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Bridgewater State Teachers College

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The Commonwealth of Massachusetts

STATE TEACHERS COLLEGE
at
BRIDGEWATER



One-hundred second year

1942-43



Boyden Hall, State Teachers College, Bridgewater

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, kitchens, 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 can be found elsewhere in this bulletin; they 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 where he may get 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

Camera Club

Garden Club

Hobby Club

French Club

Science Club

Topics of the Day Club

Kindergarten-Primary Club

Library 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.

FACULTY

The Teachers College

John J. Kelly	<i>President</i>
Charles E. Doner	<i>Handwriting</i>
Brenelle Hunt	<i>Psychology</i>
Frieda Rand, B.A.,	<i>Music; Glee Club; Orchestra</i>
Louis C. Stearns	<i>Gardening; Greenhouse</i>
S. Elizabeth Pope, M.A.,	<i>Dean of Women</i>
	<i>Introduction to Education</i>
Edith H. Bradford, M.A.,	<i>Modern Languages</i>
M. Katharine Hill, B.L.I.,	<i>Literature; Speech</i>
Joseph I. Arnold, M.A., Ph. D.,	<i>History; Sociology; Economics</i>
Julia C. Carter, B.A.,	<i>Library</i>
Ruth E. Davis, M.A.,	<i>Director of Training</i>
Olive H. Lovett, Ed.M.,	<i>English</i>
Lois L. Decker, M.A.,	<i>Physical Education</i>
*George H. Durgin, Ed.M.,	<i>Mathematics; Economics</i>
Paul Huffington, A.M.,	<i>Geography</i>
Mary V. Smith, Ed.M.,	<i>History</i>
Mary Isabel Caldwell, M.A.,	<i>Physical Education</i>
E. Irene Graves, M. A.,	<i>Biological Science</i>
Iva V. Lutz, M.A.,	<i>Education</i>
Balfour S. Tyndall, Ed.M.,	<i>Science; Geography</i>
Ruth I. Low	<i>English; Dramatic Club</i>
*Frederick A. Meier, Jr., M.S.,	<i>Physical Education; Biology; Chemistry</i>
John L. Davoren, M.Ed.,	<i>English</i>
Clement C. Maxwell, M.A., Ph.D.,	<i>Head of English Department</i>
Marie P. Mahoney, M. A.,	<i>History; Government</i>
Dorothy D. Nutter, M.A.	<i>Art</i>
Mary M. Crowley, M.S.,	<i>Art</i>
Mary M. Triggs, B.S.,	<i>Assistant Librarian</i>
Frederick L. Wood, M.S.,	<i>Mathematics; Economics</i>
T. Leonard Kelly, M.S., M.A.,	<i>Science</i>

The Training School

KATHERINE PACKARD GRANT, M.A.,	<i>Principal</i>
NEVA I. LOCKWOOD, B.S.,	<i>Grade Six</i>
EVELYN R. LINDQUIST, B.S. in Ed.,	<i>Grade Six</i>
LOUISE H. BORCHERS, M.A.,	<i>Grades Four and Five</i>
A. MABELLE WARNER	<i>Grade Five</i>
HELEN E. SLEEPER	<i>Grade Four</i>
CHARLOTTE H. THOMPSON, B.S.,	<i>Grade Three</i>
GLADYS L. ALLEN	<i>Grade Two</i>
GERTRUDE M. ROGERS, M.S.,	<i>Grade One</i>
GRACE E. SMITH	<i>Grade One</i>
MARY L. MARKS	<i>Kindergarten</i>
GRACE E. RIDDELL, B.S. in Ed.,	<i>Grades Two and Three</i>

Administration

BERNICE H. GEYER	<i>Principal Clerk</i>
DORIS I. ANDERSON	<i>Secretary</i>
KATHLEEN M. GEBAR	<i>Clerk</i>
EDNA M. MULLEN, B.A.,	<i>Head Matron and Dietitian</i>
JEAN C. HAGGART, R.N.,	<i>Resident Nurse</i>
THOMAS E. ANNIS	<i>Chief Engineer</i>
RALPH G. NELSON	<i>Head Custodian</i>

*on leave of absence, military service.

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 \$300, payable promptly as follows, the first payment to be made before a room is assigned.

At the opening of the college year					
in September	.	.	.	.	\$90.
December 1	.	.	.	.	70.
February 1	.	.	.	.	70.
April 1	.	.	.	.	70.

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

Laundry work to the value of 50 cents a week is allowed on the regular price list; any excess of this amount is an extra charge.

A special laundry identification system is used, at a small initial expense (not exceeding one dollar) to each student.

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 \$7.00 for women undergraduates and \$10.00 for undergraduate men. Graduate students are assessed \$4.00.

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 radios, electric irons, or cooking equipment in their rooms.* Special rooms have been equipped to be used for laundry and kitchenette purposes.

Rooms in these halls are supplied with furniture, including mattresses, pillows, and rugs. Students are required to bring a napkin ring, 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 \$90 at the Business Office. The order of choice is determined by lot.

Rooms for men are arranged for in private houses 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.

V-1—UNITED STATES NAVAL RESERVE AND UNITED STATES ARMY AIR FORCE ENLISTED RESERVE. A course designed by the United States government with the cooperation of the State Department of Education and the president of the college to prepare young men for the commission of ensign in the United States Navy and second lieutenant in the United States Army Air Force respectively. Young men desiring further information regarding this program should communicate with the secretary of the college.

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 Library; History and English; French and Related Subjects; General Science; Science and Mathematics; Social Studies.

Following are outlines of courses.

Elementary Teachers Course

FRESHMAN YEAR:	<i>Semester Hours</i>
General Psychology	3
Biological Science	4
English Composition	6
Literature	6
World History	6
Speech	1
Art	3
Music	3
Physical Education (activities and hygiene)	1
Handwriting	1
College Orientation	—
	<hr/> 34
SOPHOMORE YEAR:	
Introduction to Education	3
Speech	1
Physical Science	4
Library	6
Advanced United States History	3
American Constitutional Government	3
Principles of Geography	6
Handicrafts	3
Physical Education	1
Elective	3
	<hr/> 33
JUNIOR YEAR:	
Elementary School Problems	2
Applied Psychology	3
Speech	1
Reading in the Elementary School	4
Economic Principles and Problems	2
Introductory Sociology	2

Geography	3
Elementary School Science	3
Physical Education	1½
Training School	7½
Elective	3
	<hr/>
	32

SENIOR YEAR:

History and Philosophy of Education	4½
Tests and Measurements	3
The Elementary Curriculum	1½
Health Education	1½
Speech	1
Training—Public Schools	7½
Elective	13
	<hr/>
	32

Junior-Senior High School Teachers Course

FRESHMAN YEAR:

Semester Hours

General Psychology	3
Biological Science	4
English Composition	6
World History	6
Speech	1
Art	3
Music	3
Handwriting	1
Physical Education (activities and hygiene)	1
Elective	6
	<hr/>
	34

SOPHOMORE YEAR:

Introduction to Education	3
Speech	1
Physical Science	4
Literature	6
History and Government	6
Principles of Geography	6
Physical Education	1
Elective	6
	<hr/>
	33

JUNIOR YEAR:

Classroom Technics	2
Applied Psychology	3
Speech	1
Economic Principles and Problems	2
Introductory Sociology	2
Physical Education	1½
Training School	7½
Elective	13
	<hr/>
	32

SENIOR YEAR:

History and Philosophy of Education . . .	4½
Tests and Measurements	3
Junior High School Organization	1½
Health Education	1½
Speech	1
Training—Public Schools	7½
Elective	13
	<hr/>
	32

Military Program

FIRST YEAR

	<i>Credit</i>	<i>Class Hours</i>
REQUIRED:		
English 1 (comp.)	6	3
English 5 (speech)	1	1
Physical Ed. 1 & 3	1½	4
Physics 23	6	4
Mathematics 1	6	3
	<hr/>	<hr/>
	20½	15
ELECTIVE: (Two)		
Art & Music 1	6	3
Biology 1	4	3
History 3	6	3
English 3	6	3
	<hr/>	<hr/>
	10 or 12	6
		21 total

SECOND YEAR

REQUIRED:		
History 21 & 23	6	3
Geography 21	6	3
English 23 (speech)	1	1
Physical Ed. 21 & 23	1½	4
Physics 101	6	4
	<hr/>	<hr/>
	20½	15
ELECTIVE: (Two)		
English 25 (lit.)	6	3
Biology 21 (zoology)	6	5
Chemistry 21	6	4
Mathematics 21	6	3
French 21	6	3
English 21 (comp.)	6	3
	<hr/>	<hr/>
	12	6, 7, or 8
	32½	21 23 total

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.*
6. Courses for Graduate students only are numbered from 200 to 299.
7. Courses for Graduate Seminar and Research are numbered from 300 to 400.

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

*These Senior courses (100 to 199) may be used for Graduate credit in a minors program, provided that more than one-half the credits required for the minor in question be taken in strictly Graduate courses. In these courses a more extensive reading program is required for Graduate students, together with a more extensive program of original work.

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 fundamental craft processes in order that the students may be better able to appreciate and evaluate their own creative efforts, children's work, and products of this machine age.

Two periods 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 51 E APPRECIATION OF THE MINOR ARTS AND AMERICAN ARCHITECTURE

Groups of illustrated lectures by the teacher and students, followed by participation in solving personal and group problems.

Two periods weekly for one and one-half semesters.

Three semester hours credit.

ART 53 E CRAFTS

Blocks of wood 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.

ART 101 E ADVANCED CRAFTS

Sculpture, metal work, weaving, pottery, leather work, etc.

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.

Department of Education

MISSES RUTH E. DAVIS, IVA V. LUTZ, MARY L. MARKS,
LOIS DECKER, S. ELIZABETH POPE, KATHERINE
PACKARD, FRIEDA RAND, DOROTHY NUTTER.

MR. BRENELLE HUNT

EDUCATION A—COLLEGE ORIENTATION

The purpose of this course is 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 classroom situations as they arise during this training period. See Education 115.

Credits are included with those of Education 57.

EDUCATION 53 E THE TEACHING OF READING AND THE LANGUAGE ARTS

The purposes of this course are as follows: to acquaint students (1) with the most 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, where 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.

Three 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.

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 conferences 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.

EDUCATION 201 R ADVANCED PSYCHOLOGY

Because of the widely varying undergraduate preparation of the students who enroll for the master's degree, the advanced course has been so adjusted as to supplement most effectively what has already been achieved in this field. The course has been so organized that educational measurement will constitute the major content. Combined with this will be those factors in psychology applied to basic method, diagnostic and remedial technics, as will lead to the best possible integration of psychology and method as a basis for future educational efficiency.

Two to three hours weekly for one and one-half semesters.

Four semester hours credit.

EDUCATION 203 R PRINCIPLES AND PRACTICES IN SECONDARY EDUCATION

This course attempts to develop an understanding of recent trends in principles and practices of secondary education, and to evaluate these in terms of the educational objectives of a democratic society.

Two to three hours weekly for one and one-half semesters.

Four semester hours credit.

EDUCATION 205 R PHILOSOPHY OF EDUCATION

A consideration of such problems as the meaning of education, educational aims, education and democracy, the nature of thinking, the nature of method.

Two periods weekly for one semester.

Two semester hours credit.

EDUCATION 301 R METHODOLOGY OF EDUCATIONAL RESEARCH

This course presents methods of educational research in preparation for the writing of a thesis.

Two periods weekly for one semester.

Two semester hours credit.

EDUCATION 303 R THESIS AND CONFERENCES

Six semester hours credit.

EDUCATION 306 R SUPERVISED PRACTICE TEACHING IN THE PUBLIC SCHOOLS

An opportunity for the concrete contacts and experiences that vitalize the theory and the principles of the courses in Education. Conferences, Discussion, Reports.

Eight full academic school weeks.

Four 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.

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 informal 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 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, or four periods weekly for one-half 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 and the place of English and 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 57 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 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.

ENGLISH 201 E ENGLISH COMPOSITION FOR TEACHERS

This course reviews the subject matter of junior and senior high school English composition and gives a modern background of theory and information necessary for teaching the subject in junior and senior high schools.

Two to three periods weekly for one and one-half semesters.

Four semester hours credit.

ENGLISH 203 E WORLD LITERATURE

A survey of the great periods of literary growth and development in the countries of the western world. The members of the course read widely in the classics of each period and present semester papers in keeping with the graduate nature of the course.

Two to three hours weekly for one and one-half semesters.

Four semester hours credit.

ENGLISH 205 E THE NOVEL IN ENGLISH

This course reviews the history of the novel in English from its genesis to the achievements of Galsworthy, Bennett and others of the twentieth century. The growth and progress of the novel, the introduction of different types, the advance in technique, its position in English Literature: These and kindred points are studied.

Frequent outside reading and critical reports.

Two to three periods weekly for one and one-half semesters.

Four 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.

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

MISSES JULIA C. CARTER, MARY M. TRIGGS

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

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 3 AND 23 R REVIEW OF MATHEMATICS FOR ARMY AND NAVY REQUIREMENTS

Brief review of algebra, logarithms, plane geometry; plane trigonometry; spherical trigonometry.
Three periods weekly for one-half semester.
One and one-half semester hours credit.

MATHEMATICS 21 E ANALYTIC GEOMETRY AND GRAPHICAL ANALYSIS

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. BRADFORD

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; aural-oral practice; every-day subjects; brief functional grammar review; principles of pronunciation; words in common usage; 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

A study of the historical and social development of French literature; grammar review; 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; the ideal of man; systematic review of grammar principles and development of skill in written expression.

Three periods weekly for one and one-half semesters.

Four and one-half semester hours credit.

FRENCH 101A E PROBLEMS AND METHODS FOR TEACHING MODERN FOREIGN LANGUAGES

Place in the curriculum, aims and objectives, course content, representative courses of study, tests, texts, realia, 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, operas. It deals

with ear-training: recognition of sounds in isolation and in combination; songs, poems, prose selections, etc.; dictation.

Open to qualified students in any year.

Three periods weekly for two semesters.

Six semester hours credit.

Spanish

SPANISH 1 E ELEMENTARY SPANISH

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

Three periods weekly for two semesters.

Six semester hours credit.

German

GERMAN 1 E ELEMENTARY GERMAN

Rapid reading of graded texts. Vocabulary building. Functional grammar. Principles of pronunciation.

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.

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

MISSSES LOIS L. DECKER, MARY ISABEL CALDWELL

PHYSICAL EDUCATION 1 R PERSONAL HEALTH

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 seasonal activities such as field ball, soccer, softball, and tennis; basketball, volley ball, indoor baseball and dancing. Conditioning or corrective exercises in accordance with individual needs as revealed by the health examination, x-rays, tests, and the health history.

Two periods weekly for two semesters.

One semester hour credit for 1 and 3.

PHYSICAL EDUCATION 21 R ACTIVITIES

A choice of tennis, hockey, or archery. Fundamental activities for children (games, stunts, and rhythmic activities), methods in posture improvements, and practice in leadership of activities. A continuation, for those who need individual help, of the conditioning or corrective exercises begun in the first year.

Two periods weekly for two semesters.

One semester hour credit.

PHYSICAL EDUCATION 51 E ACTIVITIES

A continuation of previous courses giving opportunity for improvement in seasonal activities such as hockey, speedball, tennis, or archery. Advanced folk or modern dances, activities for adult social recreation, with practice in directing these activities in large groups. A continuation, for those who need individual help, of conditioning and corrective exercises.

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 problems of childhood and youth.
2. an interpretation of the health service program with special study of those 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 clinical procedures, and possible field trips are included.

Two periods weekly for one semester.

Two semester hours 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 those of 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 those of 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 and one-half semester hours credit.

PHYSICAL EDUCATION 101 E ORGANIZATION PROCEDURES IN ATHLETICS

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

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

Two and one-fourth semester hours credit.

The required gymnasium outfit for men, consisting of special uniform of pants, sweatpants, and sweatshirts, is ordered on blanks sent with notification of admission. The approximate cost is \$4.00. Soccer shoes and other necessary articles may be secured after college opens.

Departments of Social Science

Economics

DR. JOSEPH I. ARNOLD, MR. FREDERICK L. WOOD

ECONOMICS 51 R PRINCIPLES OF ECONOMICS

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

Two lecture periods weekly for one semester.

Two semester hours credit.

ECONOMICS 201 E CONTEMPORARY ECONOMIC PROBLEMS

This course comprehends a wide range of problems from the fields of consumption, production and distribution.

Two to three periods weekly for one and one-half semesters.

Four semester hours credit.

Geography

MESSRS. PAUL HUFFINGTON, BALFOUR S. TYNDALL

GEOGRAPHY 21 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 two semesters.

Six 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.

Open to Graduate students by special arrangement.

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 101 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 AMERICAN HISTORY AND ITS GEOGRAPHIC CONDITIONS

The purpose of this course is to develop relationships between leading events from American History and the geographic environment in which they occurred.

Three periods weekly for one semester.

Three 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.

GEOGRAPHY 201 E POLITICAL GEOGRAPHY

This course studies the environmental background of the present political problems of the world powers.

Two to three periods weekly for one and one-half semesters.

Four semester hours credit.

History

MISSSES MARIE P. MAHONEY, MARY V. SMITH

DR. JOSEPH I. ARNOLD

HISTORY 1 R ANCIENT AND MEDIEVAL HISTORY

A history of Europe from earliest times to about 1500.

Three periods weekly for two semesters.

Six semester hours credit.

HISTORY 21 R AMERICAN HISTORY AND GOVERNMENT

This course includes a survey of American history with special emphasis on the United States government both state and federal.

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

A continuation of History 51, though that course is not a prerequisite. European History from 1815 to the present.

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

HISTORY 201 E CONTEMPORARY HISTORY

This course begins with the first World War and comes up to the present day. Some methods are introduced.

Two to three periods weekly for one and one-half semesters.

Four 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, and the second half discusses and studies social progress.

Two periods weekly for one and one-half semesters.

Three semester hours credit.

Department of Natural Science

Biology

MISS E. IRENE GRAVES

MESSRS. 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 ZOOLOGY

This course presents a comprehensive review of animal biology.

Two lecture periods, and one three-hour 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.

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

Four and one-half semester hours credit.

BIOLOGY 101 E ADVANCED BIOLOGY

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

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

Four and one-half semester hours credit.

Geology

MR. PAUL HUFFINGTON

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.

Physics

MESSRS. T. LEONARD KELLY, BALFOUR S. TYNDALL

PHYSICS 21 R* PHYSICAL SCIENCE

This course presents the theory of teaching science and combines with this presentation a cultural course in the subject matter of physical 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 discussed 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.

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.

*Required, except that students who elected Chemistry in their Freshman year should substitute Physics.

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

This group may not be completed in less than one and one-quarter years.

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

This group may not be completed in less than one year.

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, nor eight semester hours a 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 fifteen.

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

