candidates will be admitted **on trial** on recommendation of the interviewing board, provided the score in the aptitude test is satisfactory.

Scholastic Aptitude Test will be given at this College May 26, 1944, and September 8, 1944.

EXPENSES

Semester Fee. There is an annual fee of \$75. Of this amount \$37.50 must be paid in September, before registration in classes, and \$37.50 at the beginning of the second semester.

Board. Rates for board and room are established by the State Department of Education. The present annual rate is \$330, payable promptly as follows, the first payment to be made before a room is assigned.

At the opening of the college	
year in September	\$99
December 1	77
February 1	77
April 1	77

An extra proportionate charge is made for board during the regular vacation periods.

Gymnasium Laundry Fee. All students participating in Physical Education Activities are required to pay an annual fee of \$2 to meet the expense of laundering the bath towels used by them in the gymnasium. This fee is due at the opening of the college year.

Tuition. To residents of Massachusetts tuition is free. Residents of other states may be admitted upon payment of tuition at the rate of \$300 a year, one-half of which amount is payable at the beginning of each half-year, provided that the admission of such students does not exclude or inconvenience residents of Massachusetts.

All payments must be made strictly in advance, without the presentation of bills. A diploma is not granted until all bills are paid.

Other Expenses. Certain student enterprises which are supported by all the students are financed by means of the Student Activities Fee, which is payable at the beginning of each college year. This fee may vary from year to year, but is approximately \$7 for women undergraduates and \$10 for undergraduate men. Graduate students are assessed \$4.

Students purchase their textbooks, writing materials, art materials, gymnasium outfit, and all supplies carried away for their future use.

The required gymnasium outfit for women, consisting of special uniform and shower equipment, costs approximately \$14. Full description, with blanks for ordering, is sent out with notification of admission.

The required gymnasium outfit for men, consisting of special uniform of pants, sweatpants, and sweatshirt, is ordered on blanks sent with notification of admission. The approximate cost is \$4. Soccer shoes and other necessary articles may be secured after college opens.

LOAN FUND

Alumni and friends of the college have at various times made contributions to the Students' Loan Fund of Bridgewater, established for the purpose of extending aid to needy members of the Junior and Senior classes. This fund is administered by a faculty committee, appointed by the President.

RESIDENCE HALLS

All women students who do not live at home are required to live in the dormitories. Exceptions to this

rule may be made through the dean of women if a student wishes to live with relatives or to work for her room and board in some home approved by the college.

There are two residence halls for women on the campus. Woodward Hall has eighty-four double rooms and Tillinghast Hall has thirty-seven single rooms. The central dining room is located in Tillinghast Hall.

Each dormitory is heated by steam and lighted by electricity. In each there are attractive reception rooms as well as rooms set aside for general recreational purposes and for the enjoyment of the radio. Students are not allowed to use electric irons or cooking equipment in their rooms. Special rooms have been equipped for laundry and kitchenette purposes.

Rooms in these halls are supplied with furniture, including mattresses, pillows, and rugs. Students are required to bring a shoe bag or box, two clothes bags for laundry, a bath mat 36 inches by 24 inches, towels, window curtains, bureau covers, and bed covering for single beds. The bed covering should include a mattress cover or pad, four sheets, three pillow cases, a spread, a couch cover, and two couch pillows.

A reassignment of rooms is made at the end of each college year, preference in choice being given to those who have been longest in the college.

Candidates for admission who have applied for rooms in advance may select their rooms on the day preceding the opening of the college, after the initial payment of \$99 at the Business Office. The order of choice is determined by lot.

Rooms for men are arranged for in private homes near the campus. Assignments are made by the dean of men only, from an approved list.

CURRICULA

Elementary Teachers Course. This comprises four years of study, and is designed for students preparing to teach in the first six grades; the degree of Bachelor of Science in Education is awarded for the successful completion of this course.

The Kindergarten-Primary Course is a division of the Elementary Teachers Course, with special emphasis on preparation for teaching in primary grades.

Junior-Senior High School Teachers Course. A four-year course of study designed for students preparing to teach in the junior or senior high school, and leading to the degree of Bachelor of Science in Education.

Within the Junior-Senior High School curricula, students may choose a particular field for concentration, so that they may major in that subject or combination of subjects for which they plan to prepare themselves as teachers.

Thus, one may elect an English major for either Junior High or Senior High; a combination of English and Arts; English and Library; French and Related Subjects; Science and Mathematics; General Science; Social Studies; Geography; History.

Following are outlines of courses.

REQUIRED COURSES FOR ALL CURRICULA

Freshman Year	Cr.	Sophomore Year	Cr.	Junior Year	Cr.	Senior Year	Cr.
Psychology	3	Intr. to Educ.	3	Class. Tech.	2	Hist. & Phil.	4½
Eng. Comp.	6	Literature†	6	Applied Psy.	3	Tests & Meas.	3
Speech	1	Speech	1	Speech	1	J. H. Org. or El. Curr.	1½
History	6	Am. Hist. & Const.	6	Economics	2	Speech	1
Biology	4	Prin. of Geog.	6	Intr. to Soc.	2	Hlth. Educ.	1
Art	3	Phys. Science*	4	Phys. Educ.	1	Phys. Educ. Act.	1
Music	3	Phys. Educ.	1	Trg. School	4	Training	4
Phys. Educ.	1						
Handwriting	1						

REQUIRED COURSES FOR MAJORS

Elementary Curriculum

Elementary							
Literature	6	Lib. † subst	6	Reading	4	Geography	4½
Crafts	3			Geography	3	Choose one from #1	4½
Civic Biol. or Music	3			El. Sch. Sci.	3	Choose 4½ cred. from #2	4½
				Choose one from	4½		

English					
Literature	6	Creative Writ.	6	Composition	4½
				Literature	4½
				Free Elective	4½
				Composition	4½
				Literature	4½
				Free Elective	4½

English-Arts				Free Elective 1 1/2		Free Elective 1 1/2	
Literature	6	Crafts	3	Composition	4 1/2	Composition	4 1/2
		Music	3	Literature	4 1/2	Literature	4 1/2
				Choose two:		Choose two:	
				Art Appr.	3	Hist. of Art	3
				Crafts	3	Crafts	3
				Music	3	Mod. Design	3
						Music	3

English-Library							
Literature	6	Library	6	Composition	4½	Literature	4½
				Library	4½	Library	4½
				Free Elective	4½	Free Elective	4½

French and Related Subjects		Free Elective (100-1000) 4½		Free Elective (100-1000) 4½	
French 6	French 6	French 4½	French 4½	French Comp. 4½	French 4½
		French Comp. 4½	French 4½	Free Elective 4½	Free Elective 4½

Science-Mathematics				Free Elective (1943-44) 4½		Free Elective (1943-44) 4½	
Chem. or Phys. 6	Phys. or Chem.* subst... 6	Choose two:		Math-Phys. Sci. Seminar 1½			
Mathematics 6	Mathematics 6	Econ. Botony or		Choose three:			
(Art & Music exemption)		Genetics (alt.) 4½		Genetics or			
		Chemistry 6		Econ. Botony (alt.)... 4½			
		Mathemotomics 4½		Physics 4½			
		Physics 4½		Chemistry 4½			
		Free Elective 4½		Mathemotomics' 4½			
				Meteorology (1943-44) 3			

General Science							
Chem. or Phys.	6	Zoology	6	Econ. Botany or		Choose three:	
Mathematics	6	Phys. or Chem., ² subst.	6	Genetics (alt.)	4½	Genetics or	
(Art & Music				Chemistry	6	Econ. Botany (alt.)	4½
exemption)				Free Elective	4½	Chemistry	4½
						Physics	4½
						Geology	4½

Social Studies				Sociology			
Free Elective	6	Econ. Hist.	6	Europe & Asia	4½	Political Geog	4½
				History	4½	History	4½
				Free Elective	4½	Free Elective	4½

Geography															
Recommended:		Recommended:		Europe & Asia		4½		Political Geog		4½					
Literature		6		Econ. Hist. † subst		6		Meteorology		4½		Geology		4½	
				Physics * subst.		6		Free Elective		4½		Free Elective		4½	
				Free Elective		6									

Free Elective History									
History									
Free Elective	6	Econ. Hist.	6	History	4½	History	4½		
				Free Elective	4½	Political Geog.	4½		
				Amer. Gov't.	4½	Hist. Seminar	4½		

Junior High-Senior High Curriculum

FREE ELECTIVES

All Curricula

Literature	6	Composition	6	Composition*	4½	CompositionII	4½
French	6	Creative Writ. (prere-		Literature*	4½	LiteratureII	4½
Chemistry	6	quisite "B" in Fresh-		Librory	4½	Survey of American	
Physics	6	mon Comp. & Liter.).	6	French	4½	Literature	4½
Mathematics	6	Library	6	Spanish 1	4½	Rem. Reading§	4½
Crofts	6	French	6	Chemistry	6	Library§	4½
		Spanish	4	Econ. Botany or		Dromotization§	½ 4½
		Zoology	6	Genetics (olt.)	4½	French 4	4½
		Chemistry	6	Europe & Asia	4½	French 5	4½
		Physics	6	Meteorology	4½	Spanish 2	4½
		Mathematics	6	History*	4½	Chemistry	4½
		Music	3	Government	4½	Physics	4½
		Crofts	3	Mathematics	4½	Genetics or	
		Civic Biology	3	Art Appr.	3	Econ. Botany (olt.)	4½
		An elective may be sub-		Crofts	3	Political Geog.	4½
		stituted for required		Music	3	Geology	4½
		Literature if Liter was		Handwriting	¾	Meteorology	4½
		elected in Freshmon				HistoryII	4½
		Year.				Sociology	3
						Mathematics	4½
						Hist. of Art§	3
						Crofts§	3
						Mod. Design§	3
						Music§	3
						Handwriting§	¾

DESCRIPTION OF COURSES

The courses offered are listed in alphabetical order according to departments. The numbering of these courses accords strictly with the following plan:

1. Courses for Freshmen only are numbered from 1 to 19.
2. Courses for Sophomores only are numbered from 20 to 49.
3. Courses for Juniors only are numbered from 50 to 79.
4. Courses for Juniors and Seniors are numbered from 80 to 99.
5. Courses for Seniors only are numbered from 100 to 199.

The letters, R and E, used in the description of the courses, indicate the words "Required" and "Elective" respectively.

DEPARTMENT OF ART

Misses Dorothy D. Nutter, Mary M. Crowley

Art 1. R Introduction to Art

A course planned to arouse interest in the need for appreciation in contemporary Art activities; to give understanding of the use of Art in the student's personal, home, school, and civic activities; and to foster the student's creative ability.

Three periods weekly for one semester.

Three semester hours credit.

Art 3. E Crafts

Creative experimentation in a variety of mediums so that the student may gain understanding of their possibilities.

Three periods weekly for two semesters.

Six semester hours credit.

Art 21. R Elementary Crafts

Instruction in the fundamental craft processes valuable to the classroom teacher.

Two period weekly for two semesters.

Three semester hours credit.

Art 23. E Secondary Crafts

Similar to Art 21 R with emphasis on correlation with secondary subjects.

Two periods weekly for two semesters.

Three semester hours credit.

Art 25. E Art Work Shop

Course offered to those who wish to do creative work or to develop their individual abilities of mastering the techniques of drawing and painting. Trips to galleries and museums, outdoor sketching trips.

Two periods weekly for two semesters.

Three semester hours credit.

Art 51. E Appreciation of the Minor Arts and American Architecture

Groups of illustrated lectures by the teacher and students, followed by participation in solving art problems in the home, school and community.

Two periods weekly for one and one-half semesters.

Three semester hours credit.

Art 53. E Crafts

Work correlated with the social studies; practical stage craft including shadowgraph, puppets or marionettes, scenery designing and painting, masks, properties, etc.

Two periods weekly for one and one-half semesters.

Two and one-quarter semester hours credit.

Art 55. R Adaptation and Application

This course is given during the period of practice teaching under direct supervision in the Training School to acquaint the student with the ideals to be sought after and the resulting growth desired in the children of today and tomorrow.

Eight conference periods.

Credits are included with those of Education 57.

Art 101. E Advanced Crafts

Sculpture, metal work, weaving, pottery, leather work, and other crafts.

Three periods weekly for one and one-half semesters.

Three semester hours credit.

Art 103. E History of Art

Art History made vital by the study of comparison between the Art expressions of today and those of the past. Special emphasis is given to the social value of each cultural epoch from prehistoric ages to the present.

Two periods weekly for one and one-half semesters.

Three semester hours credit.

Art 105. E Modern Interior Design

Study in selection and arrangement of furnishings for home and school, particularly with relation to social and educational trends. This course offers practical experience in solving decoration problems, supplemented by trips to workshops, stores and model buildings.

Three periods weekly for one and one-half semesters.

Three semester hours credit.

DEPARTMENT OF EDUCATION

Misses Ruth E. Davis, Lois Decker, Evelyn R.

Lindquist, Iva V. Lutz, Mary L. Marks, Dorothy

D. Nutter, S. Elizabeth Pope, Frieda Rand

Mr. Brenelle Hunt

Education A College Orientation

The purposes of this course are: to help the student interpret his new environment; to aid him in making more efficient use of the tools and methods essential for study; to encourage the development of a personal and professional philosophy.

No credits are given in this course.

Education 1. R General Psychology

An introductory course to acquaint the beginning student with the value of psychological knowledge in relation to vital problems of everyday living through a study of (a) Psychology and People; (b) The Background of Behavior; (c) Psychological Problems of Society; (d) Observing, Learning, and Thinking.

Three hours weekly for one semester.

Three semester hours credit.

Education 21. R Introduction to Education

The purpose is to give an over-view of the field of education and the function of the teacher as an

integral part of the educative process.

Three periods weekly for one semester.

Three semester hours credit.

Education 51. R Applied Psychology

A study of those phases of Psychology which furnish the psychological basis for good general method, good specific technics, and the preservation of good mental health.

Three periods weekly for one semester.

Three semester hours credit.

Education 53. R Elementary School Problems

This course deals with modern trends in education; diagnosis and remedial work; types of school organization; unit teaching, and activity program; selection of material and methods; criteria for judging procedures and method.

Two periods weekly for one semester.

Two semester hours credit.

Education 55. R Classroom Technics for Junior High School

Major interest is directed toward the following: the curriculum; learning possibilities of the ability ranges; selection and arrangement of subject matter; modification of teaching procedures for varying abilities; study of the assignment, supervised study, problem solving, socialized recitation and classroom management.

Two periods weekly for one semester.

Two semester hours credit.

Education 57. R Supervised Student Teaching in the Training School

The Training School serves as a laboratory where students engage in the scientific study of children and of teaching and learning situations as they are encountered in a modern elementary school.

As the study progresses, students participate in problems of increasing difficulty to the point where they can undertake the duties of the room teacher.

Included in this course are several hours weekly devoted to group study of teaching problems.

Eight full academic school weeks.

Seven and one-half semester hours credit.

Education 59. R Kindergarten Theory and Methods

This course begins with the study of the origin, evolution, and growth of the kindergarten, including its aims, ideals, values, requirements; life and influence of Froebel, Pestalozzi, Montessori, and others; present status of the kindergarten in the United States; and influence upon the kindergarten of the changing conceptions of education.

A part of the course is devoted to the study of play materials for young children, traditional and modern; industrial arts and the methods of using materials; and a program for the well-rounded school life of the kindergarten child.

This course parallels practice teaching in kindergarten; thus time is spent in discussing actual class-

room situations as they arise during this training period. See Education 115.

Credits are included with those of Education 57.

Education 63. E The Teaching of Reading and the Language Arts

The purposes of this course are as follows: to acquaint students (1) with outstanding problems that arise in the teaching of reading in the elementary grades; and (2) with general and specific procedures in this field. The course also deals with the teaching of other language arts, in so far as they correlate with the teaching of reading.

The required work includes (1) observation and discussion of reading activities, (2) assigned readings in texts and manuals, comparing and evaluating material, (3) acquaintance with the practical use of texts and supplementary materials, and (4) examination and evaluation of modern procedures and texts in the field of language and spelling in the elementary grades.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

Education 102. R The Elementary Curriculum

A consideration of problems relating to the curriculum of the elementary school; the principles and process of making or revision; the procedure for setting up objectives, guiding principles, course of study units; and the contribution of research to the selection and arrangement of materials.

Three periods weekly for one-half semester.

One and one-half semester hours credit.

Education 103. R Junior High School Organization

A study of the function of the Junior High School in the modern educational system, its underlying philosophy, the organization of subject matter, the operation of the functions of exploration and guidance, and the making of the Junior High School program.

Four periods weekly for one-half semester.

One and one-half semester hours credit.

Education 105. R Educational Measurement

This introduces the senior to the use of standard tests for the measurement of mental maturity and educational progress, and to the statistical procedures necessary for the intelligent interpretation of test results and making helpful reports on measurement projects.

Three periods weekly for one semester.

Three semester hours credit.

Education 107. R History and Philosophy of Education

A survey of the historic foundations of modern education culminating in a study of personalities, problems, and policies in education today.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

Education 109. R Supervised Student Teaching in the Public Schools

This period provides opportunities in the public schools for continuous experience in all classroom activities under regular classroom conditions. Experience is gained in the study of individual differences, teaching techniques, and effective school management. Supervision is given by the classroom teacher and members of the college faculty.

Eight full academic school weeks.

Seven and one-half semester hours credit.

Education 111. E Special Problems in the Teaching of Reading

The membership of this course is limited to a designated number of students who wish to do extensive work in the field of reading. These students must be willing and able to give considerable outside time and self-directed effort to the problems involved. In admitting students to the course, the advisers give preference to those who have already shown, either in English or in Practice Teaching, an aptitude for this kind of work.

The course includes extensive readings and a definite program of remedial work with recommended children. Each student gives from two to four hours each week, during parts of the course, to such directed work.

Informal class and individual conference clarify and unify the work of the course.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

Education 113. E The Primary Curriculum

This course specializes in the following fields: (1) special techniques in the teaching of primary reading, especially in the first grades; (2) organization and administration of the child-centered primary room.

Three periods weekly for one semester.

Three semester hours credit.

Education 115. R Kindergarten Theory and Methods

This course is a continuation of Education 59.

Two periods weekly for one and one-half semesters.

Three semester hours credit.

DEPARTMENT OF ENGLISH

Misses M. Katharine Hill, Olive H. Lovett, Ruth I. Low

Mr. John L. Davoren, Dr. Clement C. Maxwell

English A—A purely remedial English course for those Freshmen whose scores in the Freshman Test indicate such a need.

No credits are given in this course.

English 1. R Freshman Composition

A thorough examination of the student's general ability in English; it provides language training in studying, writing, speaking, and thinking.

Three periods weekly for two semesters.

Six semester hours credit.



Study Hour



Tea Time



Eurhythmics



Senior Day

English 3. E The Study of Literary Types

This course gives a grounding in the accepted literary types, illustrating them with selections from the literature of the Western World.

Three periods weekly for two semesters.

Six semester hours credit.

English 5. R Speech

This is a platform course in those fundamentals of speech upon which depends the ability to communicate ideas effectively; that is, with clarity, courage, poise and resourcefulness in a formal speech situation.

One lecture period and one conference period weekly for one semester.

One semester hour credit.

English 21. E Advanced Composition

Here are included oral and written assignments, criticism and class discussions which supplement the text and class notes.

Three periods weekly for two semesters.

Six semester hours credit.

English 23. R Speech

This is a course in conversational speaking, giving opportunity for close contact, give and take, the development of spontaneity and effortlessness in a more or less informal speech situation.

One period weekly for one semester.

One semester hour credit.

English 25. R The Survey of English Literature

This course approaches English Literature through the study of historical and social backgrounds. The student supplements class lectures with reading and criticism.

Three periods weekly for two semesters.

Six semester hours credit.

English 27. E Creative Writing

This course attends to the practical and creative forms of prose and verse composition in accordance with the interests of the individual members of the class.

Prerequisite: An average of B in previous English courses.

Three periods weekly for two semesters.

Six semester hours credit.

English 51. R Public Speaking

Three types of speech are considered; impromptu, extemporaneous, memoriter; choric speaking is emphasized, and the fundamental speech processes are studied in all exercises.

Two periods weekly for one semester.

Two semester hours credit.

English 53. E Grammar and English Composition for Teaching in Junior High School

This course provides systematic instruction in the nature and use of the sentence and develops the power of the student to apply his knowledge in speaking, writing and thinking.

History of the English Language—The second part of the course covers the history of the English language, and provides a necessary background for an understanding of the nature of language, the place of English, and the historical development of the English language.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

English 55. E a 1. Victorian Poetry**2. Contemporary British and American Poetry**

The spiritual significance of nineteenth century poets, and the changed attitude of today's poetry in theme, form, and diction.

b 1. The Victorian Novel**2. The Contemporary Novel**

Cultivating an intelligent appreciation of the novelist's craft, good taste in the choice of fiction, and the habit of rapid reading.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

English 101. E Advanced English Composition

The course provides theory and practice in writing for school publications and provides the necessary background for teaching free and formal writing in secondary schools, together with a complete review of the fundamentals and mechanics of writing.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

English 103. E a. Ancient Classical and European Drama**b. Plays of Shakespeare****c. Contemporary European, British, and American Drama**

Plays of historic and intrinsic values reflecting national distinction and characteristics with opportunity for oral and written criticism expressing "the reaction of the literary material upon the reader's taste and susceptibility."

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

English 105. E Dramatics

This course includes (a) a study of the history and evolution of the drama; (b) the theory and practice of dramatics, with stress on the subjects of acting, lighting, and costuming.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

English 107. R Speech

a. Bible Reading for classroom and auditorium purposes.

b. Oral reading of poetry.

c. Group work in program building and presentation for educational purposes.

One period weekly for one semester.

One semester hour credit.

English 109. E American Literature

This course considers the national aspects, the special qualities, and the significance of American literature, prose, poetry, and drama. It follows the course of American writing from the early days of the Virginia and the Plymouth plantations to the present day.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

DEPARTMENT OF HANDWRITING

Mr. Charles E. Doner

Handwriting 1. R Preliminary Course

All Freshmen participate in this course until they attain both quality and speed in handwriting.

One period weekly for two semesters.

One semester hour credit.

Handwriting 21. R Preliminary Course

All Freshmen failing in the handwriting tests must participate in this course until they give evidence of satisfactory work, as explained under Handwriting 1.

One period weekly.

Handwriting 81. E Blackboard Writing

Since it is the duty of every teacher to write well on the blackboard, the aim of this course is to train students to write fluently, gracefully, and uniformly well on the board.

One period weekly for one and one-half semesters.

Three quarters semester hour credit.

Handwriting 101. E Old English Lettering

For students who wish to learn the fine art of neatness and elegance in lettering.

One period weekly for one and one-half semesters.

Three quarters semester hour credit.

DEPARTMENT OF LIBRARY SCIENCE

Miss Julia C. Carter

Library 21. E Children's Literature

The topics covered are: Illustrators of children's books; Mother Goose; first interests in reading; folk tales; children's poetry; modern writers of fairy tales, of folk tales; fiction for the elementary grades; books in special fields.

Three periods weekly for two semesters.

Six semester hours credit.

Library 51. E Books for the Junior High School Library

Reading interests of the upper elementary grades and of junior high school are considered.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

Library 53. E Use of the Library in the Secondary School, Part I

This course aims (1) to give a knowledge of reference books, the catalog, the classification, and other aids to the effective use of school and public libraries, so that students will be prepared to teach a library unit as part of an English course and to guide pupils in their use of library resources; (2) to give a knowledge of books that meet the reading interests of junior high school boys and girls, so that the students will be prepared to direct pupils' reading and to inspire more and better reading.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

Library 101. E School Library Techniques

This course deals with organization, equipment, book selection and administration of a school library.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

Library 103. E Use of the Library in the Secondary School, Part II

This course, which is a continuation of the special library course offered in the junior year, is open to the students who have taken that course. Emphasis is placed on school library administration in order to prepare students who have taken this course and the junior special library course for assisting in a school or public library and for teaching a library unit in connection with English courses.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

DEPARTMENT OF MATHEMATICS

Messrs. George H. Durgin, Frederick L. Wood

Mathematics 1. R and E College Algebra and Trigonometry

Three periods weekly for two semesters.

Six semester hours credit.

Mathematics 21. E Analytic Geometry, Graphical Analysis and Elementary Calculus

Three periods weekly for two semesters.

Six semester hours credit.

Mathematics 51. E Differential and Integral Calculus

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

Mathematics 101. E Advanced Calculus Including Differential Equations

Three periods weekly for one semester.

Three semester hours credit.

Mathematics 103. E Teaching Secondary School Mathematics

This course includes methods of teaching selected topics, the curriculum, objectives to be attained, and the place and use of tests.

Prerequisites: Mathematics 1; 21; 51; 101.

Three periods weekly for one-half semester.

One and one-half semester hours credit.

DEPARTMENT OF MODERN LANGUAGES

Miss Edith H. Brodford

French

Courses are elective and open to those who have studied three years of High School French or its equivalent; in special cases, two years. Teaching candidates in this field should elect all courses. These are planned to offer cultural background to students majoring in English, Social and Physical Sciences, as well. Courses are progressively conducted in French. French 1 and 21 form a cultural unit.

French 1. E Introduction to the Advanced Study of French

Rapid reading ability is developed in the study of a few basic literary forms; vocabulary building; functional grammar review; aural-oral practice; principles of pronunciation; general background of French civilization and culture.

Three periods weekly for two semesters.

Six semester hours credit.

French 21. E Survey of French Literature from the Beginnings Through Contemporary Works

Reading of classics and study of the historical and social development of French literature; grammar review; conversation, diction.

Open also to qualified students who did not elect French 1.

Three periods weekly for two semesters.

Six semester hours credit.

French 51. E Literary Masterpieces in French Literature

Intensive study of outstanding works; appreciation of French literary values; systematic review of grammar principles and development of skill in oral and written expression.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

French 101A. E Methods of Teaching Modern Foreign Languages

Place in the curriculum, aims and objectives, course content, representative courses of study, tests, texts, realia, preparation of the teacher, analysis and demonstration of methods, lesson planning, units, activities, etc.

Open also to qualified majors in English.

Three periods weekly for one semester.

Three semester hours credit.

French 101B. E Stylistics

Scientific influences of the Latin language and French artistic contributions; practice in writing idiomatic French and acquiring a finer feeling for French style and a sense for shades of expression; letter-writing.

Three periods weekly for one-half semester.

One and one-half semester hours credit.

French 103. E Aural-Oral French

This course aims at preparing the student for the enjoyment of broadcasts, films, lectures, and operas through ear-training, recognition of sounds in isolation and in combination, dictation, phonetics, learning of songs, poems, and prose selections, conversation and attendance at lectures and plays.

Open to qualified students in any year.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

Spanish

Spanish 1. E Elementary Spanish

Rapid reading of graded texts. Vocabulary building. Functional grammar. Aural-oral practice. Realia, and reports on, Spanish speaking peoples. Language as an instrument in fostering better understandings.

Three periods weekly for two semesters.

Six semester hours credit.

Spanish 21. E Intermediate Spanish

Reading of texts of intermediate difficulty, grammar review, conversation, vocabulary building for practical needs, letter-writing.

Three periods weekly for two semesters.

Six semester hours credit.

DEPARTMENT OF MUSIC

Miss Frieda Rand

Music 1. R Elementary Theory

The content of this course is theoretical subject matter of moderate difficulty, with its application in singing, conducting, and written work.

Three periods weekly for one semester.

Three semester hours credit.

Music 21. E Music Appreciation

The aim of this course is to develop the ability to listen to music with pleasure and intelligent discrimination in order to discover mood, rhythm, melody, harmony, counterpoint, style and form, and to study the great composers from Bach to Stravinsky, with emphasis on the nationality of the composer, his place in music, and his best compositions.

Two periods weekly for two semesters.

Four semester hours credit.

Music 53. R Music Conference on Practice Teaching

A general class conference for discussion of problems common to all, for the demonstration of lessons which have been especially successful, and for constructive criticism.

Eight Conference periods.

Credits are included with those of Education 57.

Music 81. E Elementary Harmony

The content of this course consists of a review of music theory and a study of the principal triads and the dominant seventh chord with their inversions. Emphasis is placed on ear training and creative writing.

Two periods weekly for one and one-half semesters.
Three semester hours credit.

Music 83. E History and Appreciation of Music

This course consists of a detailed study of music history in order to gain an understanding of the historical background of great musical masterpieces. Periods of music from primitive to modern are studied.

Two periods weekly for one and one-half semesters.
Three semester hours credit.

DEPARTMENT OF PHYSICAL EDUCATION
FOR WOMEN

Misses Lois L. Decker, Mary Isabel Caldwell

Physical Education 1. R Personal Hygiene

A study of the fundamental habits of healthy living, with an analysis of the anatomical, physiological, and psychological factors underlying the health laws and of the personal and social implications of the health program.

One period weekly for two semesters.

Credits are included with Physical Education 3.

Physical Education 3. R Activities

An introduction to: field ball, soccer, speedball, and volleyball, badminton, stunts and tumbling, rhythmic and the modern dance. Body mechanics and conditioning activities in accordance with individual needs as revealed by health examination, tests and health history.

Two periods weekly for two semesters.

One semester hour credit for Physical Education 1 and 3.

Physical Education 21. R Activities

An introduction to: hockey, basketball, softball and folk dancing for adults. Continued experience in volleyball and badminton and further work in conditioning activities as needed.

Two periods weekly for two semesters.

One semester hour credit for Physical Education 21 and 23.

Physical Education 23A. R Leadership in Physical Education

Experience in the teaching and directing of a variety of physical education and related activities, such as games and sports, dancing, social recreation, marching and gymnastics.

One period weekly for one semester.

Credits are included with Physical Education 21.

Physical Education 23B. R First Aid

The Red Cross Standard First Aid Course, with emphasis on the responsibility of the teacher and the recreation leader.

The Red Cross Standard Certificate is given to those who successfully complete this course.

One period weekly for one semester.

Credits are included with Physical Education 21.

Physical Education 51. R Activities

A choice of archery or tennis; indoor games for small groups; advanced dancing; an introduction to

military marching and continued work on conditioning activities as needed.

Two periods weekly for one and one-half semesters.
One semester hour credit.

Physical Education 101. R Principles of Health and Physical Education

A survey of the health and physical education program of the public school with emphasis upon:

1. the health programs of childhood and youth.

2. an interpretation of the health service program with special study of these aspects which by Massachusetts law are the specific responsibility of classroom teachers.

3. the problems of teaching health.

4. the purposes and philosophy underlying the physical education program, with studies of adequate programs.

5. the effects of physical activity upon children and young adults, the dangers of over- and under-exertion, the particular needs of girls, and the organization of activities to produce desirable results.

Lectures by various experts from allied fields, demonstrations of procedures, and possible field trips are included.

One period weekly for one and one-half semesters.

One semester hour credit.

Physical Education 103. R Activities

Continued experience in all activities selected as far as possible in accordance with individual interests and needs.

Two periods weekly for one and one-half semesters.

One semester hour credit.

DEPARTMENT OF PHYSICAL EDUCATION
FOR MEN

Mr. Frederick A. Meier, Jr.

The purpose of this department is twofold:

1. Personal—to provide an intelligent understanding of, and practice in, correct health habits; to develop ideals of sportsmanship, team-work, and leadership.

2. Professional—to train students adequately in methods of teaching games, sports, gymnastics, and in coaching; to develop skills in the individual sports and in group games.

Physical Education 1. R First Aid and Hygiene

A study of methods in applying First Aid to the injured, as outlined by the American Red Cross; and applied study of the functions and care of the vital system of the human body.

One period weekly for two semesters.

Credits are included with Physical Education 3.

Physical Education 3. R Activities

A laboratory course taken in conjunction with Physical Education 1.

Two periods weekly for two semesters.

One semester hour credit for Physical Education 1 and 3.

Physical Education 21. R. School Health Administration

Practical procedures in the organization of school health programs.

One period weekly for one and one-half semesters.

Credits are included with Physical Education 23.

Physical Education 23. R. Activities

A laboratory course taken in conjunction with Physical Education 21.

Two periods weekly for two semesters.

One semester hour credit for Physical Education 21 and 23.

Physical Education 51. R. Athletics in Education

This course considers the place of varsity and intramural athletics in the secondary school program.

One period weekly for one and one-half semesters.

One semester hour credit.

Physical Education 101. E. Organization Procedures in Athletics

An insight into organization and coaching procedures in the secondary school.

Two periods weekly for one and one-half semesters.

Two semester hours credit.

DEPARTMENTS OF SOCIAL SCIENCE

Economics

Dr. Joseph I. Arnold, Mr. Frederick L. Wood

Economics 21. E. Economic History

Chief emphasis is placed on recent developments. The relation of economic institutions to, and their effect on, political and social institutions are explored.

Three periods weekly for two semesters.

Six semester hours credit.

Economics 51. R. Principles of Economics

In this course the chief emphasis is placed on problems rather than on economic history or theory.

Two periods weekly for one semester.

Two semester hours credit.

Geography

Messrs. Paul Huffington, Balfour S. Tyndall

Geography 21A. R. Fundamentals of Geography

In this course the student learns the principles of geography and applies them to a study of Economic Geography.

Three periods weekly for one semester.

Three semester hours credit.

Geography 21B. R. Geography of North America

A regional study of the continent of North America.

Three periods weekly for one semester.

Three semester hours credit.

Geography 51. E. Regional Geography

In this course the environmental background of current social, economic and political problems of selected regions from Europe and Asia is studied.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

Geography 53. E (R-Elementary) Regional Geography of Europe

A course designed to treat the Regional Geography of Europe for those majoring in the Curriculum for Teaching in the Elementary School.

Three periods weekly for one semester.

Three semester hours credit.

Geography 55. E. Climatology

This course develops the principles of meteorology and deals with their application to a study of the climatic regions of the world.

Three periods weekly for one semester.

Three semester hours credit.

Geography 103. E. South America

The geography of South America is studied from a regional point of view.

Three periods weekly for one-half semester.

One and one-half semester hours credit.

Geography 105. E. Political Geography

A study of the effects of geographic factors upon the political problems of selected nations.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

Geography 107. E. Regional Geography (Elementary Division)

Regional geography of selected world regions. Emphasis is placed on Latin America.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

Government

Dr. Joseph I. Arnold

Government 51. E. American Government and Politics

The nature and activity of the national, state, and local governments and the forces which play upon them.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

History

Dr. Joseph I. Arnold

Charles E. Foth

History 1. R. History of Civilization

A survey of the more meaningful features of human culture from primitive times to the present.

Three periods weekly for two semesters.

Six semester hours credit.

History 21. R. American History and Constitutions

This course includes a survey of American history and the study of the constitution of the United States and the Constitution of the Commonwealth of Massachusetts.

Three periods weekly for two semesters.

Six semester hours credit.

History 53. E Modern European History

A history of Europe from 1500 to 1815. A beginning is made with history methods.

Prerequisite: An average of B in History 21.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

History 105. E Modern European History with Methods

European History from 1815 to the present. Same attention is given to methods.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

History 107. E Seminar in Teaching American History in the Senior High School

A review of American History is made as each student works out a teaching plan suitable for use in the senior high school.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

Sociology

Dr. Joseph I. Arnold, Dr. Clement C. Maxwell

Sociology 51. R

This course attempts to orient the student culturally toward the nature and subject matter of Sociology. Its brevity makes it an introduction to the vast and expanding field of Sociology and Social Service.

Two periods weekly for one semester.

Two semester hours credit.

Sociology 101. E Advanced Sociology

The first half of the course includes social problems; the second half a study of social progress and social reform.

Two periods weekly for one and one-half semesters.

Three semester hours credit.

DEPARTMENT OF NATURAL SCIENCE**Biology**

Miss E. Irene Graves

Messrs. T. Leonard Kelly, Frederick A. Meier, Jr.,

Louis C. Stearns

Biology 1. R General Biology

This is a fundamental core course in which the basic principles of general biological science are developed and applied for personal and professional use.

Two lecture periods, one laboratory period weekly, for two semesters.

Four semester hours credit.

Biology 21. E Zoölogy

This course presents a comprehensive review of animal biology.

Two lecture periods, and one double laboratory period weekly, for two semesters.

Six semester hours credit.

Biology 23. E Civic Biology and Gardening

The first half of this course deals with the study

and solution of the many problems of living things about us; the second half supplies the background and knowledge needed by a teacher to pursue successfully all types of garden work at school and at home.

One lecture period, one laboratory period weekly, for two semesters.

Three semester hours credit.

Biology 51. E Botany

This course presents a survey of the fundamental facts and principles of plant life, together with their economic importance to man.

Two lecture periods, and one double laboratory period weekly, for one and one-half semesters.

Four and one-half semester hours credit.

Biology 101

The first semester deals with Genetics; the third quarter of the course deals with Bacteriology.

Two lecture periods, and one double laboratory period weekly, for one and one-half semesters.

Four and one-half semester hours credit.

Chemistry

Messrs. T. Leonard Kelly, Frederick A. Meier, Jr.

Chemistry 1. E General Chemistry

This course covers theory and practice of College Chemistry including the metals and their importance in peace and war.

Two lecture periods, one laboratory period weekly, for two semesters.

Six semester hours credit.

Chemistry 51. E Qualitative Analysis

This is a course in which semi-micro procedures are used to teach chemical equilibrium and the physical chemistry of solution. The discipline of science is imposed by analytical methods used in determining the presence and extent of certain ions.

One lecture period, two laboratory periods weekly, for one and one-half semesters.

Four and one-half semester hours credit.

Chemistry 101. E An Introduction to Organic Chemistry

An introduction to the theory and preparation of organic types.

Two lecture periods, one laboratory period weekly, for one and one-half semesters.

Four and one-half semester hours credit.

Geology

Mr. Paul Huffman

Geology 101. E Historical Geology

This course deals with the evolution of the earth and the development of its plants and animals. It should be taken by those students who wish to teach Geography.

Two lecture periods weekly for one and one-half semesters.

Three semester hours credit.



Tillinahast Hall



College Quadrangle and Woodward Dormitory

PHYSICS

Messrs. T. Leonard Kelly, Balfour S. Tyndall

Physics 21. R Physical Science

A lecture and demonstration survey course accenting the cultural and practical aspects of modern science.

Three periods weekly for two semesters.

Four semester hours credit.

Physics 23. E General Physics

Phenomena in the fields of mechanics, heat, and electricity are studied from three points of view: their occurrence in everyday life, their development in theory, and their practical uses in the home and industry.

Two lecture periods, one laboratory period weekly, for two semesters.

Six semester hours credit.

Physics 101. E Advanced Physics

The relationships of energy and matter are dis-

cussed and interpreted on the basis of present day discoveries. Special consideration is given to the phenomena of light.

Prerequisite: special permission of the instructor for those not majoring in science.

Two lecture periods, one laboratory period weekly, for one and one-half semesters.

Four and one-half semester hours credit.

Mathematics-Physical Science Seminar 103. E

Students majoring in mathematics or the physical sciences meet with the instructors of those subjects in a weekly discussion. The group co-operates individually and as a whole in reporting new and unusual developments in the fields of mathematics and science.

Prerequisite: Full-time students in mathematics and/or physical science.

One meeting a week for one and one-half semesters.

One and one-half credits.

THE GRADUATE SCHOOL

(Graduate Committee: President John J. Kelly, Dr. Joseph I. Arnold, Dr. Clement C. Maxwell)

In the Fall of 1937, by virtue of the power vested in it by the General Court of the Commonwealth, the State Department of Education established at the College a graduate school of education, with a full-time curriculum leading to the degree of Master of Education. It has been the plan of the Graduate Committee to restrict the number of accepted candidates each year to a maximum of fifteen. Selection is based upon the position attained by the candidate during his senior year at college, together with an unqualified letter of recommendation from the dean of the college, indicating ability to pursue successfully work in the graduate field.

Requirements for Admission

A college or university graduate will be admitted to tentative standing as a candidate for the degree of Master of Education upon presentation of a scholarship record of undergraduate work, indicating that the applicant ranked in the first half of his or her class in college. Admission for the Master's degree will depend upon the quality of the work done by the candidate.

Requirements for Degree

To qualify for the degree, each candidate shall complete thirty semester hours of graduate study, including the preparation of a thesis upon some approved subject in the field of Education.

Two curricula have been established here at Bridgewater, so that the individual needs of the liberal arts college graduate and those of the teachers college graduate may be fully met.

For the liberal arts college graduate the thirty semester hours are distributed as follows:

Education —26 semester hours	
General Methods and Observation	4
Advanced Educational Psychology	4
Philosophy of Education	2
Research	2
On-Campus Practice Teaching*	4
Off-Campus Practice Teaching*	4
Thesis and Conferences	6

Elective Field 4

It requires one and one-quarter years to complete the above.

For the teachers college graduate, the thirty semester hours are distributed as follows:

Education —14 semester hours	
Problems of Administration	2
Advanced Educational Psychology	4
Research	2
Thesis and Conferences	6

Elective Fields 16

It requires one year to complete the above.

Approved work for the Master's degree shall be at least of B grade.

Work for the Master's degree may be pursued in residence or through extension courses. The requirements must be met within a period of six years.

Not more than four semester hours of extension work a semester, not eight semester hours of summer, may be offered for credit.

A candidate may offer not more than eight semester hours of work completed under accredited auspices other than the Massachusetts Department of Education.

General

The present offerings at Bridgewater are in the fields of Education, English, and Social Studies.

The college reserves the right to withdraw any extension course with an enrolment of less than ten

*Teachers in service who are pursuing extension courses for the Master's degree will substitute for practice teaching eight additional hours in elective fields.

