1962

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Bridgewater State College

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STATE COLLEGE
AT
BRIDGEWATER,
MASSACHUSETTS

SUPPLEMENT
1962 - 1964

The Commonwealth of Massachusetts
The Commonwealth of Massachusetts
Department of Education

STATE COLLEGE
at
BRIDGEWATER

FOUNDED IN 1840

ACCREDITED BY
National Council for Accreditation of Teacher Education

MEMBER OF
New England Association of Colleges and Secondary Schools
BOARD OF EDUCATION
Department of Education, 200 Newbury Street, Boston, Massachusetts

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BEATRICE I. BOUCHARD, M.A., M.S., Associate Professor
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RALPH S. BATES, A.M., Ph.D., Professor
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STANLEY L. CLEMENT, M.A., Ed.D., Professor
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ROBERT A. COLER, M.A., Ph.D., Instructor
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ALEX CORRIERE, A.M., Ph.D., Assistant Professor
ORVILLE DALTON, M.S., Instructor
ROBERT A. DANIEL, M.A., Ed.D., Assistant Professor
JOHN L. DAVOREN, M. Ed., Associate Professor
JOSEPH DeROCCO, M.A., Assistant Professor
V. JAMES DiNARDO, Ed. M., Ed. D., Associate Professor
Gerald J. DOIRON, M.A., Instructor
PHILIP R. DOOLEY, Ed. M., Assistant Professor
GEORGE H. DURGIN, Ed. M., Associate Professor
DOROTHY R. FERRY, M.Mus. Ed., Instructor
JORDAN D. FIORE, A.M., Ph. D., Professor
CHARLES E. FOTH, M.A., Associate Professor
IRA E. FURLONG, M.A., Ph.D., Assistant Professor
JOAN M. GABRIEL, M. Ed., Instructor
VINCENT A. GANNON, A.M., Instructor
MARY L. GLOSTER, M.S. in L.S., Instructor
MARY JANE GORTON, M. Ed., Instructor
GEORGE W. GREEN, A.M., Ph.D., Professor
FRANCES GUERIN, M.A., Associate Professor
LEE F. HARRINGTON, M. Ed., Associate Professor
Marilyn Ann HAYDEN, M.A., Instructor
MARJORIE E. HAYWARD, M. Ed., Assistant Professor

Physical Sciences
Speech
Speech
History
Library Science
Biology, Director of Admissions
German
Physical Education
Art
English
English
Biology
Education, Department Chairman
French, Department Chairman
Physical Sciences
Art
History
Biology
Education
Associate Director of Apprentice Teaching
History
Mathematics, Department Chairman
Music
History
Physical Sciences
Earth Sciences
Education, Assistant Dean of Women
English
Library Science
Art
English
Mathematics, Dean of Studies and Registrar
Earth Sciences
Music

[5]
JANE HERRICK, M.A., Ph.D., Associate Professor  
FRANK J. HILFERTY, Ph.D., Professor  
ELIZABETH HOLLIS, M.A., Associate Professor  
KENNETH J. HOWE, M.S., Ph.D., Professor  
PAUL HUFFINGTON, A.M., Professor  
STEPHANIE O. HUSEK, Ph.D., Professor  
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ROGER E. KASPERSON, M.A., Instructor  
GEORGE T. KELLEY, M.A., Instructor  
T. LEONARD KELLY, M.S., M.A., Professor  
SHIRLEY M. KOLACK, A.M., Assistant Professor  
OLIVE LEE, B.S. in L.S., Instructor  
HARRY A. LEHMANN, M. Ed., Associate Professor  
EVELYN R. LINDQUIST, M. Ed., Associate Professor  
KATHERINE F. LOMAX, M.A., Assistant Professor  
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AGRIPPINA A. MACEWICZ, A.M., Assistant Professor  
HENRY M MAILLOUX, M.A., Assistant Professor  
WALTER L. MAYO, M. Mus. Ed., Assistant Professor  
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ANNABELLE M. MELVILLE, Ph.D., Professor  
LAWRENCE B. MISH, A.M., Ph.D., Assistant Professor  
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PHYLIS MORRIS, Ed. M., Instructor  
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HENRY ROSEN, A.M., Ed.D., Professor  
ROBERT RUCKER, A.M., Associate Professor  
SEYMOUR SCHWARTZ, M.A., Instructor  
ELLEN M. SHEA, Ed. M., Ph.D., Professor  
SAMUEL N. SHEINFELD, Ed. M., A.M., Ed.D., Professor  
MARGARET B. SOUZA, M.S., Instructor  
BENJAMIN A. SPENCE, M.A., Instructor  
ANN L. STEIMEN, Ed.M., Instructor  

History,  
Biology,  
Department Chairman  
Education  
SPience,  
Department Chairman  
Biology  
Education  
duction,  
Department Chairman  
Earth Sciences  
Supervisor  
History  
Department Chairman  
Economics,  
Department Chairman  
Physical Sciences  
Department Chairman  
Sociology  
Library Science  
Physical Education,  
Department Chairman  
Education  
English  
Education  
Earth Sciences  
Mathematics, Dean of Men  
Music,  
Department Chairman  
Education  
History  
Biolog  
Physical Education,  
Department Chairman  
Biology  
Physical Education  
Education  
Economics  
Sociology,  
Department Chairman  
Physical Sciences  
Physical Education  
Speech,  
Department Chairman  
Audio-Visual Aids,  
Department Chairman  
Earth Sciences  
Speech  
Education, Dean of Women  
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Physical Education
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BALFOUR S. TYNDALL, Ed. M., Commonwealth Associate Professor . . Education, Director of Apprentice Training

CORA M. VINING, B.L.S., A.M., Assistant Professor . . Library Science
WILLIAM J. WALL, JR., M.S., Ph.D., Professor . . Biology
MILDRED WELLMAN, M.S., Instructor . . Physical Education
GEORGE A. WEYGAND, M. Ed., Ed. D., Assistant Professor Physical Sciences
FREDERICK L. WOOD, M.S., Instructor . . Mathematics

### MARTHA M. BURNELL SCHOOL

DORIS M. SPRAGUE, M.Ed., ASSOCIATE PROFESSOR, PRINCIPAL

<table>
<thead>
<tr>
<th>Name</th>
<th>Title/License</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>JANET CHURBUCK, M. Ed.</td>
<td>Instructor</td>
<td>Two</td>
</tr>
<tr>
<td>MARY C. DOYLE, M. Ed.</td>
<td>Instructor</td>
<td>Four</td>
</tr>
<tr>
<td>RUTH GAMSON, M. Ed.</td>
<td>Assistant Professor</td>
<td>One</td>
</tr>
<tr>
<td>ELOIS GODFREY, M. Ed.</td>
<td>Instructor</td>
<td>Three</td>
</tr>
<tr>
<td>ELIZABETH M. HIGGINS, Ed. M.</td>
<td>Instructor</td>
<td>Three</td>
</tr>
<tr>
<td>HELEN M. HULSMAN, Ed. M.</td>
<td>Assistant Professor</td>
<td>Four</td>
</tr>
<tr>
<td>MARY L. MARKS, Instructor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RICHARD M. MENICE, Ed. M.</td>
<td>Instructor</td>
<td>Four</td>
</tr>
<tr>
<td>MARION NELSON, M. Ed.</td>
<td>Instructor</td>
<td>One</td>
</tr>
<tr>
<td>BARBARA F. POE'SEPP, M. Ed.</td>
<td>Assistant Professor</td>
<td>Three</td>
</tr>
<tr>
<td>ELLEN RUCKER, M. Ed.</td>
<td>Instructor</td>
<td>One</td>
</tr>
<tr>
<td>RUTH TILTON, M. Ed.</td>
<td>Instructor</td>
<td>Two</td>
</tr>
<tr>
<td>DOROTHY E. WOOD, M. Ed.</td>
<td>Assistant Professor</td>
<td>Two</td>
</tr>
</tbody>
</table>

[7]
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 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, 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 authority to grant the degree now considered essential to graduates.

In 1960 an act of the General Court empowered the Board of Education to change the names of the State Teachers Colleges to State Colleges as another step in the expansion of their programs. On September 1, 1960, the official name of the school was changed to the State College at Bridgewater.

The State College at Bridgewater is modern in building and equipment. On its campus are Boyd Hall which contains classrooms, laboratories, locker and rest rooms for commuting students, the Horace Mann Auditorium, and administration offices; the new college library well suited to meeting the needs of a growing student body and a growing faculty; Tillinghast Hall, with dining hall, large and small reception rooms, kitchen, and dormitory rooms for women students and employees and alumni offices; Woodward Hall, the largest of the dormitories, with reception rooms, kitchenette, and recreation rooms; a third dormitory for women and a new dormitory for men opened in the academic year 1960-61; Burnell School, an elementary school under state control, where members of the junior class spend their first period of practice working under critic teachers; the Library, 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 grounds. On lower campus stand the new gymnasium and swimming pool, completely modern and functional, to serve well the members of the student
body and to help promote the development of the whole man—"mens sana in corpore sano."

Bridgewater is so near Boston that students share the cultural advantages of that city. Every year large groups visit the Flower Show, the Aboretum, the museums, operas, theatres, 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. 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 idle. . . . A teacher must educate himself. This institution will assist him."

The "Bridgewater spirit" has been a reality for more than a hundred and twenty years. It is a great heritage still carrying inspiration to Bridgewater students.
THE BRIDGEWATER PURPOSE

The Bridgewater of today might amaze Mann, Tillinghast, and Conant who wrought in a generation that built its schools of spirit and zeal, with just a few boards and a little plaster added for good measure. They would find no change, however, in the essence of the Bridgewater purpose and the Bridgewater meaning. Our task is not the creation of great halls and buildings, necessary though they be, but rather it is to fan into an all consuming flame the spark hit off from the genius and wisdom of our founding fathers.

Naturally we are far more interested in the young men and women who come to us seeking education than we are in the physical properties of the College. Buildings, equipment, and conveniences serve only as they help achieve our objective—the development of the whole man.

With Van Dyke we think that education should create men who can see clearly, image vividly, think steadily, and will nobly. Thus our students are taught in class and on campus the values that constitute the good man, the good citizen, the good teacher, the teacher who enters his profession with a deeply serious sense of dedication and a full, rich appreciation of the good and the true.

The Bridgewater ideal permeates all curricula: the cultural studies and the professional courses, the spirit breathed into its simple beginning by men who encouraged learning not as an end but as a means, the spirit that makes for unselfish service, minstering to others.

The faculty tries diligently to discharge its duties as a shaper of the student mind and heart, as a molder of the teaching attitude. In the years since Mann’s day more than ten thousand alumni have carried Alma Mater’s good word to the corners of the earth, adhering loyally to the Bridgewater way and the Bridgewater spirit.

In these words of the late Calvin Coolidge the reader will find a distillation of the objectives and goals which our founders and their successors have made a part of the college fabric:

"The defenses of the Commonwealth are not material but spiritual. Her fortifications, her castles are her institutions of learning. Those who are admitted to our schools tread the ramparts of our state. The classic halls are the armories from which are furnished forth the knights in armor to defend and support our liberty. For such high purpose have our schools been called into being. A firm foundation of the Commonwealth. A defender of righteousness. Let their towers continue to rise, showing forth the way, the truth, and the light."

[10]
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 experiences valuable when he assumes responsibility as a teacher in the activities program of his school.

Alpha—Yearbook
Association for Childhood Education
Audio-Visual Education Club
Biology Club
Campus Comment
Canterbury Club
Christian Fellowship
Debate Club
Dormitory Council
Drama Club
French Club
Garden Club
Glee Club
Heodotus Club
Kappa Delta Pi (Honor Society in Education)
Menorah Club
Men’s Athletic Association
Men’s Club
Modern Dance Club
Newman Club
Organ Club
Physical Education Majors Club
Red Cross Club
The Student Cooperative Association
Upper Elementary Club
Wesley Club
Women’s Day Student Organization
Women’s Recreation Association
I. General Qualifications

Every candidate for admission as a regular student must meet the following requirements:

   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 in this regard.

2. High School Graduation
   Candidate must have a high school diploma or equivalent preparation

3. Completion of Sixteen Units of High School Work.
   The "HIGH SCHOOL RECORD" must show the completion of sixteen units accepted by the high school in fulfillment of graduation requirements or the candidate must present evidence of equivalent preparation.

   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 Interview.
   A satisfactory personal interview of each candidate by faculty members of the college is required.

5. Personal Characteristics.
   The results of the personal interview and the moral character of the candidate must in the judgment of the President of the State College at Bridgewater warrant the admission of the candidate. The recommendation of the high school principal will be given consideration in determining the fitness of the candidate for the profession of teaching.

6. Successful completion of the College Entrance Examination Board Scholastic Aptitude Tests and Successful completion of the English Achievement Test and two other Achievement Tests.
II. Submission of "Application for Admission" and "High School Record."

Every candidate for admission to the State College at Bridgewater is required to submit to the College:

1. A completed form entitled "APPLICATION FOR ADMISSION TO A STATE COLLEGE". This application may be submitted on or after October 1 of the senior year.

2. Through the high school principal, his high school record on a form entitled "HIGH SCHOOL RECORD" which includes "RATINGS OF PERSONAL CHARACTERISTICS."

These forms may be obtained from the high school or college and should include at least one marking period or one quarter.

III. Times of Admission

1. Plan I applicants (see IV. A below) may file applications and may be admitted at the end of the first quarter or first marking period of the senior year provided that they have successfully completed the College Entrance Board Scholastic Aptitude Tests and/or other examinations prescribed by the Board of Education.

2. Plan II applicants (see IV. B below) may be considered for admission on the basis of marks submitted through the first quarter or first marking period of the senior year provided that they have successfully completed the College Entrance Examination Board Scholastic Aptitude Tests and/or three achievement tests prescribed by the Board of Education.

IV. Methods of Admission

A. Plan I.

Admission by academic evaluation is granted to candidates as follows: On the basis of A=4, B=3, C=2, D=1, candidates who have an average of not less than 3.0 in the highest 16 units of high school work will be admitted provided they have successfully completed the College Entrance Examination Board Scholastic Aptitude Tests and/or other tests prescribed by the Department of Education.

Prescribed—These 16 units must include the following 3 units.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English (including Grade XII)</td>
<td>4</td>
</tr>
<tr>
<td>American History and Government</td>
<td>1 unit*</td>
</tr>
<tr>
<td>Algebra</td>
<td>1 unit*</td>
</tr>
<tr>
<td>Geometry</td>
<td>1 unit*</td>
</tr>
<tr>
<td>Biology, or Physics, or Chemistry</td>
<td>1 unit</td>
</tr>
</tbody>
</table>

NOTE:

Applicants for the Bachelor of Arts Program must also meet the following Additional Requirement:

Foreign Language 2 Units In Language
Distribution of units for Applicants Admitted by Evaluation.

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, 4 units;
- Social Studies, 4 units;
- Science, 4 units;
- Foreign Languages, 7 units (no credit accepted for less than 2 units of any one language**;
- Mathematics, 4 units;
- and Physical Education, 1 unit.

B. Plan II.

Students who are not eligible for admission by academic evaluation as described in the foregoing, but who possess a high school diploma or its equivalent, are interested in teaching, and qualify under General Qualifications stated under I, may be admitted to Bridgewater on successful completion of the College Entrance Examination Board Scholastic Aptitude Tests and three achievement tests prescribed by the Department of Education provided they present high school credits in the following subjects:

- English through Grade XII 4 units
- American History 1 unit
- Mathematics 2 units
- Science 1 unit

The standing of the applicant will be determined by the examination scores and the prescribed high school credits.

NOTE:

Applicants for the Bachelor of Arts Program must also meet the following Additional Requirement:

- Foreign Languages 2 units in Language

V. Waiting Lists

If the number of applicants qualified for admission, following the administration of any of the entrance examinations, exceeds the number that the facilities of the College will accommodate, a waiting list will be established. The position of a candidate on the waiting list will be determined as follows:

A. Plan I candidates:

The position of the candidate will be determined according to the numerical evaluation as described under IV. A.

B. Plan II candidates:

The position of the candidate will be determined according to the numerical grade including an evaluation of the prescribed high school credits and the entrance examination score.
The eight prescribed high school credits will be evaluated as follows:

\[
\begin{align*}
A &= 4 \\
B &= 3 \\
C &= 2 \\
D &= 1
\end{align*}
\]

Vacancies occurring between examinations will be filled from the established list. Waiting list will be merged; i.e., a new waiting list will be published after each regular administration of the College Entrance Examination Board Scholastic Aptitude Tests and the Achievement Tests.

VI. Date and Place of Examinations.

Applicants for admission will be required to take the College Entrance Examination Board Scholastic Aptitude Tests and three Achievement Tests. These tests will be given May 19, August 8, and December 1. The 1963 dates offer the Aptitude and Achievement Tests on January 12, March 2, May 18, and August 14, at convenient locations throughout the state. Information about other test centers should be obtained from college admission officers, high school guidance counselors, or from Educational Testing Service, Princeton, New Jersey.

VII. Admission as Advanced Students.

Students who have attended or are graduates of normal schools or colleges may be admitted as regular or advanced students under conditions approved by the Department. All inquiries should be addressed to the Director of Admissions at the college.

**COLLEGE YEAR BEGINS**

September 16, 1963

September 14, 1964

**LENGTH OF COURSES AND DEGREES**

All undergraduate curricula offered are four years in length and lead to the Bachelor’s Degree. The degree of Bachelor of Science in Education is awarded for the four-year program.

Beginning with the entering freshman class in September 1962 programs leading to a Bachelor of Arts Degree will be offered. These new programs will offer a variety of subject-matter as listed below.

The degree of Master of Education is awarded at the State College, at Bridgewater, including the Hyannis Summer Session.

**PROGRAMS**

1. Elementary Grades and Kindergarten-Primary
   
   B. S. in Education
2. Secondary School
   B. S. in Education or A. B. with minor in education

3. Health and Physical Education
   Prepares women teachers and supervisors of health and physical education for elementary and secondary schools.

4. Bachelor of Arts
   Major Fields:
   Biological Sciences
   Chemical Physics
   Earth Sciences
   English
   French
   History and Political Sciences
   Mathematics

5. Graduate Work
   The degree of Master of Education is awarded at Bridgewater, including the Hyannis Summer Session.

**REQUIREMENTS FOR PROMOTION AND GRADUATION**

1. A system of quality points is in force in all the State Colleges and the Massachusetts College of Art. Under this system grades will be given the following values: A = 4 to 5, B = 3 to 3.9, C = 2 to 2.9, D = 1.0 to 1.9, E = 0.

2. The number of quality points a student receives in a course is determined by multiplying the total number of semester hours in the course by the corresponding number of quality points, e.g. a six-semester-hour course with a rating of "4" has a value of 24 quality points. The average is computed by dividing the total number of quality points by the total number of semester hours.

3. The average of the grades required for the promotion or graduation is 2.0 Students with an average less than 2.0 must withdraw from the college unless permission to repeat the year is given by the Director of the State Colleges on the recommendation of the President for such reasons as illness, home difficulties or similar circumstances.

   Students with an average of less than 1.5 at the end of any semester may be dropped from the College. They may be permitted to re-enter with permission of the Director of State Colleges on the recommendation of the President, for such reasons as illness, home difficulties, and similar circumstances.

4. Incomplete grades must be made up within eight weeks after the opening of the following semester. (No course may be marked
“incomplete” unless 30 percent of the work has been done at the time of discontinuance.)

5. The determination of quality points is made at the end of each college year and, excepting when the year is repeated, the number of points is not affected by grades in courses subsequently taken and passed.

6. “E” grades can never be removed, but the subjects in which they have been received must be repeated and passed, or in the case of electives, other approved courses must be passed either in approved summer sessions, or when possible, during the regular college year. Continuing subjects in which “E” grades have been received, must be successfully repeated before the student may take advanced work.

7. The grade for a repeated or alternate course will be recorded in the college records as follows: “Repeated” or alternate course passed at .......... with a grade of .........

(Name)  (College)

EXPENSES

The following summary indicates as nearly as possible the regular expenses for which each student must plan in an annual budget:

I. Fees for Residents of Massachusetts.

1. $200.00 a year payable in two installments at the beginning of each semester.
2. $7.00 a semester hour—Courses for part-time day students.
3. $18.00 a semester hour—Extension and Summer courses.
4. $11.00 a semester hour—Auditor in Extension and Summer Course.

II. Fees for Non-Residents of Massachusetts.

1. $600.00 a year payable in two installments at the beginning of each semester.
2. $21.00 a semester hour—Courses for part-time day students.
3. $25.00 a semester hour—Extension and Summer courses.
4. $11.00 a semester hour—Auditor in Extension and Summer courses.

III. Registration Fee.

Each applicant for admission to a Massachusetts State College or the Massachusetts College of Art must pay a registration fee of $20.00 following notification of acceptance of Admission. This fee will be deducted from the tuition of students who attend and will be forfeited by those who do not attend. Refunds for students leaving
the college six weeks after the beginning of the semester will be based on the regularly-established schedule of refunds, minus the registration fee. This regulation became effective for students entering on or after September 1, 1955.

IV. Textbooks and Supplies.

Students are expected to purchase all necessary textbooks and supplies, at an approximate expense of $100.00 a year.

V. Board and Room.

Each applicant for a dormitory reservation must pay a dormitory deposit of $25.00 following notification of admission to a dormitory. This deposit will be deducted from the total dormitory fee of students who attend. It will be forfeited by those who do not attend.

Rates for board and room are established by the State Department of Education. The present annual rate is $480.00 payable as follows:

<table>
<thead>
<tr>
<th>Dormitory Deposit</th>
<th>$25.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening of School, September</td>
<td>$95.00</td>
</tr>
<tr>
<td>Beginning of Second Quarter</td>
<td>$120.00</td>
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<td>Beginning of Third Quarter</td>
<td>$120.00</td>
</tr>
<tr>
<td>Beginning of Fourth Quarter</td>
<td>$120.00</td>
</tr>
</tbody>
</table>

All payments must be made in advance without the presentation of bills. These regulations are subject to change by the Board of Education.

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, presently $35.00, is now mandatory.

The required gymnasium outfit for women in the regular curricula consisting of special uniform and shower equipment costs approximately $25.00. Full description with blanks for ordering will be sent out with notification of admission.

The required physical education outfit for men includes a jersey, gym shorts, sweat pants, sweat shirt, athletic supporter, gym socks, shower clogs and towels, the approximate cost of which is $15.00. All men entering as freshmen or transfer students will be informed as to the procedure of providing information on sizes to the dealer furnishing the uniforms.

LOANS

Alumni and friends of the college have at various times made contributions to the Students' Loan Fund at 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.

Students in the Sophomore, Junior and Senior classes may apply for loans to aid them in the payment of their college expenses at the office of the Massachusetts Higher Education Assistance Corporation, Statler Building, Boston, Mass.

Students in the Freshman class may apply at their high school or at the business office of this college for information in regard to scholarships from the Massachusetts Scholarship Foundation, Incorporated, 1746 Cambridge Street, Cambridge 38, Mass.

Under the National Defense Student Loan Program any Bridgewater student may apply for a loan under Public Law 85-864. The terms of this loan will be explained at the college business office.

RESIDENCE HALLS

All women 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 a home approved by the college.

There are three residence halls for women on campus. Woodward Hall has ninety double rooms and Tillinghast Hall has seventy single rooms. The central dining room is located in Tillinghast Hall. A third residence hall for women with accommodations for 110 students was added to the campus complex in 1961.

These dormitories are modern in appointments and facilities. In each there are attractive reception rooms as well as rooms set aside for general recreational purposes and for the enjoyment of radio and television. Students are not allowed to use electric irons or cooking equipment in their rooms; special rooms have been equipped for laundry and kitchenette purposes.

A new dormitory for men was opened for occupancy in February 1960. Modern in every respect, it has facilities for 118 male students.

Rooms in these halls are supplied with furniture including mattresses and pillows. Students are required to bring rugs, a shoe bag or box, two clothes bags for laundry, a bath mat, towels, window curtains, bureau covers, and bed covering for single beds. The bed covering should include a mattress pad, four sheets, three pillow cases, and a spread. Extra furnishings may be brought from home.

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.

CURRICULA

Elementary Education. This program is designed for students preparing to teach in the first six grades and in kindergarten; the
degree of Bachelor of Science in Education is awarded at the successful completion of this curriculum.

Secondary Education. (1) This is a program of study intended for students preparing to teach in the Secondary schools of the Commonwealth and leading to the degree of Bachelor of Science in Education. (2) This second curriculum offering the degree of Bachelor of Arts with a minor in education is designed for students who wish to pursue a liberal arts curriculum in preparation for a teaching career.

In either of these two latter curricula, the student may choose a particular field of concentration, majoring in any one of the following areas: Biological Sciences, Earth Sciences, English, French, History, and Mathematics. Additionally, those students pursuing the Bachelor of Arts curriculum may major in Chemical Physics.

Health and Physical Education Major Curriculum for Women. This curriculum prepares teachers and supervisors of physical education for Elementary and Secondary Schools and leads to the degree of Bachelor of Science in Education.
COURSES

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

1. Courses for Freshmen only are numbered from 100 to 180.
2. Courses for Freshmen and Sophomores are numbered from 181 to 199.
3. Courses for Sophomores only are numbered from 200 to 280.
4. Courses for Sophomores and Juniors are numbered from 281 to 299.
5. Courses for Juniors only are numbered from 300 to 380.
6. Courses for Juniors and Seniors are numbered from 381 to 399.
7. Courses for Seniors only are numbered from 400 to 480.
8. Course numbers ending in "0" indicate one semester courses which are offered either semester.
9. Course numbers ending in an odd digit indicate either first semester offerings or full year courses.
10. Course numbers ending in even digits indicate second semester offerings only.

ART

Doris E. Tebbetts, Chairman, Assistant Professor; Margaret C. Cassidy, Assistant Professor; Robert A. Daniel, Assistant Professor.

The primary purpose of the department in planning the courses offered is to provide all students with the insights and knowledge needed for understanding: (1) the important role of the visual arts in any culture; (2) how the individual artist is involved in the process of creation; (3) the various media and techniques used by the artist; and (4) esthetic criteria evolved from developing standards of taste.

For students majoring in elementary education, courses in the various craft processes, experimentation with art materials, and methods used in elementary teaching are required.

ART 0101. Introduction to Art.
Two periods weekly for one semester. Two additional periods weekly required for assigned studio experimentation or reading.
2 semester hours credit.

ART 0103. Introduction to Art.
Three periods weekly for one semester. Two additional periods weekly required for assigned studio experimentation.
3 semester hours credit.
ART 0111. Art in Physical Education.
Two periods weekly for one semester. Two additional periods of studio work required.
1 semester hours credit.

ART 213. Elementary Crafts.
Two periods weekly for two semesters. Two additional periods of studio work required.
2 semester hours credit.

ART 0381. Advanced Crafts.
Two periods weekly for two semesters. Two additional periods of studio work required.
2 semester hours credit.

ART 383. Painting.
Two periods weekly for one and one-half semesters. An additional two hours of studio practice required.
2 semester hours credit.

ART 0385. Interior Design.
Three periods weekly for one semester.
3 semester hours credit.

ART 390. History of Art.
Two periods weekly for one and one-half semesters.
3 semester hours credit.

AUDIO-VISUAL AIDS

Henry Rosen, Professor, Chairman.

The Audio-Visual Department at Bridgewater has several purposes. The main purpose is to train teachers in the use of new methods, materials and equipment to enhance and to improve teaching. The second is to provide a center and clearing house for information concerning new teaching techniques, new materials and new equipment, not only for teacher trainees, but also for all educational institutions desiring this information. The Audio-Visual Department makes available to the members of the Faculty, to the students, to administrators, and to school systems all films, filmstrips and recordings available at the Audio-Visual Center.

One lecture period and a 2-hour laboratory period per week for one semester.
2 semester hours credit.

(Elective for Seniors).
One lecture period and a 2-hour laboratory period per week for one semester.
2 semester hours credit.

AUDIO-VISUAL 0421. Advanced Audio-Visual Education.
Three periods weekly for one semester.
3 semester hours credit.

BIOLOGICAL SCIENCES

Frank J. Hilferty, Chairman, Professor; William J. Wall, Jr., Professor; Elizabeth M. Cirino, Professor; Kenneth J. Howe, Professor; Lawrence B. Mish, Associate Professor; James R. Brennan, Assistant Professor; Robert A. Coler, Instructor; Walter A. Morin, Instructor.

The Department of Biological Sciences endeavors to maintain a broad, integrated coverage of biology as a whole. This program is designed to prepare students for teaching, research, and graduate work.

Students have the opportunity to study living organisms and life processes under both laboratory and natural conditions.

BIOLOGY 0101. General Botany.
Two lecture periods and one 2-hour laboratory period weekly for one semester.
3 semester hours credit.

BIOLOGY 0111. General Zoology.
Two lecture periods and one 2-hour laboratory period weekly for one semester.
3 semester hours credit.

BIOLOGY 282. Invertebrate Zoology.
Two lecture periods and one 2-hour laboratory period weekly for one semester.
3 semester hours credit.

BIOLOGY 291. Plant Anatomy.
Two lecture periods and one 2-hour laboratory period weekly for one semester.
3 semester hours credit.

BIOLOGY 383. Comparative Anatomy.
Two lecture periods and one 2-hour laboratory period weekly for one semester.
3 semester hours credit.
BIOLOGY 384. Animal Physiology.
Two lecture periods and one 2-hour laboratory period weekly for one semester.
3 semester hours credit.

Three lecture periods weekly for one semester.
3 semester hours credit.

BIOLOGY 391. Plant Taxonomy.
Two lecture periods and one 2-hour laboratory period for two quarters.
3 semester hours credit.

BIOLOGY 392. Problems in Biology.
Credits and hours to be arranged.

BIOLOGY 393. Genetics.
Two lecture periods and one 2-hour laboratory period weekly for one semester.
3 semester hours credit.

BIOLOGY 394. Plant Physiology.
Two lecture periods and one 2-hour laboratory period weekly for one semester.
3 semester hours credit.

BIOLOGY 395. Microbiology.
Two lecture periods and one 2-hour laboratory period weekly for one semester.
3 semester hours credit.

BIOLOGY 401. Seminar in Biology.
One period biweekly for two semesters.
0 semester hours credit.

Two lecture periods and one 2-hour laboratory period for two quarters.
3 semester hours credit.

BIOLOGY 422. Radiation Biology.
Two lecture periods and one 2-hour laboratory period for two quarters.
3 semester hours credit.

BIOLOGY 427. Cytology.
Two lecture periods and one 2-hour laboratory period for two quarters.
3 semester hours credit.
EARTH SCIENCES

Paul Huffington, Chairman, Professor; Agrippina Macewicz, Assistant Professor; Robert W. Rucker, Associate Professor; Ira Furlong, Assistant Professor; Marilyn Hayden, Instructor; Roger Kasperson, Instructor.

The department offerings have been oriented to: (1) acquaint the student with many aspects of the earth science world; (2) provide adequate preparation for students planning to teach earth science and geography in secondary schools; and (3) and to give an enriched program in this field for those training to teach in elementary schools.

EARTH SCIENCE 181. Physical Geography.
Two lecture periods and one 2-hour laboratory period weekly for two semesters.
6 semester hours credit.

EARTH SCIENCE 191. Physical Geology.
Two lecture periods and one 2-hour laboratory period weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 192. Historical Geology.
Two lecture periods and one 2-hour laboratory period weekly for one semester.
3 semester hours credit.

Two lecture periods and one 2-hour laboratory period weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 252. Geography of Anglo-America.
Three lecture periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 301. Astronomy I.
Three lecture periods weekly for one and one-half semesters.
4.5 semester hours credit.

EARTH SCIENCE 303. Meteorology I.
Three lecture periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 304. Climatology.
Three lecture periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 311. Meteorology and Climatology.
Three lecture periods weekly for one and one-half semesters.
4.5 semester hours credit.
EARTH SCIENCE 315. Cartography.
One lecture period and two 2-hour laboratory periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 351. Geography of Europe and Asia.
Three lecture periods weekly for one and one-half semesters.
4.5 semester hours credit.

EARTH SCIENCE 352. Urban Geography.
Three lecture periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 361. World Geography.
Three lecture periods weekly for one and one-half semesters.
4.5 semester hours credit.

EARTH SCIENCE 362. Economic Geography.
Three lecture periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 372. Mineralogy.
Two lecture periods and two 2-hour laboratory periods weekly for one semester.
4 semester hours credit.

EARTH SCIENCE 380. Geography of Anglo-America.
Three lecture periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 383. Structural Geology.
Two lecture periods and one 2-hour laboratory period weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 401. Meteorology and Physical Geology.
Three lecture periods weekly for one and one-half semesters.
4.5 semester hours credit.

EARTH SCIENCE 403. Astronomy IA.
Three lecture periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 404. Astronomy IIA.
Three lecture periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 405. Meteorology II.
Two lecture periods and one 2-hour laboratory period weekly.
3 semester hours credit.
EARTH SCIENCE 407. Air-Photo Interpretation.
One lecture period and two 2-hour laboratory periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 411. Physical and Historical Geology.
Two lecture periods and one 2-hour laboratory period weekly for one and one-half semesters.
4.5 semester hours credit.

EARTH SCIENCE 452. Geography of Asia.
Three lecture periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 453. Geography of Europe.
Three lecture periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 454. Geography of Latin America.
Three lecture periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 458. Geography of South America.
Three lecture periods weekly for one-half semester.
1.5 semester hours credit.

EARTH SCIENCE 461. Geography of Africa.
Three lecture periods weekly for one semester.
3 semester hours credit.

Three lecture periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 463. Geomorphology.
Three lecture periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 464. Economic Geology.
Three lecture periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 466. Glacial Geology.
Two lecture periods and one 2-hour laboratory period weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 471. Earth Science Seminar.
Two lecture periods weekly for one and one-half semesters.
3 semester hours credit.
EARTH SCIENCE 472. Petrography.
One lecture period and two 2-hour laboratory periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 473. Optical Crystallography.
One lecture period and two 2-hour laboratory periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 474. Political Geography.
Three lecture periods weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 475. Paleontology.
Two lecture periods and one 2-hour laboratory period weekly for one semester.
3 semester hours credit.

EARTH SCIENCE 476. Earth Science Seminar.
Three lecture periods weekly for one semester.
3 semester hours credit.

ECONOMICS
George Kelley, Chairman, Instructor; Daniel Noonan, Associate Professor.

The Economics Department strives to advance the general education of the student in the area of economic understanding.

Three periods weekly for one semester.
3 semester hours credit.

Three periods weekly for one semester.
3 semester hours credit.

Three periods weekly for one semester.
3 semester hours credit.

EDUCATION
Stanley L. Clement, Chairman, Associate Professor; Iva V. Lutz, Professor; Ellen M. Shea, Professor; Joseph J. Corkery, Associate Professor; V. James DiNardo, Professor; Elizabeth Hollis, Associate Professor; Evelyn R. Lindquist, Associate Professor; Rita Nadal, Assistant Professor; Balfour S. Tyndall, Associate Professor; Philip Dooley, Assistant Professor; Mary L. Marks, Instructor.
EDUCATION A. College Orientation.
One period weekly for one semester.
0 semester hours credit.

EDUCATION 231. Art Materials and Methods in Elementary Education.
One period weekly for two semesters.
2 semester hours credit.

EDUCATION 224. Educational Psychology—Child Growth and Development.
Three periods weekly for one semester.
3 semester hours credit.

Three periods weekly for one semester.
3 semester hours credit.

EDUCATION 0324. General Psychology
Three periods weekly for one semester.
3 semester hours credit.

EDUCATION 326. Educational Psychology, The Development of the Adolescent.
Three periods weekly for one semester.
3 semester hours credit.

EDUCATION 0337. Civic Education and Social Studies Methods.
Two periods weekly for one and one-half semesters.
3 semester hours credit.

EDUCATION 343. Principles of Secondary Education.
Three periods weekly for one and one-half semesters.
4.5 semester hours credit.

EDUCATION 341. Elementary Curriculum.
Five periods weekly for one and one-half semesters.
7.5 semester hours credit.

Three periods weekly for one semester.
2 semester hours credit.

EDUCATION 337. The Communicative Arts—Methods and Materials.
Three periods weekly for one and one-half semesters.
4.5 semester hours credit.
EDUCATION 0371. Supervised Student Teaching in the Campus Schools.

One-half semester.
6 semester hours credit.

EDUCATION 0311. Methods of Teaching Modern Foreign Languages.

Three periods weekly for one-half semester.
1.5 semester hours credit.

EDUCATION 0333. Music Materials and Methods in Elementary Education.

Two periods weekly for one semester.
2 semester hours credit.

EDUCATION 0423. Educational Measurement.

Three periods weekly for one semester.
3 semester hours credit.

EDUCATION 0459. Philosophy.

Three periods weekly for one semester.
3 semester hours credit.

EDUCATION 461. History and Philosophy of Education.

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

EDUCATION 0463. Philosophy of Education.

Three periods weekly for one semester.
3 semester hours credit.

EDUCATION 0471. Supervised Student Teaching in the Public Schools.

One-half semester.
6 semester hours credit.

EDUCATION 473. Supervised Student Teaching in the Public Schools.

One-half semester.
6 semester hours credit.

EDUCATION 411. Advanced Audio-Visual Education.

Three periods weekly for one semester.
3 semester hours credit.

EDUCATION 443. Secondary Curriculum.

Two periods weekly for one and one-half semesters.
3 semester hours credit.
EDUCATION 0337. Methods and Materials in Secondary Education.

Three periods weekly for one semester.
3 semester hours credit.

EDUCATION 474. Educational Seminar.

Two periods weekly for one semester.
2 semester hours credit.


Three periods weekly for one semester.
3 semester hours credit.

ENGLISH

Samuel N. Sheinfeld, Chairman, Professor; George Green, Professor; John L. Davoren, Associate Professor; M. Frances Guerin, Associate Professor; Joseph DeRocco, Assistant Professor; Mary L. Jarvis, Assistant Professor; Barbara A. Chellis, Assistant Professor; Nettie Chipman, Instructor; Vincent H. Gannon, Instructor; Virginia Joki, Assistant Professor; Katherine Lomax, Assistant Professor.

The program of study for English majors aims to give students an acquaintance with the history and background of English and American literature, an understanding of great literary works, and the ability to analyze, interpret, and appreciate what they read.

English majors are required to take the following courses: Eng. 201, 221, 222, 330, (331), 340, (341), 430, (431), and 450, (451). Non-English majors may elect: Eng. 221, 222, 340, (341), 380, (370), 384, (374), or 452, (453).

ENGLISH 0101, 0102. Composition.

(Eng. 0101 must be passed before taking Eng. 0102).
Three periods weekly for two semesters.
6 semester hours credit.

ENGLISH 201, 202. Advanced Composition.

(English majors who receive a grade lower than 3.0 in Eng. 201 must take Eng. 202 and pass the course satisfactorily).
Three periods weekly.
3 semester hours credit for each semester.

ENGLISH 211, 212. Types of World Literature.

Three periods weekly for two semesters.
6 semester hours credit.

ENGLISH 221, 222. Survey of English Literature.

Three periods weekly for two semesters.
6 semester hours credit.
ENGLISH 330. American Literature through the 19th Century.
Three periods weekly for two semesters.
6 semester hours credit.

ENGLISH 331. American Literature through the 19th Century.
Three periods weekly for one and one-half semesters.
4.5 semester hours credit.

ENGLISH 340. Shakespeare.
Three periods weekly for two semesters.
6 semester hours credit.

ENGLISH 341. Shakespeare.
Three periods weekly for one and one-half semesters.
4.5 semester hours credit.

(May be taken only with the approval of the instructor).
Three periods weekly for two semesters.
6 semester hours credit.

ENGLISH 351. The Modern British Novel.
(May be taken only with the approval of the instructor).
Three periods weekly for one and one-half semesters.
4.5 semester hours credit.

ENGLISH 380. Great American Writers.
(For non-English majors.)
Three periods weekly for two semesters.
6 semester hours credit.

ENGLISH 370. Great American Writers.
(For non-English majors.)
Three periods weekly for one and one-half semesters.
4.5 semester hours credit.

ENGLISH 382. Milton and Other 17th Century Poets.
(Offered 1962-1963)
Three periods weekly for two semesters.
6 semester hours credit.

ENGLISH 372. Milton and Other 17th Century Poets.
(Offered 1962-1963)
Three periods weekly for one and one-half semesters.
4.5 semester hours credit.

ENGLISH 384. Modern Irish Literature.
(Offered 1962-1963)
Three periods weekly for two semesters.
6 semester hours credit.
ENGLISH 374. Modern Irish Literature.
(Offered 1962-1963)
Three periods weekly for one and one-half semesters.
4.5 semester hours credit.

ENGLISH 386. English Romantic Poets.
(Offered 1962-1963)
Three periods weekly for two semesters.
6 semester hours credit.

ENGLISH 376. English Romantic Poets.
(Offered 1962-1963)
Three periods weekly for one and one-half semesters.
4.5 semester hours credit.

ENGLISH 381. Modern Poetry.
(Offered 1963-1964)
Three periods weekly for two semesters.
6 semester hours credit.

(Offered 1963-1964)
Three periods weekly for one and one-half semesters.
4.5 semester hours credit.

ENGLISH 383. English Literature of the 18th Century.
(Offered 1963-1964)
Three periods weekly for two semesters.
6 semester hours credit.

ENGLISH 373. English Literature of the 18th Century.
(Offered 1963-1964)
Three periods weekly for one and one-half semesters.
4.5 semester hours credit.

ENGLISH 385. History and Structure of the English Language.
(Offered 1963-1964)
Three periods weekly for two semesters.
6 semester hours credit.

ENGLISH 375. History and Structure of the English Language.
(Offered 1963-1964)
Three periods weekly for one and one-half semesters.
4.5 semester hours credit.

ENGLISH 391, 392. Creative Writing.
(For juniors — with the consent of the instructor)
(Not offered 1962-1963)
Three periods weekly for two semesters.
6 semester hours credit.
ENGLISH 430. Modern American Literature.
(May be taken only with the approval of the instructor.)
Three periods weekly for two semesters.
6 semester hours credit.

ENGLISH 431. Modern American Literature.
(May be taken only with the approval of the instructor.)
Three periods weekly for one and one-half semesters.
4.5 semester hours credit.

ENGLISH 450. Literature of the Victorian Period.
Three periods weekly for two semesters.
6 semester hours credit.

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

ENGLISH 452. Modern Drama.
(Open to non-English majors)
Three periods weekly for two semesters.
6 semester hours credit.

ENGLISH 453. Modern Drama.
(Open to non-English majors)
Three periods weekly for one and one-half semesters.
4.5 semester hours credit.

FOREIGN LANGUAGES

Alex Corriere, Chairman, Assistant Professor; Robert A. Briggs, Instructor.

The Department of Foreign Languages offers courses in French and German from the elementary level through advanced language and literature. Candidates for the Bachelor of Arts degree are required to complete a minimum of twelve (12) semester hours of one language before graduation.

Students may major in French and minor in German or in some other field.

A foreign language may be scheduled for its cultural value or in anticipation of foreign travel, study, or employment. For students who plan to go on to professional or graduate school, a foreign language will serve as a tool for scientific or literary research.

FRENCH

FRENCH 101-102. Elementary French.
Three periods weekly per semester.
6 semester hours credit.
FRENCH 181-182. An Introduction to the Advanced Study of French.
Prerequisite: French 101-102 or passing grade in language proficiency test.
Three periods weekly per semester.
6 semester hours credit.

Prerequisite: French 181-182.
Three periods weekly per semester.
6 semester hours credit.

FRENCH 281. Advanced Conversation.
Three periods weekly for one semester.
3 semester hours credit.

FRENCH 301-302. The Classical Period in French Literature.
Three periods weekly per semester.
6 semester hours credit.

FRENCH 381. Phonetics and Oral French.
Three periods weekly for one semester.
3 semester hours credit.

FRENCH 382. Advanced Composition and Grammar.
Three periods weekly for one semester.
3 semester hours credit.

FRENCH 383. French Literature from 1800 to 1850.
Three periods weekly for one semester.
3 semester hours credit.

FRENCH 384. French Literature from 1850 to 1900.
Three periods weekly for one semester.
3 semester hours credit.

FRENCH 401-402. Modern French Literature.
Three periods weekly per semester.
6 semester hours credit.

GERMAN

GERMAN 101-102. Elementary German.
Three periods weekly per semester.
6 semester hours credit.

GERMAN 181-182. An Introduction to the Advanced Study of German.
Prerequisite: German 101-102 or passing grade in language proficiency test.
Three periods weekly per semester.
6 semester hours credit.
HEALTH AND PHYSICAL EDUCATION FOR MEN

Harry A. Lehmann, Associate Professor, Chairman; Edward C. Swenson, Associate Professor.

The objectives of this department are to:
1. Help the student develop a wholesome philosophy of health, physical activity, and recreation.
2. Help the student acquire skills and techniques in a variety of group and individual activities.
3. Help the student acquire leadership techniques in health and physical education.
4. Provide opportunities for students to participate in the intramural and intercollegiate athletic program.

HEALTH AND PHYSICAL EDUCATION M 0115. Personal Health

One period weekly for two semesters.
2 semester hours credit.

HEALTH AND PHYSICAL EDUCATION M 123. Physical Education Activities.

Two periods weekly for one semester.
No credit.

HEALTH AND PHYSICAL EDUCATION M 124. Physical Education Activities.

Two periods weekly for one semester.
No credit.

HEALTH AND PHYSICAL EDUCATION M 223. Physical Education Activities.

Two periods weekly for one semester.
No credit.

HEALTH AND PHYSICAL EDUCATION M 226. Physical Education Activities.

Two periods weekly for one semester.
No credit.

HEALTH AND PHYSICAL EDUCATION M 231. Standard First Aid.

One period weekly for one semester.
1 semester hour credit.

HEALTH AND PHYSICAL EDUCATION M 0301. School Health Administration.

One period weekly for one and one-half semesters.
1.5 semester hours credit.
HEALTH AND PHYSICAL EDUCATION M 0381.
Methods and Techniques in Intramural and Interscholastic Sports.

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

HEALTH AND PHYSICAL EDUCATION DEPARTMENT FOR WOMEN

Mary J. Moriarty, Chairman, Professor; Mary I. Caldwell, Assistant Professor; Ann O. Coakley, Instructor; Phyllis Morris, Instructor; Patricia Phillips, Instructor; Ann L. Steimen, Instructor.

Requirements for graduation.
For women NOT majoring in Health and Physical Education.

Bachelor of Arts degree:
4 semesters of physical education activities.
2 semester hours of health education.

Bachelor of Science degree:
6 semesters of physical education activities.
(Permission: Women majoring in secondary education are required to take 4 semesters of physical education activities.)
4 semester hours in health education.
2 semester hours in methods in physical education and first aid.

The Department of Health and Physical Education for Women offers instruction in recreational skills, physical conditioning, and health for all college women. Regular participation is encouraged through required courses and extra-curricular activities in order that the student may develop interest and skill in activities which she can enjoy in her leisure time.

HEALTH AND PHYSICAL EDUCATION 0115. Personal Health.
One period a week for two semesters.
2 semester hours credit.

HEALTH AND PHYSICAL EDUCATION 123. Physical Education Activities.
Two periods a week for one semester.
No credit.

HEALTH AND PHYSICAL EDUCATION 124. Physical Education Activities.
Two periods a week for one semester.
No credit.

HEALTH AND PHYSICAL EDUCATION 220. Methods and Materials and First Aid.
Two periods a week for one semester.
No credit.
HEALTH AND PHYSICAL EDUCATION 223.
Two periods a week for one semester.
No credit.

HEALTH AND PHYSICAL EDUCATION 226.
Two periods a week for one semester.
No credit.

HEALTH AND PHYSICAL EDUCATION 323.
Two periods a week for one semester.
No credit.

HEALTH AND PHYSICAL EDUCATION 324.
Two periods a week for one semester.
No credit.

HEALTH AND PHYSICAL EDUCATION 410.
Two periods a week for one semester.
No credit.

MAJOR CURRICULUM IN HEALTH AND PHYSICAL EDUCATION FOR WOMEN

The Department of Health and Physical Education offers a professional curriculum in Health and Physical Education. The student completing this course receives a bachelor of Science in Education degree, with a major in Health and Physical Education. The basic program is planned to satisfy the needs of the student who will teach in the public schools; it includes sufficient work in health education to enable her to qualify for positions which require the teaching of both physical education and health education. Through varied activities in the classrooms, the gymnasium, and on the playing fields, the students are given an opportunity to acquire scientific knowledge, specialized skills, and physical fitness, and to attain essential philosophies, techniques, principles, and evaluative procedures.

HEALTH AND PHYSICAL EDUCATION 0171. Anatomy.
Two periods a week for two semesters.
4 semester hours credit.

HEALTH AND PHYSICAL EDUCATION 151. Personal and Community Health.
Three periods a week for one semester.
Three semester hours credit.
HEALTH AND PHYSICAL EDUCATION 161.  
Two periods a week for one semester.  
2 semester hours credit.

HEALTH AND PHYSICAL EDUCATION 250.  
One period a week for one semester.  
1 semester hour credit.

HEALTH AND PHYSICAL EDUCATION 252.  
Two periods a week for one semester.  
2 semester hours credit.

HEALTH AND PHYSICAL EDUCATION 261.  
Two periods a week for two semesters.  
4 semester hours credit.

HEALTH AND PHYSICAL EDUCATION 263.  
Two periods a week for one semester.  
2 semester hours credit.

HEALTH AND PHYSICAL EDUCATION 351.  
Two periods a week for one semester.  
2 semester hours credit.

HEALTH AND PHYSICAL EDUCATION 0361.  Coaching.  
Two periods a week for one and one-half semesters.  
3 semester hours credit.

Three periods a week for one semester.  
3 semester hours credit.

HEALTH AND PHYSICAL EDUCATION 451.  School Health Administration and Safety.  
Three periods a week for one semester.  
3 semester hours credit.

HEALTH AND PHYSICAL EDUCATION 460.  Organization and Administration of Physical Education.  
Two periods a week for one semester.  
2 semester hours credit.

HEALTH AND PHYSICAL EDUCATION 462.  Evaluation in Physical Education.  
Two periods a week for one semester.  
2 semester hours credit.
HEALTH AND PHYSICAL EDUCATION 464. Supervision in Physical Education.

Three periods a week for one semester.
3 semester hours credit.

HEALTH AND PHYSICAL EDUCATION 466. Seminar in Physical Education.

Two periods a week for one semester.
2 semester hours credit.

HEALTH AND PHYSICAL EDUCATION 471. Physiology in Exercise.

Two periods a week for one semester.
2 semester hours credit.

MAJOR CURRICULUM — HEALTH AND PHYSICAL EDUCATION FOR WOMEN

ACTIVITY COURSES

Forty-Two semester hours of activities with a value of one-third of a semester credit each, equals a total of 14 semester hours credit.

HISTORY AND POLITICAL SCIENCE

Jordan D. Fiore, Chairman, Professor; Annabelle M. Melville, Ralph S. Bates, Stephanie O. Husek, Professors; Charles E. Foth, Jane Herrick, Associate Professors; William R. Cole, Jr., Gerald J. Doiron, Benjamin Spence, Instructors.

The Department of History and Political Science has four objectives: (1) to make an effective contribution to the general education program by offering history courses to all students in the first two years; (2) to give adequate preparation for students planning to teach history on the secondary level; (3) to provide a breadth in history which will enable students to do graduate work in the field of history; and (4) to offer enough advanced courses in history to students who are majoring in the elementary curriculum to enable them to enrich the program of teaching history at that level.

HISTORY 111. Western Civilization to 1660.

Three hours weekly for one semester.
3 semester hours credit.

HISTORY 112. Western Civilization since 1660.

Three hours weekly for one semester.
3 semester hours credit.

HISTORY 221. United States History and Constitutions to 1865.

Three hours weekly for one semester.
3 semester hours credit.
HISTORY 222. United States History and Constitutions since 1865.
Three hours weekly for one semester.
3 semester hours credit.

HISTORY 271. Introduction to Political Science.
Three hours weekly for one semester.
3 semester hours credit.

Three hours weekly for one semester.
3 semester hours credit.

HISTORY 311. Europe since 1870.
Three hours weekly for one and one-half semesters.
4.5 semester hours credit.

HISTORY 313. British Political History.
Three hours weekly for one and one-half semesters.
4.5 semester hours credit.

HISTORY 315. Nineteenth Century Europe.
Three hours weekly for one semester.
3 semester hours credit.

HISTORY 316. Twentieth Century Europe.
Three hours weekly for one semester.
3 semester hours credit.

HISTORY 317. British Political History since 1603.
Three hours weekly for one semester.
3 semester hours credit.

HISTORY 318. British Empire and Commonwealth.
Three hours weekly for one semester.
3 semester hours credit.

HISTORY 331. Latin American History.
Three hours weekly for one and one-half semesters.
4.5 semester hours credit.

HISTORY 333. Latin America—The Colonial Period.
Three hours weekly for one semester.
3 semester hours credit.

HISTORY 334. Latin America—The National Period.
Three hours weekly for one semester.
3 semester hours credit.

HISTORY 341. Ancient History.
Three hours weekly for one and one-half semesters.
4.5 semester hours credit.
HISTORY 343. Ancient World to 336 B.C.
 Three hours weekly for one semester.
 3 semester hours credit.

HISTORY 344. Roman History.
 Three hours weekly for one semester.
 3 semester hours credit.

HISTORY 351. Study and Writing of History.
 Three hours weekly for one and one-half semesters.
 4.5 semester hours credit.

HISTORY 353. Historiography.
 Three hours weekly for one semester.
 3 semester hours credit.

HISTORY 354. Study and Writing of History.
 Three hours weekly for one semester.
 3 semester hours credit.

HISTORY 411. History of Russia.
 Three hours weekly for one and one-half semesters.
 4.5 semester hours credit.

HISTORY 413. Contemporary Affairs.
 Three hours weekly for one and one-half semesters.
 4.5 semester hours credit.

HISTORY 415. Russian History to 1825.
 Three hours weekly for one semester.
 3 semester hours credit.

HISTORY 416. Russian History since 1825.
 Three hours weekly for one semester.
 3 semester hours credit.

HISTORY 421. History of Massachusetts.
 Three hours weekly for one and one-half semesters.
 4.5 semester hours credit.

HISTORY 422. U. S. Diplomatic History.
 Three hours weekly for one semester.
 3 semester hours credit.

 Three hours weekly for one semester.
 3 semester hours credit.
Three hours weekly for one semester.
3 semester hours credit.

HISTORY 461. Far Eastern History.
Three hours weekly for one and one-half semesters.
4.5 semester hours credit.

HISTORY 463. Far East in Modern Times.
Three hours weekly for one semester.
3 semester hours credit.

HISTORY 471. International Relations.
Three hours weekly for one and one-half semesters.
4.5 semester hours credit.

HISTORY 473. International Relations.
Three hours weekly for one semester.
3 semester hours credit.

HISTORY 475. Comparative Government.
Three hours weekly for one semester.
3 semester hours credit.

LIBRARY SCIENCE
Beatrice Bouchard, Chairman, Associate Professor; Cora Vining, Assistant Professor; Mary Gloster, Instructor; Olive Lee, Instructor.

The department has a two-fold purpose. Courses may be elected by students who are majoring in any other subject and desire a better understanding of the library and its resources. Students who wish to combine librarianship with teaching may prepare themselves to qualify for either elementary or secondary teacher-librarian positions.

LIBRARY 0211. Children's Literature.
Two periods weekly for one semester.
2 semester hours credit.

LIBRARY 0215. Literature for Young Adults.
Three periods weekly for one semester.
3 semester hours credit.

Three periods weekly for one semester.
3 semester hours credit.

Three periods weekly for one and one-half semesters.
4.5 semester hours credit.
LIBRARY 325. Use of the Library in Junior and Senior High School.
Three periods weekly for one and one-half semesters.
4.5 semester hours credit.

LIBRARY 0381. The History of the Book.
Three periods weekly for one semester.
3 semester hours credit.

LIBRARY 431. The Elementary School Library Administration and Techniques.
Two lecture periods and one 2-hour laboratory period weekly for one and one-half semesters.
4.5 semester hours credit.

Two lecture periods and one 2-hour laboratory period weekly for one and one-half semesters.
4.5 semester hours credit.

MATHEMATICS

George H. Durgin, Chairman, Associate Professor; Lee Harrington, Associate Professor; Henry Mailloux, Assistant Professor; Frederick L. Wood, Instructor.

Four periods weekly for one semester.
4 semester hours credit.

MATHEMATICS 102. Calculus I.
Four periods weekly for one semester.
4 semester hours credit.

MATHEMATICS 201. Calculus II.
Four periods weekly for one semester.
4 semester hours credit.

MATHEMATICS 202. Calculus III.
Four periods weekly for one semester.
4 semester hours credit.

MATHEMATICS 103. Mathematical Analysis I.
Three periods weekly for one semester.
3 semester hours credit.

MATHEMATICS 104. Mathematical Analysis II.
Three periods weekly for one semester.
3 semester hours credit.
MATHEMATICS 110. Foundation of Mathematics I.
Three periods weekly for one semester.
3 semester hours credit.

MATHEMATICS 310. Foundations of Mathematics II.
Two periods weekly for three quarters.
3 semester hours credit.

MATHEMATICS 410. Foundations of Mathematics III.
Three periods weekly for three quarters.
4.5 semester hours credit.

MATHEMATICS 200. Analytic Geometry and Introduction to Calculus.
Three periods weekly for two semesters.
6 semester hours credit.
(Not to be given after 1962-1963)

MATHEMATICS 300. Differential and Integral Calculus.
Three periods weekly for three quarters.
4.5 semester hours credit.
(Not to be given after 1963-1964)

MATHEMATICS 400. Advanced Calculus and Differential Equations.
Three periods weekly for three quarters.
4.5 semester hours credit.
(Not to be given after 1964-1965)

MUSIC
Walter L. Mayo, Chairman, Asst. Professor; Marjorie E. Hayward, Instructor; Dorothy Ferry, Instructor.

The purpose of the Department is to assist in the cultural as well as the educational development of our students. The Appreciation of Music includes the lives and works of the great composers from the Baroque period to the present time, with a study of the various forms through listening. The Theory of Music consists of the study of the fundamentals of Music and the preparation of the students in the foundations necessary for the teaching of Music to children. Music for Physical Education Majors accents the rhythmic content which is most useful in Physical Education.

MUSIC 0107. Music Appreciation.
Three periods weekly for one semester.
3 semester hours credit.

MUSIC 0221. Music Theory.
Three periods weekly for one semester.
3 semester hours credit.
MUSIC 106. Music in Physical Education.
Two periods weekly for one semester.
2 semester hours credit.

PHYSICAL SCIENCES

T. Leonard Kelly, Chairman, Professor; Otis E. Alley, Professor; George A. Weygand, Assistant Professor; Joseph M. Pagano, Instructor; Margaret B. Sousa, Instructor; Orville J. Dalton, Instructor.

The department has as its main objective the preparation of secondary school teachers of the physical sciences. The courses in chemistry and physics are designed to impress upon the candidate what a physical scientist does, how it is done, and why it happens.

CHEMISTRY

CHEMISTRY 141. Inorganic Chemistry (with Qualitative Analysis).
Three Lecture periods and one 3-hour laboratory period weekly for two semesters.
8 semester hours credit.

CHEMISTRY 131. General Chemistry.
Two lecture periods and one 2-hour laboratory period weekly for two semesters.
6 semester hours credit.

CHEMISTRY 252. Introductory Chemistry.
Two lecture periods and one 2-hour laboratory period weekly for one semester.
3 semester hours credit.

One lecture period and one 4-hour laboratory period weekly for two semesters.
4 semester hours credit.

CHEMISTRY 383. Inorganic Analytical Chemistry.
Three lecture periods and one 3-hour laboratory period weekly for one and one-half semesters.
6 semester hours credit.

Three lecture periods and one 3-hour laboratory period weekly for one and one-half semesters.
6 semester hours credit.

CHEMISTRY 401. Physical Chemistry.
Four lecture periods and one 3-hour laboratory period weekly for one and one-half semesters.
8 semester hours credit.
CHEMISTRY 471. Chemical Thermodynamics.
  Two lecture periods and one quiz period weekly for one and one-half semesters.
  4 semester hours credit.

CHEMISTRY 473. Research and Seminar.
  One 2-hour seminar meeting and one 4-hour laboratory period weekly for one and one-half semesters.
  6 semester hours credit.

PHYSICS

PHYSICS 211. Physical Science.
  Three periods weekly for two semesters.
  4 semester hours credit.

PHYSICS 231. General Physics.
  Two lecture periods and one 2-hour laboratory period weekly for two semesters.
  6 semester hours credit.

PHYSICS 241. Molecular Physics.
  Three lecture periods and one 3-hour laboratory period weekly for two semesters.
  8 semester hours credit.

PHYSICS 243. College Physics.
  Three lecture periods and one 3-hour laboratory period weekly for two semesters.
  8 semester hours credit.

  Two lecture periods and one 2-hour laboratory period weekly for one semester.
  3 semester hours credit.

PHYSICS 371. Electricity and Radiant Energy.
  Three lecture periods and one 3-hour laboratory period weekly for two semesters.
  8 semester hours credit.

PHYSICS 383. Electricity and Electronics.
  Three lecture periods and one 2-hour laboratory period weekly for one and one-half semesters.
  6 semester hours credit.

PHYSICS 385. Radiation.
  Three lecture hours and one 2-hour laboratory period weekly for one and one-half semesters.
  6 semester hours credit.
SOCIOLOGY

Rose H. O'Connell, Chairman, Associate Professor; Shirley Kolack, Assistant Professor.

The program in sociology has been planned to give all students who are interested a knowledge of the fundamental insights into human relations which are developing in the modern scientific discipline of sociology. This major prepares for graduate work leading to careers in law, social work, public administration, college teaching in university departments of sociology, and the teaching of social studies in high school.

SOCIOLOGY 201. Introduction to Sociological Analysis Periods.
Three weekly for one semester.
Three semester hours credit.

Three periods weekly for one semester.
Three semester hours credit.

SOCIOLOGY 301. Introductory Sociology.
Three periods weekly for one semester.
Three semester hours credit.

SOCIOLOGY 401. Social Stratification.
Three periods weekly for one and one-half semesters.
4.5 semester hours credit.

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

SPEECH

Miriam M. Reinhart, Chairman, Professor; Robert Barnett, Assistant Professor; James L. Austin, Instructor.

The Speech program is designed to help the student participate logically and creatively in the development and exchange of ideas, both professionally and personally. All students are required to take the comprehensive Sophomore and Senior courses which introduce the student to the three aspects of the broad field of Oral Communication: Group Communication, Mass Communication, and Drama. More specialized courses in each of these areas are offered as electives.

The Speech Department has established minimum Voice and Articulation Standards that must be met by all Bridgewater State College students:

1. All Freshmen must take a voice and articulation test;
2. Those Freshmen not passing the test, and, therefore, not meeting minimum Voice and Articulation requirements, must re-
ceive Speech Improvement help under the guidance of the Speech Department;

3. Before being permitted to enter Junior Student Teaching, all students (including transfers) are required to meet the minimum Voice and Articulation standards established by the Speech Department.

**SPEECH 0201. Oral Communication 1.**
Two periods weekly for one semester.
2 semester hours credit.

**SPEECH 0401. Oral Communication 2.**
Two periods weekly for one semester.
2 semester hours credit.

**BASIC PATTERN FOR A.B. DEGREE WITH REQUIRED TEACHING MINOR**

<table>
<thead>
<tr>
<th>General Education</th>
<th>12 Semester Hours</th>
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<tbody>
<tr>
<td>English Composition and Literature</td>
<td>6 &quot; &quot; &quot;</td>
</tr>
<tr>
<td>History of Western Civilization</td>
<td>6 &quot; &quot; &quot;</td>
</tr>
<tr>
<td>U. S. History and Government</td>
<td>6 &quot; &quot; &quot;</td>
</tr>
<tr>
<td>Mathematics</td>
<td>2 &quot; &quot; &quot;</td>
</tr>
<tr>
<td>Speech</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>6 Semester hours in one science. For science majors this may be an introductory course.</td>
</tr>
<tr>
<td>(Biology; Physics; Chemistry; Geology; Physical Science; Physical Geography)</td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td>3 &quot; &quot; &quot;</td>
</tr>
<tr>
<td>Music</td>
<td>3 &quot; &quot; &quot;</td>
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<tr>
<td>General Psychology</td>
<td>3 &quot; &quot; &quot;</td>
</tr>
<tr>
<td>Philosophy</td>
<td>3 &quot; &quot; &quot;</td>
</tr>
<tr>
<td>Physical Education and Health</td>
<td>0-2 &quot; &quot; &quot;</td>
</tr>
<tr>
<td>(Sociology; Economics; Political Science)</td>
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<tr>
<td>Language</td>
<td>6 Semester Hours</td>
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<tr>
<td>(Up to 6 Semester hours may be waived by placement examination)</td>
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<tr>
<td>Total</td>
<td>59-67 Semester Hours</td>
</tr>
</tbody>
</table>
II  Major Field of Study  30 Semester Hours
     (24 Semester Hours outside general education requirements)

III  Education Minor  18-24 credits in Education distributed to meet certification, student teaching requirements, and 6 Semester Hours Practice teaching.

126 Semester Hours minimum required for graduation. Hours to meet this which are not included in I, II, and III will be considered "free electives."

Effective September 1962.