1967 SUMMER SESSION CALENDAR

Pre-Registration (Graduate and Undergraduate)

May 8-26 (Monday-Friday) 9:00 A.M.-12:00 Noon, 1:00 P.M.-4:00 P.M.
Tuesdays and Thursdays, 6:00 P.M.-7:30 P.M.

Graduate Program Advisers are available by appointment only during the Pre-registration period

Mail Registration

*May 15-22 Undergraduate courses only

Regular Registration and Advisement (Graduate courses)

June 16 (Friday) — 5:00 P.M.-8:00 P.M.  
June 17 (Saturday) — 9:00 A.M.-12:00 Noon

For matriculated students and students applying for matriculation to a graduate program at Trenton State College

June 19 (Monday) — 9:00 A.M.-12:00 Noon  
1:00 P.M.-4:00 P.M.  
6:00 P.M.-8:00 P.M.

For students not enrolled in a graduate program at Trenton State College

Regular Registration (Undergraduate courses)

June 19 (Monday)  
June 20 (Tuesday)  
9:00 A.M.-12:00 Noon  
1:00 P.M.-4:00 P.M.  
6:00 P.M.-8:00 P.M.

** June 21, 22, 23, 26 Late registration and program changes; $5.00 fee applies

June 26 Classes begin
July 4 Holiday—no class sessions
July 5 Evening classes will be held
July 8 Saturday classes will be held
August 4 Last day of classes for the regular session
August 4 Commencement, 1:00 P.M.

* Mail registration completed incorrectly or received after May 22 will be returned.
** Course changes may be made only during this period.
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Effective July 1, 1967 Trenton State College will have a Board of Trustees as part of its organizational structure. At this time, public colleges in New Jersey will be coordinated by a Department of Higher Education. As this bulletin went to press, selection of a Board of Trustees was taking place. Members of the board will be listed in future issues of the college bulletin.

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<thead>
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<th>Title</th>
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<th>Education 2</th>
<th>Education 3</th>
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Frederic Zimmerman, 321 W. 55th St., New York, N. Y. .......... Bass
Edward Helms, 41 Titus Ave., Lawrenceville, N. J. .......... Bassoon
Stanley Austin, Trenton State College .......... Cello
Charles Krane, 150 Claremont Ave., New York 27, N. Y. .......... Cello
Herbert Blayman, 195 Jefferson Ave., Tenafly, N. J. .......... Clarinet
Kalen Opperman, 17 W. 67th St., New York 23, N. Y. .......... Clarinet
Otto Hellbig, Trenton State College .......... Composition
Vaclav Nelhybel, 211 E. 83rd St., New York, N. Y. .......... Composition
Lucien Cailliet, 89 N. Lake Side Dr., Birchwood Lakes, Medford, N. J. .......... Composition and Orchestration
Quinto Maganini, 333 W. 52nd St., New York, N. Y. .......... Composition and Orchestration
Julius Baker, 225 W. 71st St., New York, N. Y. .......... Flute
Paige Brooks, 12 Morton St., Dumont .......... Flute
John Wummer, Studio 1-A, 211 W. 58th St., New York 19, N. Y. .......... Flute
Henry M. Zlotnic, 932 Carroll St., Brooklyn, N. Y. .......... Flute
Herbert Pierson, 28 Endicott Rd., Trenton 90, N. J. .......... French Horn
Joseph Singer, 8557 62nd Drive, Rego Park 74, N. Y. .......... French Horn
Kathleen Wilber, 277 Johnson Ave., Teaneck, N. J. .......... French Horn
Mrs. Edward Treutel, 204 Cumley Ter., Leonia, N. J. .......... Harmony and Counterpoint
Charles Wright, 303 E. Commerce St., Bridgeton, N. J. .......... Harmony, Counterpoint and Analysis
Mary Helbig, Timberlane Dr., Pennington, N. J. .......... Harp
Nancy Uber, 3 Manner Ave., Princeton, N. J. .......... Harp
Martha Helms, 41 Titus Ave., Lawrenceville, N. J. .......... Oboe
Vernon de Tar, Church of the Ascension, 5th Ave. at 10th St., New York 11, N. Y. .......... Organ
Ludwig Lenel, Muhlenberg College, Allentown, Pa. .......... Organ
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Instrument</th>
</tr>
</thead>
<tbody>
<tr>
<td>Albert Ludecke</td>
<td>Trenton State College</td>
<td>Organ</td>
</tr>
<tr>
<td>J. Earl Ness, Jr.</td>
<td>First Baptist Church</td>
<td>Organ</td>
</tr>
<tr>
<td>Saul Goodman</td>
<td>141 Kneeland Ave., Yonkers, NY</td>
<td>Percussion</td>
</tr>
<tr>
<td>Fred Hinger</td>
<td>206 Hermitage Rd., Cherry Hill, NJ</td>
<td>Percussion</td>
</tr>
<tr>
<td>Irwin Russo</td>
<td>221 Lafayette Ave., Cliffside Park, N. J.</td>
<td>Percussion</td>
</tr>
<tr>
<td>Shirley Batchelor</td>
<td>Trenton State College</td>
<td>Piano</td>
</tr>
<tr>
<td>Anatolijs Berzkalns</td>
<td>Trenton State College</td>
<td>Piano</td>
</tr>
<tr>
<td>Grace Castagnetta</td>
<td>383 Union Ave., Wood-Ridge, N. J.</td>
<td>Piano</td>
</tr>
<tr>
<td>Eugene Helmer</td>
<td>28 Cregar Ave., High Bridge, N. J.</td>
<td>Piano</td>
</tr>
<tr>
<td>Modena Scovill</td>
<td>26 E. 10th St., New York, N. Y.</td>
<td>Piano</td>
</tr>
<tr>
<td>Vladimir Sokoloff</td>
<td>1415 Delancey St., Philadelphia 2, Pa.</td>
<td>Piano</td>
</tr>
<tr>
<td>Virgil Davis</td>
<td>1339 Somerset Dr., West Englewood, N. J.</td>
<td>Saxophone</td>
</tr>
<tr>
<td>Johnny Messner</td>
<td>Grove St., Ridgefield Park, N. J.</td>
<td>Saxophone</td>
</tr>
<tr>
<td>Edward Erwin</td>
<td>3 Ackerman Ave., Waldwick, N. J.</td>
<td>Trombone</td>
</tr>
<tr>
<td>Earl Leavitt</td>
<td>216 Brookfield Ave., Paramus, N. J.</td>
<td>Trombone</td>
</tr>
<tr>
<td>Michael Amato</td>
<td>1645 Worrall St., Philadelphia 24, Pa.</td>
<td>Trumpet</td>
</tr>
<tr>
<td>Samuel Krauss</td>
<td>Hathaway Lane, Havertown, Pa.</td>
<td>Trumpet</td>
</tr>
<tr>
<td>Edward Treutel</td>
<td>204 Cumlet Ter., Leonia, N. J.</td>
<td>Trumpet</td>
</tr>
<tr>
<td>Theodore Weis</td>
<td>Carnegie Hall, New York 19, N. Y.</td>
<td>Trumpet</td>
</tr>
<tr>
<td>Henry Aaron</td>
<td>10 Summit Ave., Larchmont, N. Y.</td>
<td>Viola</td>
</tr>
<tr>
<td>Paul Doktor</td>
<td>215 W. 88th St., Apt. 5-G, New York 24, N. Y.</td>
<td>Viola</td>
</tr>
<tr>
<td>Ulrich Bauman</td>
<td>Trenton State College</td>
<td>Violin</td>
</tr>
<tr>
<td>Arthur W. Berger</td>
<td>Trenton State College</td>
<td>Violin</td>
</tr>
<tr>
<td>Ruth Ricci</td>
<td>1271 Alicia Ave., W. Englewood, N. J.</td>
<td>Violin</td>
</tr>
<tr>
<td>Elda Ercole</td>
<td>2109 Broadway, New York 23, N. Y.</td>
<td>Voice</td>
</tr>
<tr>
<td>Ruthann Harrison</td>
<td>Trenton State College</td>
<td>Voice</td>
</tr>
<tr>
<td>Emile Renan</td>
<td>360 E. 55th St., New York, N. Y. 10022</td>
<td>Voice</td>
</tr>
<tr>
<td>Arthur Smith</td>
<td>Trenton State College</td>
<td>Voice</td>
</tr>
<tr>
<td>Byron Steele</td>
<td>Trenton State College</td>
<td>Voice</td>
</tr>
</tbody>
</table>
Trenton State College is an accredited coeducational institution which is outstanding in the combination of location and educational advantages it offers. Located on a two hundred acre campus in suburban Ewing Township, the college is four miles north of Trenton, the capital of New Jersey. The convenience of major highways and public transportation is available, but the rambling, wooded campus with its two lakes, provides a rustic country setting for a college community.

Its proximity to the metropolitan areas of Philadelphia and New York; historic Bucks County, Pennsylvania; and the varied attractions of the greater Delaware Valley; provides students and faculty with a wealth of cultural opportunities. Recreational facilities nearby include picturesque Washington’s Crossing State Park, two public golf courses, a county ski area, and the famed Jersey shore, only an hour’s drive across the Garden State.

The college is located on Route 69 (Pennington Road). Highways leading into the area include Route 206 and Route 1, both within five miles of the campus. Bus service on Pennington Road enables students to travel into Trenton easily where connections can be made on the main line of the Pennsylvania Railroad or with bus transportation serving many sections of the state. Mercer County Airport is located within a five-minute drive of the campus.

**MILESTONES IN THE COLLEGE HISTORY**

From 1839 to 1855 eight normal schools were established in Massachusetts, New York, Connecticut, Rhode Island, and Michigan. Trenton State College was established as the New Jersey State Normal and Model School by legislative act in 1855, thus making it the ninth to be founded in the nation.

Established as part of the state school system to furnish well-prepared teachers, the original normal and model school was situated on North Clinton Avenue in Trenton.

Throughout the nineteenth century, Trenton prepared students for elementary school teaching, but specialized curricula in physical education, industrial arts, music, and commercial subjects were organized early in the twentieth century. A program to educate secondary teachers was offered in 1925 when the college was authorized to grant the Bachelor of Science Degree. The first B.S. degree was granted in 1926 and in 1929 elementary and kindergarten-primary majors could pursue a fourth year leading to this degree.

Several changes in name have taken place, beginning in 1929 with State Teachers College and Normal School at Trenton. In 1937 the name was changed to New Jersey State Teachers College at Trenton, then Trenton State Teachers College, and in 1958 it became Trenton State College.

A most significant milestone in the 112-year history of the college occurred between 1930 and 1936 when it was moved to the present Hillwood Lakes campus in Ewing Township. Colonial Style buildings constructed during that period included five residence halls, Green Hall, Kendall Hall, the Library, the Physical Education Building, and the power house.

With increased emphasis on advanced education for teachers, the college offered its first masters degree in 1951. As additional undergraduate programs were added to the curriculum, the graduate offerings expanded and a Master of Arts degree was authorized.

Centennial Hall, a residence for women, and Phelps Hall, a food service facility, were dedicated in 1955. A reorganization of the undergraduate curriculum was authorized in 1956 and the college began grant-
ing the Bachelor of Arts degree instead of the B.S. in 1960. This marked the advent of an expansion of facilities that has enabled the college to triple its full-time enrollment to 3,450. The college also enrolls more than 5,000 students in the evening in courses on campus and at 14 off-campus centers.

With teacher education continuing as the focus, the college recognizes the great need for personnel in other professions and the desire of some students for a liberal arts education. Therefore, in 1965 this college was authorized to offer a baccalaureate degree in nursing and in the liberal arts. Freshmen entered these academic programs for the first time in September, 1966.

GREEN HALL is the administration building with offices on the first floor for the President, the Deans, Student Personnel Services, Admissions, Registrar, Field Services, Graduate Study, Public Information, and Student Teaching and Placement. The Business Office, Traffic Office, a Data Processing Center, and the College Bookstore, art studios, and offices for the departments of art, nursing, and special education are located on the basement level. General classrooms, business education laboratories, offices for the departments of education, business education, distributive education, and the Alumni Affairs Office can be found on the second floor of Green Hall.

KENDALL HALL, recently redecorated and refurnished with 1,000 comfortable seats, provides the largest auditorium on the campus. To the right of the large auditorium is a small auditorium which is used for classes, workshops, and programs. Offices and classrooms for the speech department are housed in this building and construction has begun on a new studio for WTSR-FM, making this facility the campus center for cultural programs, many of which are available to the community.

PACKER HALL accommodates the health and physical education department while also serving as the facility for varsity and intramural athletics. A new gymnasium with seating for 1,600 can be divided for classes, but an older gym also is available as a teaching station. The college pool is located on the North side of the building which also houses a modern dance studio, a physical training room, classrooms, locker rooms, and offices.

ARMSTRONG HALL is one of the most complete industrial education facilities in the East. Laboratories and classrooms provide opportunities for students to learn graphic arts, power mechanics, general crafts, electronics, design, and wood crafts among other subjects. This building currently houses the College Press and the technical equipment for WTSR-FM, the campus radio station which broadcasts to the community.

PHELPS HALL, constructed in 1955, is a food service building which provides the largest dining room on campus with seating available for 800 if needed. At the rear of this building is a faculty lounge and faculty dining room in addition to three private dining rooms that are used for banquets. Alumni Lounge, on the South side, is used as an art gallery and for special meetings.

Two wings on the building provide a snack bar, rooms for student government and student publications, and offices for the counseling staff and residence programs.

THE HUB, along with Phelps Hall, serves as The College Union. Formerly a building for the industrial arts department, this student center is designed to provide out-of-class activities for the students' personal, social, and cultural development. Facilities in THE HUB include lounges, recreation areas, seminar rooms, snack area, a game room equipped for ping-pong, shuffleboard, billiards, and a TV area. THE HUB, which was converted and equipped by students and faculty, also houses offices for student activities, college union personnel, and the calendar office.

ALUMNI CHAPEL of modern design was presented to the college by the alumni association in 1960. It serves all students, regardless of denomination, who wish a quiet place for contemplative meditation.
BRAY HALL, in which Music Department activities are centered, was completed in 1963. It features a recital hall, a rehearsal hall, individual practice rooms, classrooms, music library and a record listening room, as well as faculty offices.

The SCIENCE-MATH BUILDING was completed in 1963. A planetarium, a lecture hall, science laboratories and classrooms of various sizes are included in this three-story structure.

A CHILD STUDY AND DEMONSTRATION CENTER, Operation Insight, is located in a frame building overlooking Lake Ceva. This Center was established in 1966 by a successful Ewing Township application for funds from Title III of the Elementary and Secondary Education Act with the cooperation of Mercer County public school systems and Trenton State College. It features a full clinic staff and video-tape recording equipment, serving as a pre-service and in-service training center for teachers.

RESIDENCE HALL facilities for men include Bliss Hall and Ely House. Residence facilities for women include Allen, Brewster, Norsworthy, Centennial and Decker Halls. Decker Hall is a six-story structure for 300 women and features lounges, dining rooms and guest rooms. A new residence hall for 300 girls will open in Fall 1967 and a 500 student residence hall with food service and student lounge facilities is being planned.

A FOUR-STORY EDUCATIONAL CENTER, featuring three lecture halls, an instructional media center, child study clinic, classrooms of various sizes, seminar rooms and more than 100 faculty offices will be completed in 1969.

ACCREDITATION

Trenton State College is fully accredited by the New Jersey State Board of Education, the Middle States Association of Colleges and Secondary Schools and the National Council for Accreditation in Teacher Education.

It holds membership in the American Association of Colleges for Teacher Education, the American Association of University Women, the Association of State Colleges and Universities, the International Council on Education for Teaching, the Middle States Association of Colleges and Secondary Schools, the National Council for Accreditation of Teacher Education, the New Jersey Association of Colleges and Universities, and the One Hundred Year Association of New Jersey, Inc.
GENERAL INFORMATION

PARKING REGULATIONS
Summer Session students must park automobiles in parking area "A" located near the football field at the main entrance to the campus. Student cars may not be parked along roadways or in areas reserved for faculty or visitors.

CLASS DAYS AND HOURS
June 26-August 4

Morning class meetings are scheduled Monday through Friday and on Saturday, July 8.

1st Period 8:30-9:20
2nd Period 10:00-11:20
3rd Period 11:30-12:50

Evening class meetings are scheduled on Monday, Tuesday, Thursday, and on Wednesday, July 5.

5:15-7:30
6:00-8:45
7:45-10:00

Courses for the graduate music program normally meet as follows:

1st Period 8:30-9:20
2nd Period 9:30-10:20
3rd Period 10:30-11:20
4th Period 11:30-12:20

COURSE PREREQUISITES
Students will not be permitted to register in courses unless they have completed the prerequisites as noted in the course descriptions. Students who do not have the necessary prerequisites for courses in which they are enrolled must withdraw from the class.

COURSE CANCELLATION AND ASSIGNMENT OF INSTRUCTORS
The College reserves the right to close registration for courses without previous announcement, to withdraw any courses for which there are not sufficient registrations, and to assign or reassign instructors as needed. In the event that the minimum number of registrations have not been completed, the class will be cancelled and those who have registered will be notified immediately. For this reason it is imperative that the information on the registration card (X-100) be complete and accurate.

COURSE NUMBERING
A course numbering system has been developed for all courses in the various departments and curricula. Courses are numbered in the following manner:

100.—Freshmen
200.—Sophomore
300.—Junior
400.—Senior
500.—Graduate (or Seniors with permission)
600.—Graduate Only

Graduate students may make their course selection from courses numbered in the 500 and 600 series only. With written permission of the advisor, graduate students may select a maximum of six semester hours from courses numbered in the 300 and 400 series.
Each department has a code number assigned.

<table>
<thead>
<tr>
<th>Department</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>10</td>
</tr>
<tr>
<td>Business Education</td>
<td>11</td>
</tr>
<tr>
<td>Economics</td>
<td>12</td>
</tr>
<tr>
<td>Education</td>
<td>13</td>
</tr>
<tr>
<td>English</td>
<td>14</td>
</tr>
<tr>
<td>Geography</td>
<td>15</td>
</tr>
<tr>
<td>Political Science</td>
<td>16</td>
</tr>
<tr>
<td>Health and Physical Education</td>
<td>17</td>
</tr>
<tr>
<td>History</td>
<td>18</td>
</tr>
<tr>
<td>Industrial Education and Technology</td>
<td>19</td>
</tr>
<tr>
<td>Library Science</td>
<td>20</td>
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<tr>
<td>Mathematics</td>
<td>21</td>
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<tr>
<td>Modern Languages</td>
<td>22</td>
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<tr>
<td>Music</td>
<td>23</td>
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<tr>
<td>Philosophy</td>
<td>24</td>
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<tr>
<td>Psychology</td>
<td>25</td>
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<tr>
<td>Science</td>
<td>26</td>
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<tr>
<td>Sociology</td>
<td>27</td>
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<tr>
<td>Speech</td>
<td>28</td>
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<tr>
<td>Special Education</td>
<td>29</td>
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<tr>
<td>Distributive Education</td>
<td>31</td>
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</tbody>
</table>

**TUITION AND FEES**

The following rates are in effect:

### New Jersey Residents or Non-Residents Teaching in N. J.

<table>
<thead>
<tr>
<th>($16.50 per Semester Hour)</th>
<th>Total Cost (Includes Registration fee of $2.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Semester Hours</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>$35.00</td>
</tr>
<tr>
<td>3</td>
<td>51.50</td>
</tr>
<tr>
<td>4</td>
<td>68.00</td>
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<tr>
<td>5</td>
<td>84.50</td>
</tr>
<tr>
<td>6</td>
<td>101.00</td>
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</tbody>
</table>

### Out-of-State Residents

<table>
<thead>
<tr>
<th>($18.50 per Semester Hour)</th>
<th>Total Cost (Includes Registration fee of $2.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Semester Hours</td>
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</tr>
<tr>
<td>2</td>
<td>$39.00</td>
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<tr>
<td>3</td>
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<td>4</td>
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<tr>
<td>5</td>
<td>94.50</td>
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<tr>
<td>6</td>
<td>113.00</td>
</tr>
</tbody>
</table>

Tuition is computed by multiplying cost per semester hour credit by total number of semester hours and adding the $2.00 registration fee.

Students must make payment of tuition and fees at the time of registration by check, money order or cash. Checks and money orders are to be made payable to Trenton State College.

$5.00 Late registration fee to be paid by students who change courses or register during late registration period.

$5.00 Payable only by check or money order, fee for application for matriculation in undergraduate or graduate programs. Students who change their curriculum major, thereby requiring a reevaluation of records, must pay an additional $5.00 fee.

$60.00 Student teaching fee to be paid by students who register for 413.97, Seminar in Supervised Teaching.

Courses listed as “Private Applied Study” carry a minimum fee of $110.00. This fee covers 15 private lessons with an “Artist-Teacher” for two semester hours credit. Some of these Artist-Teachers listed have an established fee in excess of $110.00. In order to keep the fee consistent with the personal policy of each Artist-Teacher, Private Applied Study will, on occasion, exceed the minimum of $110.00.
WITHDRAWAL FROM COURSES AND REFUND OF TUITION

The following schedule of tuition refunds for withdrawal from courses in the Field Services Division has been approved by the State Board of Education. Refunds will be computed based on the date the withdrawal request reaches the Summer Session Office.

<table>
<thead>
<tr>
<th>Tuition</th>
<th>Service Charges</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>60%</td>
<td>60%</td>
</tr>
<tr>
<td>30%</td>
<td>30%</td>
</tr>
<tr>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

A STUDENT WHO WITHDRAWS FROM A COURSE MUST GIVE WRITTEN NOTICE OF WITHDRAWAL TO THE DIRECTOR OF THE SUMMER SESSION. STUDENTS WHO NEGLECT TO FOLLOW THIS PROCEDURE WILL RECEIVE A FAILING MARK FOR THE COURSE OR COURSES WHICH THEY CEASE TO ATTEND.

CHANGE IN PROGRAM

Changes in courses can be made only during the late registration period. Course changes will be subject to the late registration fee.

ATTENDANCE

Students are presumed to have a seriousness of purpose toward college work and toward their professional objective. They are expected to attend all class sessions of courses for which they are registered.

Absence from class is sometimes unavoidable because of illness, urgent personal reasons, and other conflicts. Such absences are handled on an individual basis.

CREDIT LOAD

Students may carry a maximum of six semester hours credit during the regular summer session. Written permission to enroll for more than six semester hours must be obtained from the Summer Session Office.

Course credit will not be granted for duplication of courses. The responsibility for duplication of courses rests with the student. Concurrent enrollment in colleges and universities in excess of six semester hours may result in loss of course credit.

COURSE AUDITING POLICY

Students desiring to audit courses must first obtain permission from either the Field Services Office or the Graduate Studies Office. Since only a limited number of auditors can be accommodated, only students presenting bona fide reasons will be granted this privilege. Students permitted to audit a course must register and pay the normal tuition and fees. The instructor will be informed by the Field Services Office or the Graduate Studies Office about students in his class who have auditor status. It shall be the prerogative of the instructor to determine the degree of class participation that an auditor may be permitted in his particular class. No credit will be given for courses audited. A student who audits a course will receive a grade report indicating the title of the course and marked (Audit—No Credit). The same information will be posted on the student’s permanent record card.

GRADES

Approximately three weeks after the completion of the Summer Session the student will receive a grade report. The grade report bears
the seal of the college and may be forwarded to the County Superintendent of Schools as evidence of completion of certification requirements.

The final grades are reported at the end of the semester by letter symbols:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Equivalent</th>
<th>Audit—No Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
<td>F—No Credit</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
<td>Inc.—Incomplete Work</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
<td>WP—Withdrawn, Passing</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
<td>WF—Withdrawn, Failing</td>
</tr>
</tbody>
</table>

To convert the “Incomplete” mark to an acceptable letter grade, the student must fulfill course requirements not later than the date stipulated by the instructor, or the grade automatically becomes an F.

A grade point average of 2.00 or “C” is required for graduation.

CONTINUED ENROLLMENT IN UNDERGRADUATE COURSES

A student must maintain a cumulative point average of 2.0 during the first 12 semester hours of course work to be eligible to continue to enroll in the Field Services Division. Any student whose cumulative point average is less than 2.0 after the completion of 12 semester hours will be subject to review by the Committee on Academic Progress for a decision as to retention.

APPLICATION FOR CONFERMENT OF DEGREE

Candidates must file for conferment of the degree with the Field Services Division by February 1 for June commencement, and by June 1 for August commencement of the college year in which the work is to be completed. Application blanks may be secured from the following offices:

1. Master of Arts Candidates—Graduate Study Office
2. Bachelor of Arts Candidates—Field Services Office

TRANSCRIPT OF CREDIT

Students desiring a transcript of credit for courses completed should write to the Registrar, Trenton State College, Trenton, New Jersey 08625, and include the following:

1. Full Name (Include maiden name)
2. Address
3. Dates of attendance (Inclusive)
4. Date of graduation
5. Name and address to whom transcripts should be mailed
6. $1.00 for each transcript requested
ADMISSION

FIRST ENROLLMENT IN UNDERGRADUATE COURSES

The following may enroll in courses in the Field Services Division:

1. High school graduate from an accredited or approved high school
2. Holder of a New Jersey High School Equivalency Certificate
3. Transfer student
4. College graduate

A student dismissed from a college or university will not be permitted to enroll in course work in the Field Services Division for a period of one year from the date of dismissal. Students who have been dismissed from Trenton State College must present written permission from the Dean of Instruction to enroll in Field Services Division courses. Students who have been dismissed from another institution prior to one year ago will be subject to committee review.

ADMISSION TO GRADUATE COURSES

Each applicant must complete Form G500b, Application for Admission to Graduate Study, in duplicate before registering for his first graduate course. The forms and other information may be obtained from the Office of Graduate Study.

MATRICULATION

Enrollment does not guarantee matriculation for any degree offered by the college. Records of non-degree students will be marked Non-Matriculated. Students planning to enroll in a degree program should refer to the section on Matriculation.

REGISTRATION

Registration for undergraduate courses may be completed by registering in person at Green Hall on campus or through mail registration. Students registering for graduate courses must register in person.

METHODS OF COMPLETING REGISTRATION

1. Registering in Person

This procedure is recommended, especially for students who are in need of advisement in course selection to meet degree or certification requirements. Students wishing to register in person must do so at Green Hall on the college campus. See calendar in front of catalog for dates and times.

Graduate advisers will be available on dates specified in calendar.

The payment of fees is a part of registration. Complete payment is required at the time the student registers. Student advisement may be accomplished more readily if the following data are presented during registration:

a. Statement of Matriculation issued to students by the college.

b. Statement of Eligibility from County Superintendent of Schools or State Department of Education.

2. Registering by Mail (undergraduate courses only)

Persons wishing to complete registration without appearing in person at the college campus may do so by utilizing the convenient mail registration form (X-100).
a. Detach registration card (X-100) from last page of college catalog.
b. Complete both sides of registration card accurately including class number, course number, title, semester hours, time, day, and location. Be sure to include zip code with your address.
c. Mail the registration card to: Field Services Office, Trenton State College, Trenton, New Jersey 08625.
d. Be sure to enclose check or money order only (payable to Trenton State College) for the exact amount of tuition and fees.
e. Upon receipt of registration card and remittance a class admission card will be mailed to the registrant. The class admission card must be submitted to the instructor at the initial class meeting of the course.
f. Mail registrations will not be honored or accepted if received after close of mail registration period.

LATE REGISTRATION

Persons registering during the late registration period are subject to a late registration fee of $5.00. Students registering late must include the late fee with the payment of tuition and fees.

VETERANS

Any questions concerning veteran’s benefits should be directed to Mr. Sidney Murdock (Ext. 210) in the Field Services Office.

Veterans and children of veterans wishing to enroll for benefits should be prepared to pay all fees and educational costs at the time of registration. An educational allowance is paid directly to the student provided he has secured proper entrance authorization and maintains satisfactory standing in his class. The total amount of payment depends upon the semester hour load and the number of dependents. The first payment will normally be received sixty to seventy-five days after the first day of classes. To be reimbursed by the Veterans Administration the student must:

1. Obtain V.A. Form 21E 1990, Veteran’s Application for Program of Education, from the Field Services Office. Fill it in and mail to:
   V.A., 20 Washington Place, Newark, N. J.
2. The V.A. will mail you two copies of a certificate of eligibility (V.A. Form 1993).
3. Send both copies to Mr. Murdock, in the Field Services Office.
4. At registration, veterans must designate on the registration card that they intend to receive benefits from the V.A. during the term for which they are registering. FAILURE TO DESIGNATE THIS FACT WILL RESULT IN NO PAYMENT FOR THAT TERM.
5. A brief guide sheet (Form 67) is available in the Field Services Office to help veterans. Please obtain a copy when you register.
SPECIAL SERVICES

RESIDENCE HALLS

APPLICATION FORMS FOR ROOM RESERVATIONS MAY BE OBTAINED FROM THE SUMMER SESSION OFFICE, GREEN HALL

ARRANGING FOR ACCOMMODATIONS

Accommodations for men and women students will be available in college residence halls. Advance reservation for rooms is requested. If application forms, accompanied by payment in the exact amount, are received before Thursday, June 15, the student will receive a room assignment by mail. If no advance reservation is made, there may be a two-day period at the start of the Summer Session before a room can be assigned. A check, or money order, in the exact amount payable to Trenton State College, must be mailed with the reservation form to the Summer Session Office.

RESIDENCE HALL FEES

The cost of room and board (3 meals a day, 7 days a week) in the residence halls will be $136.32 for the entire six-week Summer Session, June 25-August 4. The charge for a single week or part of a week beginning on any Sunday will be $22.72.

PERIOD OF SUMMER OCCUPANCY

Residence halls will be open for Summer Session at 4:00 P.M., Sunday, June 25. Rooms will be ready for occupancy at that time. Residence halls will close on Friday, August 4 at 7:30 P.M.

REFUNDS FOR ROOM AND BOARD

The policy concerning refund of residence hall charges is available upon request from the Housing and Food Services Office in Green Hall.

ACCOMMODATIONS AND FURNISHINGS

College residence halls have a few single rooms and many more larger ones designed for double occupancy. Insofar as possible, requests for single rooms will be honored. In all halls, the college will furnish bed linen. Each student should bring his own towels, face cloths, bedspread and drinking glass.

RESIDENCE HALL REGULATIONS

The privilege of occupying a residence hall room is given only to the person to whom the room is assigned. A key deposit of $2.00 is charged and is refundable upon return of the key.

Animals may not be kept in residence halls.

Alcoholic beverages are not permitted on campus.

Hot plates or self-contained cooking units, irons and cooking utensils may not be used in residence hall rooms. Each residence hall has a kitchen for the use of residents for the preparation of snacks.

Television sets, radios, etc., with outside connections are not permitted.

The use of air conditioners is not permitted. Fans may be used only after approval by the college electrician at the residence hall office.

The college does not assume responsibility for loss or damage to personal property of students living in residence halls.

Residents will be held responsible for all damage or defacement to residence halls and residence hall equipment.
RESIDENCE HALL GUESTS

Arrangements for overnight guests in residence halls should be made at the residence hall office before 3 P.M. on the particular date. The charge to guests is $1.50 per night.

DINING HALL

The first meal served to residents will be supper on Sunday, June 25. The last meal served will be dinner on Friday, August 4.

All campus residents are charged for meals. Commuters may purchase single meals in the Dining Hall. The college dining hall is not organized to provide special diets.

DINING HALL MEAL SCHEDULE

<table>
<thead>
<tr>
<th>Weekdays</th>
<th>Sundays</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breakfast</td>
<td>Breakfast</td>
</tr>
<tr>
<td>7:30-8:00</td>
<td>8:00-8:30</td>
</tr>
<tr>
<td>Lunch</td>
<td>Dinner</td>
</tr>
<tr>
<td>12:00-1:15</td>
<td>12:30-1:00</td>
</tr>
<tr>
<td>Dinner</td>
<td>Supper</td>
</tr>
<tr>
<td>5:15-6:15</td>
<td>5:15-6:15</td>
</tr>
</tbody>
</table>

SNACK BAR

Snack Bar service will be available. Hours will be determined according to the needs of students.

RECREATION

The campus at Hillwood Lakes provides ample facilities for recreation and social activities. Tennis courts are available for recreation and instruction.

The college pool will be open daily, except Sunday, during such hours as will accommodate groups of students who are interested in swimming. A lifeguard will be in charge at this time.

Every person using the pool must be approved by the college physician who will make a check on heart, respiratory tract, eyes, ears, and skin.

A schedule of recreation activities will be published for the Summer Session.

COLLEGE STORE

Services of the college store are available to Summer Session students. The college store is located in the basement of Green Hall.

The business hours are:
- Monday-Friday 8:30 A.M. to 4:30 P.M.
- Closed all day Saturday.
- Evening hours: 5:00-8:00 P.M.

PLACEMENT SERVICES

The placement services of the college are available to students in the Field Services Division. Students desiring services of the college in securing a teaching position should submit their request to the Director of Student Teaching, Placement, and Follow-Up.

THE COLLEGE LIBRARY

The college library is housed in a beautiful building, erected in 1931. It was renamed Roscoe L. West Library in June 1957, to honor President West at the time of his retirement and to recognize his special interest in the development of the library.

Under the College Bond Issue of 1959 funds were provided to permit a remodeling of the building to assure the growing institution of sufficient library facilities. This remodeling operation formed the first step in the whole college building program and was completed in February 1961.

In recent years the urgent need for further expansion of the library facilities became evident. In 1966 the State of New Jersey set aside
$2,100,000 to finance construction of a large library annex. The annex will triple the present seating capacity to about 1,500 including many individual carrels, and double the stack space to accommodate 300,000 volumes; the entire library complex will be air conditioned. Completion of the annex is expected in 1968-69.

In every sense, the library occupies a central position in the life of the college. The services and facilities of the library are vital for carrying out the aims of the institution. The library serves as a major resource for all college courses and provides the essential literature for graduate work in various areas. For all these reasons, the per capita circulation of books and other reading materials is very high.

Twelve professional librarians and other assistants are ready to help faculty members and students in the use of the total collection of approximately 150,000 volumes. It includes an exceptionally rich and up-to-date reference collection of more than 12,000 volumes in the Horace Mann Room and adjacent John F. Kennedy Room. Systematic efforts have been made in recent years to acquire works of the highest quality in the areas represented in the curriculum and to give Trenton one of the strongest college library collections in the State. The library subscribes to more than a dozen daily newspapers and receives about 1,000 magazines, indexes, and services; there are 12,000 bound periodical volumes. The library maintains a file of pamphlets, clippings, and pictures amounting to approximately 20,000 items. The collection of filmstrips exceeds 800. More than 3,000 carefully selected records in the fields of music, drama, poetry, and foreign languages are available for listening in the library and for outside loan. A high-fidelity record player may be used by individuals and classes in the listening room. The library has several microfilm and microprint readers and provides the New York Times on microfilm beginning with its first issue in 1851.

The library has been the beneficiary of the extraordinary generosity of the late Charles A. Philhower '02, and of his late wife, Alice Edna Haynes Philhower '00. They gave to the library a collection of almost one thousand rare books, primarily on the history of New Jersey, thereby adding greatly to the strength of the special collection in that field which the staff had built up over the years. Thanks to the munificence of Mr. Sol Feinstone of Washington Crossing, Pa., the library is developing a collection of manuscripts and documents on the Revolution of 1776. The library possesses also a collection on the history of American education, containing many old and rare titles.

WIDE RESOURCES

A particular effort is made to acquire the best in children's literature and a representative cross-section of modern elementary and secondary textbooks. In June 1957, the student body established the Roscoe L. West Book fund, which now amounts to $5,190. This fund is used to acquire works of enduring value; the first three purchases were Arnold J. Toynbee's famous twelve-volume set "A study of History," Thomas Jefferson's "Papers," and Abraham Lincoln's "Collected Works," in the most recent scholarly editions. Other major acquisitions from the fund include the Variorium edition of Edmund Spenser's writings, the new editions of Alexander Hamilton's and James Madison's Papers, Walt Whitman's "Collected Writings," the Encyclopedia of Philosophy, the revised Encyclopedia of Islam, and several other landmarks in the field of comparative religion. The library has also received many other significant gifts in recent years; e.g., a generous donation from the Student Executive Board in memory of President John F. Kennedy which has been used for major purchases in the field of American history. The Newman Club recently enabled the library to acquire the New Catholic Encyclopedia.

All these resources are accessible to faculty and students during the regular hours; service is given 88½ hours per week. The "open stacks" system is designed to encourage the habit of using books freely. Self-education, lying beyond the limits of classroom teaching and specific
assignments, depends largely on the extensive and discriminating reading of thought-provoking books. Today's student who wants to meet current professional demands and to be a leader in his community must be aware of all available library resources and be able to explore them intelligently. With this purpose in mind, the library staff carries out a comprehensive instructional program which introduces students to the effective use of the collection. As a part of Freshman Orientation, several carefully planned meetings with staff members provide a good start for students in developing needed skills in library use. Prior to student teaching, library staff members meet students to instruct them in additional reference tools when needed. Staff members also give lectures to classes whenever instructors request them. A senior member of the staff teaches regularly the course on bibliography and research methods for graduate students. The library pays ever-increasing attention to their specific demands. The bibliographic facilities include, e.g., the catalog of the Library of Congress with its five-year author and subject supplements.

Constant efforts are made to stimulate browsing and to broaden and deepen reading interests. Comfortable places have been arranged in the library for leisurely reading. Displays are frequently changed to arouse interest and supply information on timely topics. The library regularly issues lists of new accessions and frequently other reading lists, among them comprehensive annotated bibliographies.

Library hours for the Summer Session are as follows:

**Monday through Thursday**
- 8:15 a.m. - 4:30 p.m.
- 6:00 - 9:30 p.m.

**Friday**
- 8:15 a.m. - 4:30 p.m.
- 7:00 - 9:00 p.m.

**Saturday**
- 8:15 - 1:00 p.m.
BACHELOR OF ARTS DEGREE PROGRAMS

The Field Services Division offers baccalaureate degree programs in:

- Elementary Education
- Industrial Arts
- Music Education
- School Nursing (not available to new students)

The Field Services Division does not guarantee to offer all degree courses in sequence but will make every effort to do so upon sufficient demand.

Students planning to pursue a bachelor's degree at the college should apply for matriculation and send credentials to:

Division of Field Services
Trenton State College
Trenton, New Jersey 08625

MATRICULATION APPLICATION

High School Graduates

A qualified high school graduate from an accredited high school, or the holder of a New Jersey High School Equivalency Certificate, may apply for matriculation by (1) completing an Application for Matriculation, (2) payment, by check, of a $5.00 fee, and (3) submitting high school transcript or equivalent.

The student will be considered Non-Matriculated until all matriculation requirements have been fulfilled.

Transfers

Students who have satisfactorily completed academic work in other accredited colleges may apply for matriculation with transfer of credit by (1) completing the Application for Matriculation, (2) supplying an official transcript of record (to be sent directly from the institution(s) concerned at the request of the student), (3) submitting a copy of the official catalog of the institution(s) from which the courses are being transferred, and (4) payment, by check, of a $5.00 fee.

An evaluation of the official transcript will be made in terms of the requirements of this college for the baccalaureate degree in the major field of specialization desired. The applicant will be informed of the transcript evaluation.

a. No credit will be allowed for courses in which grades of D, F, or Incomplete (or their equivalents) have been recorded.

b. No correspondence courses will be accepted for transfer of credit, nor will such courses be applied toward any degree offered by the college.

Student records will be marked Non-Matriculated until such time as all requirements for matriculation have been met.

Normal School Graduates

Graduates of two- or three-year normal schools may apply for matriculation by (1) completing an Application for Matriculation, (2) payment, by check, of a $5.00 fee, and (3) submitting an official transcript of record.

A determination of the departmental course requirements and State certification requirements which have been met by the normal school courses will be made from the official transcript of the normal school work. Any courses required by the department and/or college for the bacca-
laureate degree which were not included in the normal school courses must be completed satisfactorily before the degree will be awarded. The applicant will be informed of the evaluation and advanced standing.

Graduates of the two-year normal schools will be granted sixty-four semester hours of credit toward the baccalaureate degree; graduates of the three-year normal schools will be granted ninety-six semester hours of credit toward the baccalaureate degree; provided that they have earned a diploma from the normal school and are eligible for a New Jersey teacher's certificate in the field in which the degree is to be conferred.

Graduates from New Jersey two- or three-year State Normal Schools will be granted matriculation for the baccalaureate degree at the time they have been accepted for admission to courses in the Field Services Division.

Graduates from normal schools in other states may be required to meet the matriculation requirements established.

**MATRICULATION REQUIREMENTS**

Students will be considered for matriculation at such time as the requirements listed below have been fulfilled:

1. **Semester Hours**
   a. At least twelve semester hours of credit, as indicated below, must have been earned at Trenton State.
   b. Complete twelve semester hours of courses in General Education including: Language and Communication; Foundations of Mathematics; European Age to 1900 or 20th Century World; and a General Education science course.
   c. At least a "C" average in these courses must have been maintained.

2. **Examinations**
   The college reserves the right to require a matriculation examination of any student admitted to the college if there is any question as to the ability of the student to do high quality college level academic work, or his aptitude for teaching.

   Students admitted to the college will not be required to meet the examination requirements, as a general rule.

3. **Deadline**
   Matriculation requirements for the baccalaureate degree earned in the Field Services Division must be completed before ninety semester hours of credit have been earned either by transfer of credit or by courses taken under the direct auspices of the college, or both.

   Students will be officially notified that they are approved candidates for the baccalaureate degree.

**Transfers**

In addition to the above requirements students who are transfers must meet the following:

1. Have a cumulative grade point average of at least a 2.00 (C). (No applicant will be matriculated with transfer of credit who was not in good academic standing at the college from which credits are being transferred at the time of the issuance of the transcript.)

2. Academic record in the institution from which credits are being transferred should indicate that student could meet academic requirements of the department in the major field of specialization at Trenton State.

**GRADUATION REQUIREMENTS**

In order to be eligible for graduation with the Bachelor of Arts degree candidates are required to:

1. Complete specific requirements as listed in curriculum outlines and courses of study
(2) Complete at least 128 semester hour credits
(3) Complete at least thirty-two (32) semester hours of academic credit at this college
(4) Complete at least twenty-four (24) of the last thirty-two (32) hours in on-campus courses
(5) Complete the course Seminar in Supervised Teaching
(6) Maintain a cumulative grade point average of 2.00 (C).

TRANSFER TO DAY PROGRAM

Admission or matriculation in the Field Services Division does not guarantee acceptance or matriculation in another division of the college. Students interested in transferring to the day program must follow procedures established by the Office of Admissions. Students in the day program must (1) be residents of New Jersey, (2) enroll for a full program, (3) pursue a Bachelor of Arts degree, (4) fulfill such other requirements as must be met by all transfer candidates. Inquiries related to transfer should be made at the Office of Admissions.

Undergraduate curricula in the day program and Field Services Division, in general, have the same course requirements in the area of General Education. These courses are listed in the Field Services catalog. Courses taken by a student in the Field Services Division for transfer are selected according to his judgment. Course advisement cannot be given for the day program or for degrees not offered in the Field Services Division.

OUTLINE OF UNDERGRADUATE CURRICULUMS

BACHELOR OF ARTS DEGREE IN SCHOOL NURSING

(Not Available to New Students)

I. GENERAL EDUCATION .................................................. 30 S.H.
   A. Language and Communication ................................. 6 S.H.
      114.01 Language and Communication
      125.01 Fundamentals of Speech
   B. Social Studies ...................................................... 6 S.H.
      118.03 European Age to 1900
      118.06 Twentieth Century World
   C. Humanities ......................................................... 8 S.H.
      Literature
      214.01 World Literature I
      214.02 World Literature II
      Music or Art (Choose one)
      123.01 Survey of Music Literature
      123.20 Music Fundamentals
      110.01 Pictorial and Ceramic Art
      110.05 Graphics and Sculpture
      210.05 Ceramics
   D. Science and Mathematics .................................. 6 S.H.
      Mathematics
      121.01 Foundations of Mathematics
      Science (Choose one)
      126.20 Geology
      126.25 Meteorology
      126.10 Descriptive Astronomy
      126.01 Introduction to Physics
E. Health ............................................. 4 S.H.
  317.03 Leisure and Fitness
  425.01 Psychology of Mental Health

II. BASIC PROFESSIONAL ................................. 9 S.H.
  225.01 Human Development and Behavior I
  225.02 Human Development and Behavior II
  (Choose one of the following)
  313.60 Development of Educational Thought
  413.40 Teacher in School and Community

III. SPECIALIZATION AND PROFESSIONAL ............... 23 S.H.
  413.65 Principles and Practices of Education
  417.70 Curriculum Construction and Content in Health and Safety
  417.80 Hearing Conservation for School Nurses
  417.60 School Health Services I
  417.61 School Health Services II
  417.65 Principles of Public Health Nursing
  417.78 Professional Experience I
  417.79 Professional Experience II
  327.60 Casework in Family Living
  417.81 Health Counseling

IV. ELECTIVES ........................................... 6 S.H.
  313.60 Development of Educational Thought
  413.40 Teacher in School and Community
  325.16 Developmental Psychology
  417.71 Curriculum Construction and Methods of Teaching Health and Safety
  417.75 Organization and Administration of School Health and Safety Programs
  413.91 Alcohol and Narcotic Education Workshop

TOTAL ............ 68 S.H.

V. GRADUATION FROM AN ACCREDITED SCHOOL OF NURSING AND EVIDENCE OF REGISTERED NURSE CERTIFICATION .......... 60 S.H.

Total Requirements for Bachelor of Arts Degree ................. 128 S.H.

BACHELOR OF ARTS DEGREE IN SCHOOL NURSING AND HEALTH EDUCATION

(Not Available to New Students)

I. GENERAL EDUCATION .................................. 30 S.H.
  A. Language and Communication .......................... 6 S.H.
     114.01 Language and Communication
     128.01 Fundamentals of Speech
  B. Social Studies ..................................... 6 S.H.
     118.03 European Age to 1900
     118.06 Twentieth Century World
  C. Humanities ......................................... 8 S.H.
     Literature
     214.01 World Literature I
     214.02 World Literature II
Music or Art (Choose one)
123.01 Survey of Music Literature
123.20 Music Fundamentals
110.01 Pictorial and Ceramic Art
110.05 Graphics and Sculpture
210.05 Ceramics

D. Science and Mathematics ......................... 6 S.H.
Mathematics
121.01 Foundations of Mathematics

Science (Choose one)
126.20 Geology
126.25 Meteorology
126.10 Descriptive Astronomy
126.01 Introduction to Physics

E. Health .................................................. 4 S.H.
317.03 Leisure and Fitness
425.01 Psychology of Mental Health

II. BASIC PROFESSIONAL ............................... 9 S.H.
225.01 Human Development and Behavior I
225.02 Human Development and Behavior II

(Choose one of the following)
313.60 Development of Educational Thought
413.40 Teacher in School and Community

III. SPECIALIZATION AND PROFESSIONAL .......... 29 S.H.
413.65 Principles and Practices of Education
417.70 Curriculum Construction and Content in Health and Safety
417.71 Curriculum Construction and Methods of Teaching Health and Safety
417.80 Hearing Conservation for School Nurses
417.60 School Health Services I
417.61 School Health Services II
417.65 Principles of Public Health Nursing
417.78 Professional Experience I
417.79 Professional Experience II
327.60 Case Work in Family Living
417.81 Health Counseling
413.03 Student Teaching or
413.96 Student Teaching

IV. GRADUATION FROM AN ACCREDITED SCHOOL OF NURSING AND EVIDENCE OF REGISTERED NURSE CERTIFICATION ................................................. 60 S.H.

Total Requirements for Bachelor of Arts Degree ......... 128 S.H.
BACHELOR OF ARTS DEGREE IN ELEMENTARY EDUCATION

I. BASIC GENERAL EDUCATION .............................................. 48 S.H.

A. Language and Communication ............................... 6 S.H.
   114.01 Language and Communication
   128.01 Fundamentals of Speech

B. Social Studies ....................................................... 12 S.H.
   118.03 European Age to 1900
   118.06 Twentieth Century World
   115.01 Physical Environment and Man
   (Choose one of the following)
   216.05 Principles of American Government
   212.05 The American Economy
   227.01 Community and Society

C. Humanities ......................................................... 12 S.H.
   Art, Industrial Art, Philosophy
   (Choose at least one)
   110.01 Pictorial and Ceramic Art
   110.05 Graphics and Sculpture
   210.05 Ceramics
   119.15 General Industrial Art
   224.01 Philosophical Problems

Music (Choose at least one)
   123.01 Survey of Music Literature
   123.20 Music Fundamentals

World Literature (Choose at least one)
   214.01 World Literature I
   214.02 World Literature II

D. Science and Mathematics ................................. 12 S.H.
   Mathematics (Choose at least one)
   121.01 Foundations of Mathematics (Required)
   121.05 Introduction to Finite Mathematics
   121.10 Business Mathematics
   121.15 Statistics
   121.20 Elementary Mathematical Analysis

   Science (Choose at least one)
   126.01 Introduction to Physics
   126.05 Introduction to Chemistry
   126.10 Descriptive Astronomy
   126.20 Geology
   126.25 Introduction to Meteorology
   126.15 Principles of Biology
   126.16 Principles of Biology

E. Physical and Mental Health .............................. 6 S.H.
   117.05 Personal Health Problems
   425.01 Psychology of Mental Health
   317.03 Leisure and Fitness

II. BASIC PROFESSIONAL EDUCATION .................. 15 S.H.
   225.01 Human Development and Behavior I
   225.02 Human Development and Behavior II
   313.60 Development of Educational Thought
   413.40 Teacher in School and Community
   325.18 Classroom Learning and Evaluation
III. SPECIALIZATION (Professional) .................................................. 33 S.H.
313.80 Elementary School Curriculum
313.02 Teaching Reading in Elementary Grades
313.03 Teaching Arithmetic in Elementary Grades
313.04 Teaching Arts and Crafts in Elementary Grades
313.21 Teaching Music in Elementary Grades
325.05 Child Psychology
313.10 Audio-Visual Education
413.06 Principles and Practices of Elementary Education
413.10 Teaching Health, Safety, and Physical Education in Elementary Grades
413.15 Teaching Language Arts in Elementary Grades
313.06 Teaching Social Studies in Elementary Grades
413.97 Seminar in Supervised Teaching

IV. SPECIALIZATION (Subject Matter) .............................................. 21 S.H.
315.30 Latin America
218.05 Formative Period of the American Nation
218.10 Growth and Expansion of the American Nation
226.03 Biological Science for Elementary Education
226.04 Physical Science for Elementary Education
320.05 Children's Literature and Storytelling
(Choose one of the following)
315.01 Anglo-America, East
315.05 Anglo-America, West

V. ELECTIVES ............................................................................. 11 S.H.
Total Requirements for Bachelor of Arts Degree ................................... 128 S.H.

BACHELOR OF ARTS DEGREE IN INDUSTRIAL ARTS

I. BASIC GENERAL EDUCATION .................................................. 48 S.H.
A. Language and Communication ................................................. 6 S.H.
114.01 Language and Communication
128.01 Fundamentals of Speech
B. Social Studies ........................................................................... 12 S.H.
118.03 European Age to 1900
118.06 Twentieth Century World
(Choose two of the following)
115.01 Physical Environment and Man
216.05 Principles of American Government
212.05 The American Economy
227.01 Community and Society
C. Humanities ............................................................................... 12 S.H.
Music (Choose one)
123.01 Survey of Music Literature
123.20 Music Fundamentals
World Literature
214.01 World Literature I
214.02 World Literature II
Industrial Arts
119.20 Graphic Arts
119.25 Creative Design
D. Science and Mathematics ....................................................... 12 S.H.
Mathematics
121.01 Foundations of Mathematics
121.20 Elementary Mathematical Analysis
Science (Choose two of the following)
126.01 Introduction to Physics
126.05 Introduction to Chemistry
126.10 Descriptive Astronomy
126.20 Geology
126.15 Principles of Biology
126.16 Principles of Biology
126.25 Introduction to Meteorology

E. Physical and Mental Health
117.05 Personal Health Problems
425.01 Psychology of Mental Health
317.03 Leisure and Fitness

II. BASIC PROFESSIONAL EDUCATION
225.01 Human Development and Behavior I
225.02 Human Development and Behavior II
313.60 Development of Educational Thought
413.40 The Teacher in School and Community
325.16 Developmental Psychology

III. SPECIALIZATION
A. Subject Matter
119.02 Basic Woodworking
119.05 Graphic Representation
219.01 General Metals I
219.03 Power Mechanics I
219.06 Machine Drawing
219.12 General Crafts
219.16 Basic Electricity
319.03 Architectural Design and Drafting
319.10 Production Methods

B. Professional
113.01 Orientation to Industrial Arts Education
213.30 Methods of Teaching Industrial Arts I
313.45 Methods of Teaching Industrial Arts II
413.50 Instructional Aids in Industrial Arts
413.97 Seminar in Supervised Teaching

C. Professional Electives (Select I. A. Courses)

IV. UNRESTRICTED ELECTIVES

Total Requirements for Bachelor of Arts Degree

BACHELOR OF ARTS DEGREE IN
MUSIC EDUCATION

I. BASIC GENERAL EDUCATION
A. Language and Communication
114.01 Language and Communication
128.01 Fundamentals of Speech

B. Social Studies
118.03 European Age to 1900
118.06 Twentieth Century World
(Choose two of the following)
212.05 The American Economy
216.05 Principles of American Government
227.01 Community and Society
115.01 Physical Environment and Man
C. Humanities .............................................. 12 S.H.

World Literature
214.01 World Literature I
214.02 World Literature II

Music (Choose at least one)
123.01 Survey of Music Literature
223.15 Music of the Baroque Period

Art, Industrial Art, Philosophy
(Choose at least one)
110.01 Pictorial and Ceramic Art
110.05 Graphics and Sculpture
210.05 Ceramics
119.15 General Industrial Arts
224.01 Philosophical Problems

D. Science and Mathematics ............................ 12 S.H.

Mathematics (Choose at least one)
121.01 Foundations of Mathematics (Required)
121.05 Introduction to Finite Mathematics
121.10 Business Mathematics
121.15 Statistics
121.30 Elementary Mathematical Analysis

Science (Choose at least one)
126.01 Introduction to Physics
126.05 Introduction to Chemistry
126.10 Descriptive Astronomy
126.20 Geology
126.25 Introduction to Meteorology
126.15 Principles of Biology
126.16 Principles of Biology

E. Physical and Mental Health .......................... 6 S.H.

117.05 Personal Health Problems
317.03 Leisure and Fitness
425.01 Psychology of Mental Health

II. BASIC PROFESSIONAL EDUCATION .................. 15 S.H.

225.01 Human Development and Behavior I
225.02 Human Development and Behavior II
313.60 Development of Educational Thought
413.40 Teacher in School and Community
325.16 Developmental Psychology

III. SPECIALIZATION (Professional) ..................... 15 S.H.

213.09 Basic Concepts of Music Education
213.10 Music Education in Grades K-8
313.67 Music Education, High School, Choral
313.69 Music Education, High School, Instrumental
413.97 Seminar in Supervised Teaching

IV. SPECIALIZATION (Subject Matter) .................. 38 S.H.

123.10 Applied Music: Instrumental and Vocal
123.11 Applied Music: Instrumental and Vocal
123.08 Music Perception, Ear Training, and Sightsinging  
123.13 Harmony I  
223.03 Harmony II  
223.04 Harmonic Counterpoint  
323.50 Composition  
323.55 Orchestration  
323.60 Choral Arranging  
323.65 Conducting, Instrumental  
323.70 Conducting, Choral  
423.25 Music Drama  
123.22 Medieval and Renaissance Music  
223.35 Romantic Music: Symphony and Opera  
413.26 Development of Musical Growth  

**Ensemble**  
Band  
Choir  
Chorus  
Orchestra  
or any group generally considered a small ensemble  

**V. ELECTIVES**  

12 S.H.  

**Total Requirements for Bachelor of Arts Degree**  

128 S.H.  

---  

**MASTER OF ARTS DEGREE PROGRAMS**  

Trenton State College offers the following Master of Arts degree programs:  

- Master of Arts in Business Education  
- Master of Arts in Elementary Education (for fully certified teachers)  
- Master of Arts—Certificate Programs (E48 and E38) in Elementary School Teaching  
- Master of Arts—Certificate Programs (EC48 and EC38) in Early Childhood Education  
- Master of Arts—Certificate Programs (S40 and S26) in Secondary School Teaching  
- Master of Arts in Distributive Education  
- Master of Arts in Health and Physical Education  
- Master of Arts in Industrial Education  
- Master of Arts in Mathematics (for fully certified teachers)  
- Master of Arts in Mathematics (non-teaching)  
- Master of Arts in Music Education  
- Master of Arts in Science (for fully certified teachers)  
- Master of Arts in Science (non-teaching)  
- Master of Arts in Social Studies  
- Master of Arts in Special Education (for fully certified teachers)  
- Master of Arts in Student Personnel Services  
- Master of Arts—Certificate Programs (SE32 and SE18) in Special Education  
- Master of Arts—Certificate Programs (SE48 and SE38) in Special Education  
- Master of Arts in Speech and Hearing (for fully certified teachers)  
- Master of Arts—Certificate Programs (SH32 and SH18) in Speech and Hearing (for teachers certified in other areas)
REQUIREMENTS AND PROCEDURES FOR ADMISSION TO GRADUATE STUDY

1. General requirement for admission to graduate study is a Bachelor's Degree from an accredited college or university.

2. Each applicant must complete Form G500c, Application for Admission to Graduate Study, in duplicate before registering for his first graduate course.

REQUIREMENTS AND PROCEDURES FOR MATRICULATION TO A GRADUATE PROGRAM

In order to complete a graduate program leading to the Master of Arts Degree the student must apply for, and be matriculated to, a prescribed program of study. General matriculation requirements for all programs are:

1. A Bachelor's Degree from an accredited college or university.
2. A standard teaching certificate in the field of graduate specialization (except for degree-certificate programs).
3. Two statements of academic and/or professional recommendation.
4. Payment of matriculation fee.

Academic requirements for matriculation to a graduate degree program are:

1. A minimum cumulative undergraduate average of 2.75 or a minimum undergraduate average of 3.0 in the field of graduate specialization.
2. A student whose undergraduate average does not meet minimum requirements is required to take the standardized examination required by his program, and to present scores which will demonstrate his ability to perform competently at the graduate level.

Students interested in a Master of Arts Degree program are urged to apply for matriculation prior to initial registration for graduate work. Matriculation must be completed during the first semester of enrollment except for those students who do not meet the requirements but who may desire to present their applications and supporting evidence to the Matriculation Committee following the Deferred Matriculation procedure as outlined below.

DEFERRED MATRICULATION TO A GRADUATE PROGRAM

A student who does not meet the previously stated requirements for matriculation may apply for matriculation upon the completion of 12 S.H. (at least 6 S.H. in major field, and at least 3 S.H. outside of the major field in either Basic Professional Education or General Education) of graduate work at this institution, provided he can present sufficient evidence to support his application and demonstrate his ability to perform competently at the graduate level. The student will be required to present his application and supporting evidence at a meeting of the Matriculation Committee of the Graduate Council which will review all evidence and make its decision accordingly.

In no instance will more than 12 S.H. of graduate work taken prior to matriculation be credited toward the Master of Arts Degree.
REQUIREMENTS FOR THE DEGREE

1. Semester Hours
   A minimum of 32 S. H. of graduate work applicable to the student's program must be completed with a minimum of 3.0 academic average in order to be eligible for conferment of the Master's Degree. No more than 6 S. H. of work with a grade of "C" will be accepted.

   Grades of "D" may not be applied toward a graduate degree.

   A matriculated graduate student may take a maximum of six semester hours of credit in 300 or 400 courses, with the approval of his General Adviser.

   Under no circumstances, will undergraduate courses taken prior to matriculation be counted toward the Master's Degree.

   As a general rule, six credits of graduate courses appropriate to the student's program may be transferred from other institutions. Exceptions to this regulation must be approved by the Graduate Council.

   Any matriculated candidate who takes at other institutions graduate work for which he expects to receive credit toward the Master's Degree must secure prior written approval of his General Adviser.

   As a general rule, the Master's Degree must be completed within a period of six years from the time the student is matriculated into the program. Requests for extension of time must be approved by the Graduate Council.

2. Independent Study
   The independent study required in the graduate program may be selected from the following options. In each case the student must meet all requirements specified by the Graduate Council. The student must also comply with all special requirements indicated by the major department.

   a. Thesis. The thesis may be in any of the following classifications.
      (1) History and Historiography
      (2) Descriptive Survey Studies
      (3) Developmental and Growth Studies
      (4) Clinical and Case Studies
      (5) Experimental Studies
      (6) Professional Studies

   b. Field Project
      (1) Descriptive Report of Classroom or School Program
      (2) Creative Project
      (3) Development of a Teaching Aid
      (4) Development or Revision of Curriculum Guides or Courses of Study

   c. Seminar
      See individual programs for description.

   d. Demonstration of Professional Competence

3. Registration Policy for Thesis and Thesis Seminar
   a. A graduate student registers once for Thesis Seminar (if such a seminar is a required part of his program).

   b. Following enrollment in Thesis Seminar, a graduate student should enroll in Thesis (Thesis Advisement) for the full number of hours required by his program. This advisement is usually on an individual basis.

   c. If the student does not complete his study at the close of the semester of Thesis Advisement, he should re-enroll in Thesis Advisement for the full number of hours the following semester if he desires this advisement. No student may receive advisement who is not enrolled.
d. The student receives credit toward his degree only for the initial semester in which he has enrolled in Thesis Advisement.

e. The student receives an Incomplete in both Thesis Seminar and Thesis Advisement until he finishes his study. Upon completion of his study, grades are substituted for both Incompletes.

4. Approval of Independent Studies

All topics for Independent Study must be approved by the Graduate Council.

The Supervisor of the candidate's graduate program will recommend a thesis or project committee for each candidate. The Graduate Council will give final approval to the candidate's thesis or project committee.

The Candidate's Thesis Committee will recommend to the Graduate Council the final acceptance of the completed thesis or project. The Graduate Council will issue the final approval.

Candidates are advised to comply with dates published in the Manual of Instructions for Independent Study in Graduate Programs regarding time of completion of theses and projects as well as other requirements.

5. Comprehensive Examination

A terminal comprehensive examination is required in all graduate programs. This examination may be oral, written, or a combination thereof. Each graduate program will acquaint the student with all specific requirements pertaining to the examination. Failure to satisfy these requirements may result in recommendation that the student discontinue his studies at the college. It is possible, however, that upon removal of certain deficiencies revealed by the examination, the student may continue in the program. The exact nature of the requirements for removal of deficiency will be the responsibility of the department involved.

6. Application for Conferment of Degree

Candidates for the Master's Degree must file an Application for Conferment of the Degree with the Graduate Office during the college year in which the work is to be completed. Application forms may be obtained from the Graduate Office. The application is to be submitted in accordance with the dates below:

<table>
<thead>
<tr>
<th>For Graduation in</th>
<th>Submit Form by</th>
</tr>
</thead>
<tbody>
<tr>
<td>June</td>
<td>February 1</td>
</tr>
<tr>
<td>August</td>
<td>June 1</td>
</tr>
</tbody>
</table>

For additional information concerning graduate programs, contact:

Dr. Dorothy Petersen, Chairman, Graduate Study
Trenton State College
Trenton, New Jersey 08625 or Phone 882-1855, Ext. 227.
NEW JERSEY TEACHER CERTIFICATION

CERTIFICATION COURSES

The Field Services Division offers a variety of courses designed to meet certification requirements for teachers, supervisors, and administrators. Students should consult with their Superintendent of Schools, or the County Superintendent regarding specific courses needed to meet certification requirements.

RULES CONCERNING TEACHER’S CERTIFICATION

Every teacher in New Jersey must:

1. Be at least eighteen years old.
2. Be a graduate of an approved high school or have an equivalent education or experience as determined by the State Board of Examiners.
3. Be a citizen of the United States, or have preliminary citizenship status as defined by the law enacted in 1956.

METHODS OF APPLICATION

1. Applicants Who Have Assurance of Employment in the Public Schools of New Jersey

Application for certification by persons who have assurance of employment in the public schools of New Jersey should be made by mail or in person through the office of the county superintendent of schools in the county in which the applicant will teach. The county superintendent’s offices are usually located in the county court house buildings.

2. Applicants Who Do Not Have Assurance of Employment

   a. Application for certification by persons who are residents of New Jersey but who do not have assurance of employment should be made by mail or in person through the office of the county superintendent of schools in the county in which the applicant resides.

   b. Application for certification by persons who are not residents of New Jersey and who do not have assurance of employment should be made by mail directly to the Bureau of Teacher Certification, State Department of Education, 225 West State Street, Trenton, New Jersey 08625.

3. Documents Required for All Certificates

   The following documents must be submitted to the county superintendent of schools with the application for a teacher’s certificate in the manner indicated above. Failure to provide any of these forms may delay the service desired.

   a. Two testimonials as to moral character. They may be in the form of original letter statements, or the county superintendent may supply the form for this purpose.

   b. A physician’s statement that the applicant is in good health and free from any disease or physical defect that might interfere with his success as a teacher. This may be in the form of a letter statement from the physician, or the county superintendent may supply a form for this purpose.

   c. An oath of allegiance, to be taken on a form supplied by the county office or the Bureau of Teacher Certification, as indicated above.

   d. A check or money order for five dollars ($5.00) made payable to “Commissioner of Education.”

   e. Official transcripts of all college credits. A transcript is not official unless it contains the signature of the registrar or other designated officer and the seal of the college or university.
f. An application card supplied by the county superintendent or the Bureau of Teacher Certification, as indicated above.

4. **Statement of Eligibility**

If the applicant does not have assurance of employment, he may apply for a statement of eligibility, which is issued without fee. A statement of eligibility does not authorize service or take the place of a certificate, which must be obtained before entrance into a position, and forwarded to the applicant after it has been recorded in the office of the county superintendent of schools.

The statement of eligibility should be applied for in the manner described in sections 2 and 3 above. All forms required for a certificate, as listed in the above sections, except the fee, must be submitted.

A statement of eligibility is valid for five (5) years. If the holder of the statement of eligibility does not teach in the public schools of New Jersey during the five-year life of the statement, a new letter can be applied for and received if the then existing requirements are met.

5. **Issuance of a Certificate**

Evaluation of credentials submitted in the manner described above will be made by the Bureau of Teacher Certification, and the appropriate certificate or certification report will be issued by the Bureau, under signature of the Secretary of the State Board of Examiners, and forwarded to the applicant. For applicants living or working in New Jersey, the certificate will be sent to the applicant through the office of the County Superintendent, where it will be recorded. The certificate should always be kept in the possession of the teacher.

6. **Filing of Records in the Bureau of Teacher Certification**

All records and correspondence required for the issuance of a certificate or as a basis for evaluation will be filed in the office of the State Board of Examiners for a period of five (5) years from the date of issuance of the certificate or evaluation. Upon request of the teacher, certified transcripts and records will be returned at the end of the five-year period.

Students, in counties served by Trenton State College, who wish information concerning teacher certification in New Jersey may contact the following:

- **William L. Apetz**
  Burlington County Superintendent of Schools
  County Office Building, Union and High Streets, Mount Holly
  267-3300, Ext. 236

- **Ernest L. Gilliland**
  Somerset County Superintendent of Schools
  County Administration Building
  High and Bridge Streets, Somerville
  725-4700, Ext. 311

- **Allan Tomlinson**
  Warren County Superintendent of Schools
  County Court House, Belvidere
  475-2131, Ext. 151

- **Jack B. Twichell**
  Mercer County Superintendent of Schools
  Room 401, Court House, Trenton 10
  392-3481, Ext. 17 or 18

- **Charles S. Whilden**
  Ocean County Superintendent of Schools
  Court House Annex
  Hooper Avenue, Toms River
  244-2121, Ext. 214

- **Norman Gathany**
  Hunterdon County Superintendent of Schools
  Court House
  59 Main Street, Flemington
  782-2424
The public schools of New Jersey are faced with a serious shortage of certified teacher-librarians to staff public school libraries. The teacher-librarian certificate is required by the State Department of Education for those who hold a teacher's certificate and are assigned, or seek to be eligible to divide their duties between teaching and school library functions, and serve as assistant librarians. The certificate is applicable to elementary and/or secondary schools.

The requirements for the teacher-librarian certificate are summarized as follows:

1. A teacher's certificate
2. A minimum of eighteen semester-hour credits in library science related to public service, in such areas as:
   a. Cataloging
   b. Classification
   c. Reference work
   d. Bibliography
   e. Selection of instructional materials, including book selection for children
   f. Library organization and administration

The following courses are approved by the State Department of Education to meet the certification requirements for teacher-librarian.

L. S. 220-01-02 Instructional Materials
3 S.H. each semester
Basic reference tools of the school librarian, with emphasis on the use of these tools, in the instructional program. Other books used in answering students' questions and the many non-book materials used in the modern classroom.

L. S. 320.01 Books for Young Adults
3 S.H.
Literature for young people providing broad experience in reading and evaluating books. Use of the courses in psychology and sociology which the college student will have already taken or be taking concurrently as the background framework for the course.

L. S. 320.05 Children's Literature and Story Telling
3 S.H.
Stimulation to know and enjoy children's books. Familiarization with types of literature. Adequate knowledge of the historical and social background of distinct types of literature. Attention to the increasing interest in the book illustrations. Evaluative standards for children's literature in relation to the needs and interests of children at various ages. Techniques for presenting desirable literature to children.

L. S. 320.10 Organization of Library Materials
3 S.H.
Methods of acquiring and making use of printed catalog cards and bibliographies as guides to the materials in a school library. Elementary instruction in the principles of preparing simple catalog cards.
TRENTON STATE COLLEGE
TRENTON, NEW JERSEY

KEY TO CAMPUS BUILDINGS

ALLEN HOUSE—Women’s Residence Hall
ARMSTRONG HALL—Industrial Education
BLISS HALL—Men’s Residence Hall
BRAY HALL—Music Department
BREWSTER HOUSE—Women’s Residence Hall
CENTENNIAL HALL—Women’s Residence Hall
DECKER HALL—Women’s Residence Hall and Dining Room
EDUCATION BUILDING—(Under Construction)
ELY HOUSE—Men’s Residence Hall
GREEN HALL—Administration Building and Classrooms
HUB—College Union Building
KENDALL HALL—Auditorium and Speech Facilities
LIBRARY—Roscoe L. West Library
LIBRARY ANNEX—(Under Construction)
MATH-SCIENCE BUILDING—Math and Science
MEDITATION CHAPEL
NEW DORM—Women’s Residence Hall
(Under Construction)
OLD INN—Maintenance Department
NORSWORTHY HALL—Women’s Residence Hall and Medical Center
PACKER HALL—Health and Physical Education
PHELPS HALL—Food Service and Offices
Methods and materials for presenting lessons to elementary and secondary students in the use of books and libraries. Examination and evaluation of aids in this field; preparation of plans for the student's own teaching.

Function of the school library; relationships with the administration, faculty, and students; how to plan a school library unit; publicity for the school library; reporting school library activities; organization and circulation and attendance in a school library. Class discussions and activities based upon the student's observations and experiences.

Intended primarily as a course in the broad basic principles of selecting materials for school libraries; not a literary approach to specific titles and authors. Designed to serve as a frame of reference for prospective school librarians and teachers who exercise the responsibility for choosing recreational and curriculum related library materials. Basic criteria for selection of books in elementary, and secondary school libraries.

Study of types of reader services. Interpretation of kinds of service needed based on curriculum and school community. An opportunity to observe services in local libraries. Wide reading, lectures and class discussion, and student projects.
APPROVED SCHOOL NURSE
CERTIFICATION PROGRAM

In 1963 Trenton State College was authorized to offer an approved certification program for school nurses. Applications for enrollment in the program should be directed to the Division of Field Services, Trenton State College, Trenton, New Jersey 08625.

PROGRAM REQUIREMENTS .................................................. 30 S.H.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>225.01</td>
<td>Human Development and Behavior I</td>
</tr>
<tr>
<td>225.02</td>
<td>Human Development and Behavior II</td>
</tr>
<tr>
<td>425.01</td>
<td>Psychology of Mental Health</td>
</tr>
<tr>
<td>313.60</td>
<td>Development of Education Thought</td>
</tr>
<tr>
<td>413.40</td>
<td>Teacher in School and Community</td>
</tr>
<tr>
<td>413.65</td>
<td>Principles and Practices of Education</td>
</tr>
<tr>
<td>417.60</td>
<td>School Health Services I</td>
</tr>
<tr>
<td>417.61</td>
<td>School Health Services II</td>
</tr>
<tr>
<td>417.70</td>
<td>Curriculum Construction and Content in Health and Safety</td>
</tr>
<tr>
<td>417.65</td>
<td>Principles of Public Health Nursing</td>
</tr>
<tr>
<td>417.78</td>
<td>Professional Experience I</td>
</tr>
<tr>
<td>417.79</td>
<td>Professional Experience II</td>
</tr>
</tbody>
</table>

**Elective Courses** (To Total 30 Semester Hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>313.60</td>
<td>Development of Educational Thought</td>
</tr>
<tr>
<td>325.16</td>
<td>Developmental Psychology</td>
</tr>
<tr>
<td>327.60</td>
<td>Casework in Family Living</td>
</tr>
<tr>
<td>413.40</td>
<td>Teacher in School and Community</td>
</tr>
<tr>
<td>413.91</td>
<td>Alcohol and Narcotic Education Workshop.</td>
</tr>
<tr>
<td>417.71</td>
<td>Curriculum Construction and Methods of Teaching Health and Safety</td>
</tr>
<tr>
<td>417.75</td>
<td>Organization and Administration of School Health and Safety Programs</td>
</tr>
<tr>
<td>417.80</td>
<td>Hearing Conservation for School Nurses</td>
</tr>
<tr>
<td>417.81</td>
<td>Health Counseling</td>
</tr>
</tbody>
</table>

APPROVED INDUSTRIAL ARTS
CERTIFICATION PROGRAMS

In 1965 Trenton State College was authorized to offer three approved programs for Industrial Arts teacher certification. Applications for enrollment in any of the programs should be directed to the Division of Field Services, Trenton State College, Trenton, New Jersey 08625.

I. Work Experience Background, Limited Certificate (K-12)
Total 84 S. H.

A. Four years of industrial, trade or technical experience approved by the State Department of Education
B. High school graduation or equivalent attainment
C. Eighteen (18) semester hours of college credit in general background courses as follows:
I. Academic Background, Limited Certificate (K-12) Total 96 S. H.
A. A Bachelor's degree from an accredited college which includes 30 S. H. in background courses distributed in three fields:
   1. English (6 S. H.)
   2. Social Studies (6 S. H.)
   3. Science
   4. Fine Arts
   5. Mathematics
   6. Foreign Language
B. Professional Education (18 S. H.)
   1. Methods of Teaching
   2. Educational Psychology
   3. Health Education
   4. Electives
C. Specialization (30 S. H.)
   1. Required (27 S. H.)
   2. Approved electives in Industrial Arts (3 S. H.)
D. Seminar in Supervised Teaching (8 S. H.)

III. Academic Background, Limited Certificate (7-12) Total 86 S. H.
A. A Bachelor's degree from an accredited college which includes 30 S. H. in background courses distributed in three fields:
   1. English (6 S. H.)
   2. Social Studies (6 S. H.)
   3. Science
   4. Fine Arts
   5. Mathematics
   6. Foreign Language
B. Professional Education (18 S. H.)
   1. Methods of Teaching
   2. Educational Psychology
   3. Health Education
   4. Electives
C. Specialization (40 S. H.)
   1. Required (27 S. H.)
   2. Approved electives in I. A. (13 S. H.)
D. Seminar in Supervised Teaching (8 S. H.)
DEMONSTRATION CLASSES

Demonstration classes will be in session between 8:45 and 11:30 daily from July 3 to July 28. The children will be conducting activities of a regular classroom. Students enrolled in the various education courses will be provided opportunity to observe demonstration classes.

BOOK EXHIBIT

A book exhibit sponsored by the New Jersey Bookmen's Association will be held on Wednesday, June 28, 9:00 a.m.-1:00 p.m., at William F. Phelps Hall. All students are urged to attend.

GENERAL WELDING WORKSHOP

The General Welding Workshop, under the direction of Mr. David F. Smith, will be held from June 26 to July 14 in the Industrial Arts Shop.

The General Welding Workshop will meet from 2:00 p.m. to 10:30 p.m. for the first two weeks, and in the evening by arrangement the third week. Participants will receive 3 semester hours credit and a certificate of competence from the New Jersey Department of Education.

Class enrollment is limited to twenty. Early registration is recommended.

DRIVER EDUCATION AND TRAINING (JULY 3-JULY 21)

A workshop offered by Mr. William Medve will provide classroom instruction and road work including behind the wheel instruction for all students. Class enrollment is limited. Early registration is recommended. This course meets certification requirements to teach Driver Education in the Secondary Schools of New Jersey.

CAMPUS DAY CAMP

The Campus Day Camp is designed to provide a summer play experience for children from six to twelve years of age. Faculty children, children of parents attending summer school, and children from nearby communities are invited to attend.

The camp will operate Monday through Friday between 8:30 A.M. and 1:00 P.M. from June 26 to August 4. The camp will not operate on Tuesday, July 4, but will be open on Saturday, July 8. The weekly fee is $10.00. Three weeks constitutes a minimum enrollment. Campers will be provided insurance coverage by the Hartford Accident and Indemnity Company. Transportation to the camp will not be provided. Campers may be registered at the Summer Session Office in Green Hall beginning June 1, 1967, between 9:00 A.M. and 4:00 P.M. Checks are to be made payable to Trenton State College.

The program is varied and interesting. Children are divided into appropriate age groups and activities are selected on the basis of growth and developmental needs and abilities. Supervision is provided by the college physical education staff and student assistants. The program includes games, tennis, swimming instruction, nature study, and quiet activities. Mr. Roy VanNess, Director of Athletics at the college will serve as Camp Director. For further information please contact Mr. VanNess at 882-1855, Extension 292 or 253.
INTERNATIONAL WORKSHOP

CULTURAL AND ENVIRONMENTAL SETTING FOR EDUCATION IN NORTHEASTERN UNITED STATES

The tenth annual International Workshop will be held in late June and early July, probably June 25th to July 14th. The participants in this activity will be ten visiting foreign students, selected by the Experiment in International Living and a similar number of Trenton State College students. It will be possible to include summer session students who are interested in earning three semester hour elective credits in this stimulating, intensive three week workshop. The course will be full time and will preclude the students enrollment in any other summer school course during the time of the workshop. The workshop will provide a detailed study of New Jersey, metropolitan New York and the Delaware River Valley, with emphasis on those aspects of the culture and environment which affect education and which will be of greatest interest and concern to foreign students. One of the most significant aspects of the procedures involved in the workshop is the housing of visitors with their Trenton State College hosts in a campus situation. This direct personal contact on a day to day basis provides both parties with an opportunity to discuss and explain their several cultures.

Class work will include lectures, discussions and a variety of audiovisual materials. An important aspect of the workshop is a series of field trips to historical, educational and cultural places of interest; Trenton, New York and Philadelphia will be explored in some detail during these excursions. Credit for this course, 313.88, will be accepted as an elective for degree requirements.

The International Workshop will be under the direction of Mr. John F. Erath and will be conducted by a member of the Trenton State College faculty. Interested students may consult Mr. Erath, English Department, Lakeside to secure an application for enrollment.

AREA STUDY SEMINAR IN GERMANY

Trenton State College in cooperation with the College of Education of the University of Frankfurt, Germany, and the Experiment in International Living offers the fourth annual Area Seminar in Germany from June 10 to August 19, 1967. The Seminar, 313.89, is open to undergraduate and graduate students. An undergraduate will receive four semester hour credits applicable as elective credits toward the degree requirement. With prior approval of his advisor a matriculated graduate student may receive four semester hour credits toward the general education requirements of his graduate program.

The major focus will be on comparative education including a study of cultural and environmental influences on education. The program includes: intensive language study (June 10-June 26) at the School for International Training of the Experiment in International Living at Brattleboro, Vermont; a three-week homestay with a German family in Berlin; a week-long seminar at the College of Education of the University of Frankfurt; numerous field trips during these weeks, including one on the fabled Rhine; a three-week bus tour of Southern Germany (Bamber, Bayreuth, the Wagner Festival, Nuernberg, Dinkelsbuehel, Dachau, Concentration Camp Memorial, Munich Opera Festival), Austria (Salsburg, Mozart Festival, Grasglockner, Innsbruck, Arlberg), Liechtenstein, Switzerland (Chur, Zermatt, Berne), France (Ronchamp, LeCarbusier chapel, Colmar, Breisach, wine test).
The bus tour will terminate in Karlsruhe, Germany on August 19. Students may then travel on their own or return on a charter jet on August 20 from Brussels.

Applicants should have at least one semester of German, or its equivalent, preferably at a recent date.

The total cost including all travel, all meals, all sightseeing, tuition at Trenton State College, and language training in Vermont will be approximately $1,200.00.

The Seminar will be directed by Professors Franz Geierhaas and Joseph Demarais.

**SUMMER GEOGRAPHY WORKSHOP**

**New Jersey, The Most Highly Urbanized State:**
**Its Place in the American Megalopolis**

This six semester hour workshop will be held from June 26 to August 4, 1967.

It is designed to enable teachers to improve their utilization of geographic education in their classroom. It may be taken by all graduate students enrolled in graduate programs to satisfy the General Education requirements of their programs.

Ample opportunity will be provided to develop a comprehensive knowledge of the regional geography of this urban area, to acquire proficiency in techniques of geographic research through field studies and individual research projects and to have practice in the selection, construction and utilization of educational media pertinent to the research projects.

Specifically conducive to this is the study and interpretation of the Megalopolis region of Eastern United States. The problems of man-land relationships inherent in this rapidly expanding urban area as well as New Jersey's strategic role in its growth will have first consideration. Through field work and analysis and the interpretation of primary statistical data the confines of various metropolitan centers and their hinterlands will be established. Special attention will be paid to the development of knowledge and skill in the techniques of geographic research and the evaluation of the data resulting from this research. Practice in planning field trips, in selecting and evaluating educational media such as maps, slides, and overhead projector transparencies will be concomitant with all phases of the workshop.

Field trips will feature an air reconnaissance of New Jersey, bus trips to the Kittatinny area, Philadelphia, Long Island, Cape May and Newark Metropolitan area.

The geography workshop will be under the direction of Dr. Berenice Casper and Professor Richard Hewitt. Interested students may contact Dr. Casper at Brown Bungalow on campus (Ext. 347).

**LAWRENCEVILLE SCHOOL SUMMER SESSION**

**June 26—August 4**

For the past three summers, the Lawrenceville School in partnership with Rutgers—The State University, has conducted a coeducational six week summer program for high school students and teachers. This program has been supported by the Fund for the Advancement of Education of the Ford Foundation. Trenton State College will be involved in a limited phase of this program in the summer of 1967.
The advanced level courses are open to qualified high school juniors and seniors. The academic standards are high, the classes small, the individual attention great. Each student may take only one course, the successful completion of which carries high school credit in the State of New Jersey and the possibility of being recommended for advanced placement in college.

The Summer Session offers, for graduate credit, an unusual program for selected high school teachers. They observe one of the advanced level courses in operation, discuss teaching methods and curriculum with the faculty, and attend subject matter seminars during some afternoons. These seminars are closely allied to the work of the undergraduate courses. High school teachers wishing to use credits thus attained toward a specific degree at any institution must conform to the regulations and procedures governing degree programs at that institution.

The curriculum for the summer of 1967 includes the following courses:

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<th>Course</th>
<th>Faculty Offered</th>
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<td>English</td>
<td>P.S.S.C. Physics</td>
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<td>U. S. History</td>
<td>B.S.C.S. Biology</td>
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<tr>
<td>Modern European History</td>
<td>C.B.A. Chemistry</td>
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<tr>
<td>Dramatic Arts Workshop</td>
<td>Calculus and Analytic Geometry</td>
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For the successful completion of one of the science or mathematics courses Trenton State College will give six semester hours graduate credit for either Modern Approaches in Teaching Biology, Modern Approaches in Teaching Chemistry, Modern Approaches in Teaching Physics, or Modern Approaches in Teaching Mathematics.

The faculty of the Lawrenceville Summer Session is a superior one and has been drawn from Lawrenceville, from outstanding high schools, and from such colleges and universities as Rutgers, Princeton, Vassar, Mount Holyoke, Davidson, and San Francisco State. Two members of the faculty sometimes combine their talents to teach one course.

For teachers the tuition fee is $100.00 payable to the Lawrenceville School. Anyone interested in more detailed information should contact Mr. Lawrence L. Hlauacek, Director of the Lawrenceville Summer Session, Lawrenceville, New Jersey, telephone number 896-1844.

PEMBERTON TOWNSHIP CENTER of Trenton State College

A program is offered by the college at the Pemberton Township High School, in cooperation with the Educational Directors at McGuire Air Force Base, Fort Dix, and Lakehurst Naval Air Station. The facilities of the Pemberton Township High School have been made available through the courtesy of the Superintendent of the Pemberton Township schools and the Board of Education.

The schedule of courses, time and day of class meetings, and registration procedures is published by the Field Services Division, Trenton State College and may be obtained from the college or from the Director, Education Center, McGuire Air Force Base, Trenton, N. J. Telephone 724-2100, Ext. 3018-9.

June 1, 1967 - August 10, 1967

(REGISTRATION: May 17 - May 31, 1967
July 4 - Independence Day - No Classes
DESCRIPTION AND SCHEDULE OF UNDERGRADUATE COURSES

ART

110.01 Pictorial and Ceramic Art  Mr. Goldstein
3 S.H.  Class #B01  Period 2
Depictive studio course in pictorial and ceramic arts.

110.05 Graphics and Sculpture  Staff
3 S.H.  Class #A01  Period 1  G2
Introductory studio course in printmaking and three-dimensional design.
This course may be taken before, or in place of Art 110.01.

210.05 Ceramics  Mr. Lehman
3 S.H. Class #D01  Evening (5:15-7:30)  G-7-9-11
Methods of forming clay, decorating, glazing and firing, mold-making and casting, and methods on the potter's wheel.

EDUCATION

313.02 Teaching Reading in Elementary Grades
3 S.H. Class #A02  Period 1  Mr. Yates  G202
Class #E02  Evening (7:45-10:00)  Mr. Shea  G202
Basic principles. Nature and organization of systematic reading programs for the elementary school. Various types of methods and materials used to provide an integrated sequential program of learning activities, and the teacher's responsibility in guiding the elementary school reader's growth. Demonstrations, guided observations, and related experiences.

313.03 Teaching Arithmetic in Elementary Grades
3 S.H. Class #A03  Period 1  Dr. Price  SM115
Class #E02  Evening (7:45-10:00)  Mr. McElroy  SM115
Prerequisite: 121.01 Foundations of Mathematics or equivalent
A combination of a methods course and a professionalized subject matter course. Arithmetic developed as a deductive system with an emphasis on developing an understanding of the basic operations. Materials organized for effective teaching sequences. Problem solving, diagnostic work, and testing.

313.04 Teaching Arts and Crafts in Elementary Grades  Dr. Ahrens
3 S.H. Class #C01  Period 3  G107
This course is planned to aid the teacher in selecting art experiences appropriate for the various age and grade levels of the elementary school. Opportunities will be provided for everyone to work with many different and inexpensive materials which can be used by children in creative, constructive experiences. Students will be encouraged to work on problems which have significance for their particular classroom.

313.06 Teaching Social Studies in Elementary Grades
3 S.H. Class #B02  Period 2  Dr. Carman  G212A
Class #D02  Evening (5:15-7:30)  Mr. Shea  G202
This course deals with the newer methods and curriculum emphasis of the social studies in the elementary school. In addition it considers such problems as (1) child growth and development in social understanding, (2) reading skills as they relate to the social studies at the elementary level.
Curriculum utilization of audio-visual materials, mastery of many types of audio-visual devices and equipment, principles of operation, possibilities for utilization, techniques for evaluation of materials and equipment, knowledge and skills in the production of simple audio-visual materials.

Teaching Music in Elementary Grades
Mr. Safran
Music for elementary classroom teaching. Study of the child voice and procedure for training children's voices; singing and song selection, rhythmic activities suitable for each grade level; playing rhythmic and tone instruments, including xylophone and piano; listening and selecting materials for listening lessons adapted to each grade level; creative music; music reading and part-singing.

Teaching Science in Elementary Grades
Dr. Hiack
Prerequisite: Six semester hours of college science.
Place of science in the elementary school and the aims of science instruction at this grade level. Sources of materials and the use of these materials. Opportunity to organize the subject matter of science into teaching units appropriate for the grade level taught. Study of the recent literature in the teaching of elementary science.

Development of Educational Thought
Staff
Examination of philosophic assumptions and beliefs in terms of relationships to the development of educational philosophy and to education as a social institution. Synoptic study of the history of European and American education. Evaluation of principles underlying educational theories and practices. Attention to specific philosophies of education and their implications to modern education. Emphasis upon developing a personal philosophy of education through an objective examination of beliefs, theories, philosophies, and the history of educational thought.

Elementary School Curriculum
Dr. Durkin
This course examines the basic theory and philosophy underlying the modern elementary school curriculum. Emphasis is placed upon specific problems as the aim and objectives in curriculum construction, the choice of adequate instructional materials, the formulation of the daily program, and the evaluation of learning outcomes. Particular reference is made to those areas of curriculum designated as the language arts, the social studies, the cultural arts, and the practical arts.

International Workshop: Cultural and Environmental
(See page 46 for details)

Area Study Seminar in Germany
(See page 46 for details)

Discussion and analysis of actual classroom problems and procedures. Objectives and philosophy of modern elementary education. Discussion
of desirable classroom environments, proper use of instructional materials, responsibilities and ethics of the teaching profession, daily and unit planning. Emphasis upon a positive approach to classroom discipline.

413.10 Teaching Health, Safety, and Physical Education in Elementary Grades

3 S.H.  
Class # B05  Period 2  Mr. Van Ness  P104  
Class # D04  Evening (5:15-7:30)  Staff  P104

Theory and practice of health, safety, and physical education in the elementary school physical education program.

413.15 Teaching Language Arts in Elementary Grades  Mrs. Yates

3 S.H.  
Class # C04  Period 3  G212A

Emphasis on the language needs of children and methods and materials of meeting these needs. Emphasis on language as a form of social behavior and on the best methods for teaching oral and written composition, penmanship, listening and spelling.

413.40 Teacher in School and Community

3 S.H.  
Class # B06  Period 2  Dr. Charlton  G202  
Class # D05  Evening (5:15-7:30)  Mr. Richter  G219

An inquiry into the nature and scope of the teacher’s role in the school and community. Examination of public education as a culturally forceful institution of the community and nation. Nature and significance of teaching as a profession. School law. Issues, problems, and trends in public education.

413.90 Driver Education and Training Workshop

3 S.H.  
Class # G03  July 3-July 21  Mr. Medve  (9:30-3:30)  Alumni Lounge

This course provides classroom instruction and road work including behind the wheel instruction for all students. Class enrollment is limited. Early registration is recommended. This course meets certification requirements to teach Driver Education in the Secondary Schools of New Jersey.

413.97 Seminar in Supervised Teaching (Part I)  Mr. Ollio-Dr. Schwartz

6 S.H.  
Class # A06  Period 1* (Elementary)  Mr. Fox, Miss Nemec  G206  
Class # A08  Period 1* (Secondary and Special Field)  Mrs. Hubbard  G210A  
Class # A09  Period 1* (Industrial Arts)  Mr. Smith  Armstrong Hall

A summer session consisting of daily lectures, class discussions, conferences, observation and limited participation in the campus demonstration classes. Topics discussed include aims and objectives of present-day educational program. Lesson and unit planning; the public school curriculum, classroom management; measurement and evaluation of student progress.

* Class extends throughout morning.

ENGLISH

114.01 Language and Communication

3 S.H.  
Class # A10  Period 1  Mr. Kiley  L209  
Class # D06  Evening (5:15-7:30)  Mr. Wood  L209

The nature and function of language, communication of fact, communication of opinion. Study of newspapers, magazines, movies, radio and television programs. Discussion and critical analysis of contemporary communication.
American and English literature; European and Asiatic literature in translation. Reading of novels, plays, poetry, philosophy, and religious writings, grouped by subjects, theme, mood, or genre, rather than by language, nationality, or chronology.

Continuation of World Literature I.

Study of works by Emerson, Thoreau, Poe, Hawthorne, Melville, Whitman, Dickinson and Twain. Through emphasis on key works, to offer the student a basic understanding of major developments in American literature and civilization to the closing years of the 19th century, and to provide a foundation for further study in more recent American literature.

Study of the earth as the home of man; environment, human beings, and relationships existing between them. Basic features of the earth's major environments. Experience in the use of the literature of geography, atlases, maps, and other devices useful in locating and interpreting the character of places.


A regional study of Latin America to show the relationship between the environmental factors and the population pattern, the life of the people, their social customs and their methods of making a living. Stress upon transportation, commerce, and communications within and between the various countries, and with other parts of the world to show the economic importance of the main products of Latin America.

Theory, Powers, Organization. Study of issues, ideals, and political climate which gave rise to our form of government, the constitutional and extra-constitutional factors which have molded and changed our government, and the powers, interrelationships, and functions of the different levels of government.
HEALTH AND PHYSICAL EDUCATION

117.05 Personal Health Problems
3 S.H. Class #A13 Period 1 Mr. Schmid P104
Scientific discovery and recent progress in health sciences as an approach to the solution of individual health problems. Health is considered as a means to effective living and self-evaluation is encouraged.

317.03 Leisure and Fitness
2 S.H. Class #B09 Period 2 Packer: New Gym
An individualized course for the post-college age student.

417.65 Principles of Public Health Nursing
3 S.H. Class #D08 Evening (5:15-7:30) Mrs. Schneeman G212
This course consists of a brief history, meaning and accepted principles of Public Health Nursing; application of these principles in the generalized public health nursing and special fields such as school nursing, occupational nursing, maternal and child health, environmental and communicable disease control, geriatrics, chronic, mental and emotional illnesses. It also considers the position of the nurse in relation to the local, district, state, national, and international aspects of health.

HISTORY

118.03 European Age to 1900
3 S.H. Class #B10 Period 2 Mr. Allen L202
This course begins with the Renaissance and traces the transitional development of western culture. The rise of national states and the influence of science, economic expansion and the enlightenment are considered as an aid to understanding the revolutionary development of modern Europe.

118.06 Twentieth Century World
3 S.H. Class #C08 Period 3 Mr. Karras L204
Introduction to the historical background of the crises of our age. Study of the impact of rising nationalism and declining colonialism on Europe, Asia and Africa; the world-wide struggle between democracy and dictatorship; the analysis of political, economic, and social consequences of two wars.

218.05 Formative Period of the American Nation
3 S.H. Class #D09 Evening (5:15-7:30) Mr. MacLaury L202
Over-all picture of American development to the Civil War with emphasis on the period of discovery and exploration, colonial life with special reference to New Jersey, and the westward movement.

INDUSTRIAL EDUCATION AND TECHNOLOGY

119.05 Graphic Representation
3 S.H. Class #E08 Evening (7:45-10:00) Mr. Dresser A47

219.01 General Metals I
3 S.H. Class #D10 Evening (5:15-7:30) Mr. Morrissey A33
Introduction to tools, materials, and processes of the metal industries. Fundamental machine and hand tool operations and information topics. Basic instruction units in operation of common machine tools, sheet metal forming, molding and metal casting, bench metal practice, forging, cold forming, fabrication, heat treatment, and welding.
Developing knowledge and skill in a variety of craft activities including: carving, leatherwork, stenciling, lapidary processes, copper tooling and plastic. Application of Craft activities for various school and club groups, camps, and leisure time. Emphasis on planning, design, and craftsmanship for teaching purposes.

Prerequisite: 219.01 General Metals or equivalent

Welding of common metals by electric arc and oxyacetylene processes. Operation of gauges, tanks, torches and various kinds of welding equipment with emphasis on modern safety practices. Technology of materials of the welding industry. Development of welded projects for industrial arts classes.

Prerequisite: Senior status and permission of Department Chairman

Planned cooperative industrial work experience. Development of depth of understanding of industry as observed in a typical industrial assignment.

Basic reference tools of the school librarian, with emphasis on the use of these tools, in the instructional program. Other books used in answering students' questions and the many non-book materials used in the modern classroom.

Stimulation to know and to enjoy children's books. Familiarization with types of literature. Adequate knowledge of the historical and social background of distinct types of literature. Attention to the increasing interest in the book illustrations. Evaluative standards for children's literature in relation to the needs and interests of children at various ages. Techniques for presenting desirable literature to children.

Methods of acquiring and making use of printed catalog cards and bibliographies as guides to the materials in a school library. Elementary instruction in the principles of preparing simple catalog cards.

Intended primarily as a course in the broad basic principles of selecting materials for school libraries; not a literary approach to specific titles and authors. Designed to serve as a frame of reference for prospective school librarians and teachers who exercise the responsibility for choosing recreational and curriculum related library materials. Basic criteria for selection of books in elementary, and secondary school libraries.
121.01—Foundations of Mathematics

3 S.H.  Class #B12  Period 2  Dr. Price  SM115
Class #C11  Period 3  Dr. Battin  G104
Class #D11  Evening (5:15-7:30)  Mr. McElroy  SM115
Class #E09  Evening (7:45-10:00)  Mr. Barr  SM114

Development of an understanding and appreciation of the nature of mathematics in shaping human affairs. Typical topics: geometry, logic, number systems as groups and fields, sets and algebra of sets, and relations.

121.15 Statistics  Dr. Battin

3 S.H.  Class #B13  Period 2  G104
Prerequisite: 121.01 Foundations of Mathematics or equivalent
Designed to enable the student to become an intelligent "consumer" of statistics. Topics: frequency distribution, central tendency, dispersion, sample theory, correlation. Mathematical basis of these concepts investigated from an elementary point of view.

121.20 Elementary Mathematical Analysis  Mr. Barr

3 S.H.  Class #D12  Evening (5:15-7:30)  SM114
Analysis of fundamentals of algebra, trigonometry, and analytic geometry. Applications involving direct and indirect measurements which include: theory and use of mathematical instruments, such as transit, sextant, level, and plane table; theory and construction of maps and graphs, logarithms, and the slide rule; problems from shop and industry.

321.50B Topics in Undergraduate Mathematics (Intermediate Analysis)

3 S.H.  Class #E10  Evening (7:45-10:00)  Mr. Ehrenpreis  SM113
Prerequisites: Calculus, Modern Algebra, Linear Algebra
This is a flexible course in which the content is selected from one of the following areas, depending upon student needs and interests: (A) Numerical Mathematics; (B) Intermediate Analysis; (C) Algebra; (D) Topology; (E) Geometry. These are intermediate electives designed to enrich the background of the student as well as to bridge the gap between undergraduate mathematics and graduate mathematics.

MUSIC

123.20 Music Fundamentals  Mr. Isch

3 S.H.  Class #C12  Period 3  B126
Study of rhythm, melody and harmony in music. Study of keys, major and minor, meter signature and note values; intervals, rhythm patterns, notation and musical terms. Basic knowledge of the keyboard through learning the primary and secondary chord progressions in most keys. Musical skills acquired through singing, ear-training, music reading and creating original music.

PSYCHOLOGY

225.01 Human Development and Behavior I

3 S.H.  Class #A16  Period 1  Dr. Rovee  L202
Class #E11  Evening (7:45-10:00)  Mr. Gorczynski  G219

Fundamental principles of psychology, stressing such areas as motivation, behavior dynamics, perception, learning, and individual differences. Consideration of physiological aspects. Emphasis on the application of principles in educational situations.
225.02 Human Development and Behavior II  
3 S.H.  
Class #B14  
Period 2  
Dr. Lide  
SM214  
Prerequisite: 225.01 or equivalent  
Continuation of Human Development and Behavior I.

325.05 Child Psychology  
3 S.H.  
Class #C13  
Period 3  
Dr. Campbell  
K209  
Prerequisite: 225.01 or equivalent.  
Psychological development of children from birth to adolescence; emphasis on elementary school years. Normal maturation of children as influenced by environment. Developmental tasks related to successive phases of growth. Limited field experience.

325.15 Social Psychology  
3 S.H.  
Class #A17  
Period 1  
Mr. Stierhem  
K205  
Prerequisite: 225.01 or equivalent.  
Individual behavior in social situations, emphasizing the development and change of beliefs and attitudes. Specific topics: morale, prejudice behavior, leadership, propaganda, dynamics of small groups. Experimental evidence stressed.

325.16 Developmental Psychology  
3 S.H.  
Class #B15  
Period 2  
Mr. Gorczynski  
K205  
Prerequisite: 225.01 or equivalent  
Consideration of the emotional, mental, physical, and social development of youth from conception through adolescence. Emphasis on the influences of the home, school, and community on adolescence.

325.18 Classroom Learning and Evaluation  
3 S.H.  
Class #C14  
Period 3  
Mr. Stierhem  
L206  
Prerequisite: 225.01 or equivalent  
Examines the interrelationships between intellectual development and demonstrated principles of human learning. Stresses significance of these for actual classroom practice, especially in concept formation, problem solving, and the acquisition of knowledge. Develops principles and techniques of classroom evaluation.

425.01 Psychology of Mental Health  
3 S.H.  
Class #E12  
Evening (7:45-10:00)  
Dr. O'Neill  
L204  
Prerequisite: 225.01 or equivalent  
Examination of problems involved in self-understanding and the understanding of others. Phenomenological approach to the discussion of personality and personal value systems. Elementary discussion of common behavior problems.

425.30 Introduction to Principles of Counseling  
3 S.H.  
Class #C15  
Period 3  
Staff  
Packer 113  
Introduction of undergraduate and graduate students to counseling principles and concepts. Development of proficiency in applying appropriate and effective beginning counseling techniques to practical situations. Development of skill in such counseling aids as tests, questionnaires, etc., and in the understanding of individual problems. Study of methods of collecting and assembling data. Awareness of professional problems of counselors, types and classification of problems, professional standards, different training program.

SCIENCE

126.10 Descriptive Astronomy  
3 S.H.  
Class #A18  
Period 1  
Dr. Crowell  
SM114  
Designed to acquaint the student with the major heavenly bodies and their movements. Emphasis on the solar system and the explanation of common
phenomena such as our system of time reckoning, the calendar, eclipses, phases of the moon, etc.

Wide use of slides, films, and outdoor observations of the sky at night.

126.15 Principles of Biology I
Dr. Vena
3 S.H. Class #G10 Periods 1, 2, 3 (June 26-July 14)

126.16 Principles of Biology II
Dr. Vena
3 S.H. Class #G11 Periods 1, 2, 3 (July 17-August 4)

Introduction to the major concepts of biology as they relate to man. Consideration given to fundamental properties of living things, their function, structure, classification, life histories and evolution. Emphasis placed upon identification and study of organisms in their natural environment, and upon their interrelationships with one another.

126.20 Geology
Mr. Lutz
3 S.H. Class #B16 Period 2
Lab: (Tuesday 2:00-3:40)
Designed to help the student to recognize and interpret major geological features of the landscape. Attention given to the interplay of the physical processes that have produced the present forms of land. Brief survey of the development of continents during successive geological periods, together with the succession of plant and animal life on the earth.

Study of rock and mineral specimens, maps, cross sections, fossils, and field trips as part of the laboratory experiences.

226.03 Biological Science for Elementary Education
Mr. Treuting
3 S.H. Class #F03 Evening (6:00-8:45)
An introduction to the basic concepts and principles of biology. Attention to the functions, structures, classification and life histories of common plants and animals. Special emphasis on the essential relatedness of all living things to each other and to their environments. Laboratory experiences and field trips to give familiarity with, and stress classroom utilization of, readily available biological materials.

SOCIOL OGY

227.01 Community and Society
Dr. Gillen
3 S.H. Class #B17 Period 2
Development of sociological principles through the study of the community. Emphasis on its ecology, class and institutional structure, and the processes of human interaction. Relation of community to society at large. Study of the nature of culture and cultural change.

327.60 Casework in Family Living
Mrs. Schneeman
3 S.H. Class #E13 Evening (7:45-10:00)
Prerequisite: 417.60 School Health Services I
A study of the family as a social unit, socio-economic principles as applied to health problems, techniques of school-family casework interpretation and follow-up of remediable cases. The role of the social worker and school nurse as members of a community team and in extending casework to patients and their families.

SPEECH

128.01 Fundamentals of Speech
Staff
3 S.H. Class #A19 Period 1
Introduction to the nature of speech and to the history of speech study; consideration of basic speech problems: how to isolate voice and diction defects, apply corrective techniques and evaluate students' speech; how to communicate in public address situations of both informal and formal nature; how to re-create and communicate the words of another through oral interpretation.
DESCRIPTION AND SCHEDULE OF GRADUATE COURSES

ART

510.30 History of American Painting and Sculpture  
Dr. Burns  
3 S.H.  
Class #A20  
Period 1  
G105  
This lecture course will trace the history of “The New American Art” movement and its influence on the contemporary art world.

BUSINESS EDUCATION

611.01 The Legal Process in America  
Dr. Travers  
3 S.H.  
Class #B18  
Period 2  
G219  
A study of the general principles of law with special emphasis upon New Jersey Statutes and Court decisions.

EDUCATION

513.11 New Jersey School Law I  
Dr. Travers  
3 S.H.  
Class #A22  
Period 1  
G219  
This course is designed to give to the teacher a knowledge of the fundamental school laws of New Jersey. Requirements concerning teacher duties and responsibilities, curricular offerings, and relationships with pupils and parents are discussed. Court and administrative decisions involving school law are carefully studied.

513.31 Advanced Study in Elementary School Language Arts  
Dr. Burke  
3 S.H.  
Class #A24  
Period 1  
G212A  
Investigation of recent research and modern theory concerning the content and methodology of the language arts program in the modern elementary school. Study of emerging emphases in the teaching of listening, speaking, reading, writing, and modern foreign languages. Course conducted through discussion, group and individual study, and lectures from visiting specialists in these fields. Prerequisite: 413.15 or equivalent.

513.40 Foundations of Education  
Dr. Carroll  
3 S.H.  
Class #B19  
Period 2  
G211  
This course will attempt to synthesize and integrate the contributions to education from the basic disciplines of history, philosophy, anthropology, psychology, religion, sociology, economics, and political science.

513.42 History of Western Education  
Mr. Jeffries  
3 S.H.  
Class #E14  
Evening (7:45-10:00)  
G212A  
The purpose of this course is to present for the students’ consideration an historical perspective relative to the origins of present theories and practices in education, as found in the writings of western civilization from Greece to the discovery of America.

513.44 Current Issues and Trends in Education in the United States  
Dr. Yengo  
3 S.H.  
Class #E15  
Evening (7:45-10:00)  
L201  
Identification and analysis of the major current issues and trends in education in the United States. Emphasis on the evolutionary nature of education. Search for forces underlying conflict and for probable consequences of present trends. Development of perspective in assessing the educational scene and acceptance of the challenge inherent in the American educational ideal.
This course views the possibility of reform as a basic purpose of education. It presents a brief analysis of some of our modern social problems; crime, poverty, race conflict, family disintegration, etc., and the role that education might assume in proposed solutions.

This course will provide a depth examination of the political and economic factors and problems affecting decisions regarding public education.

A comparative examination of the theory, structure and function of education in societies which are free and those that are not. American and Soviet systems will be used as contrasting points of view with special emphasis given to the threat of communism to a free school system.

Intended for graduate students seeking certification in Student Personnel Services. Major emphasis is on the applied psychology of the helping relationship. Student is expected to attempt to learn to behave in ways conducive to the optional helping relationships within the class itself. Psychological theoretical review, necessary to explain expected class behavior is offered. Course content includes study of the goals, history, and present status of guidance. Examination of guidance resource materials.

This course equips the degree candidate for the work in preparing reports, term papers, and the field study or thesis. It provides instruction in the use of reference tools and bibliographies in the field of education and a working knowledge of important handbooks in other areas, develops skill in the preparation of a comprehensive bibliography on a subject pertinent to the student's aims and interests.

This course is intended for graduate students in education and should be taken early in the graduate program. Chief emphasis is on understanding and interpreting research with lesser emphasis on research production. Course content includes examination and evaluation of current research, research design, and certain statistical concepts. Each student is required to submit individual evaluation and design in own area of specialization.

This course is designed for graduate students who are interested in the latest developments in the field of elementary education. It surveys the recent research and experimentation and attempts to predict future trends in elementary education according to past and present beliefs and practices. Among the various topics emphasized are (1) innovations in modern school and classroom design; (2) recent developments in the curriculum areas of language arts, social studies, sciences, cultural arts, and practical arts; (3) the present trend in evaluation, measurement, and promotion in the elementary school; and (4) a study of the controversial
philosophies concerning heterogeneous grouping, departmentalization, team teaching, programmed instruction, etc.

613.97 General Seminar in Elementary Education
Dr. Burke

For students not writing the thesis or field project. An examination of the techniques of educational research as well as the findings of noteworthy research studies in elementary education. The general comprehensive examination, required of all Master's Degree candidates not writing a thesis or field project, is given at the close of this course.

ENGLISH

514.27 Literary Criticism
Dr. Beechhold

An examination of major critical theories from Plato to T. S. Eliot, and the application of these disciplines to the principal genres to establish a foundation for literary judgment. Individual formal analyses of selected works to familiarize students with the language that gives voice to the meaning of literature. Assigned papers designed to measure a work against the past criticism it has inspired, and to suggest new insights. Exercises in bibliographical research to familiarize the student with the method for discovering the history of criticism of a literary work.

GEOGRAPHY

615.10 Workshop on New Jersey: The Most Highly Urbanized State
Dr. Casper

The study and interpretation of the major geographic components of the urbanized northeastern seaboard of the United States based on an analysis of the development of the cultural environment in relationship to the natural environment. Development of a comprehensive knowledge of the regional geography of this area, of the systematic geography basic thereto, proficiency in techniques of geographic research acquired through field studies and individual research projects, and training in the selection, construction and utilization of Educational Media pertinent to the re-research projects.

HEALTH AND PHYSICAL EDUCATION

517.35 Organization and Administration of Physical Education in Schools
Mr. VanNess

Administration of physical education in elementary, junior, and senior high schools, including the organization of the prescribed physical education program, athletic programs, and intramural sports. Class scheduling, objectives, equipment, policies, and other organizational and administrative problems are discussed.

517.47M Advanced Theory and Techniques in Sports and Activities: Racket Sports
Mr. Brink

Investigation and application of recent information on theory, techniques, teaching and administrative procedures as they relate to specific sports, games, and activities in physical education. The specific area of study will be indicated by title and number modification each time the course is offered. Example: 517.47a Advanced Theory and Techniques in Sports and Activities (Football); 517.47b Advanced Theory and Techniques in Sports and Activities (Field Hockey); etc.
Investigation and application of recent information on theory, techniques, teaching and administrative procedures as they relate to specific sports, games, and activities in physical education. The specific area of study will be indicated by title and number modification each time the course is offered. Example: 517.47a Advanced Theory and Techniques in Sports and Activities (Football); 517.47b Advanced Theory and Techniques in Sports and Activities (Field Hockey); etc.

517.68 Neurological and Developmental Problems in School Children

This interdisciplinary course is designed to aid the school nurse and special educational personnel: (1) to recognize neurological, psychiatric, and developmental defects in school children; (2) to become familiar with methods of referral and resources for diagnosis, therapy, and rehabilitation; (3) to understand the social and emotional implications of these handicaps to the child and his family; and (4) to assist the school in planning an educational program for these children. Psychosocial and educational developments in this field will be developed on an interdisciplinary basis.

617.02 Foundations of Health and Physical Education Professions II

A continuation of H.P.E. 617.01, with opportunities for individual study and self-direction. The following areas will be included: creativity and communication, understanding and using research, identifying professional needs and problems, attracting and retaining quality physical educators, application of inquiry and investigation to future growth and development in the field. Planning an individualized Master's Degree program will begin.

617.63 Seminar in Community Health Problems

Examination of major community health topics such as: organization and use of public health agencies; preparation of materials for community health teaching; evaluation of recent research results.

617.95 Professional Seminar

Designed as a culminating experience for the graduate student in health, physical education and recreation. The seminar will include discussions, lectures and guest speeches. Emphasis will be placed upon probable trends and future responsibilities of the individual and the profession. An effort will be made to insure that a sound philosophy and foundation has evolved from the student's program of study.

617.99 Thesis

Special attention is given to the selection of a research problem, its investigation and its development. Includes an exhaustive review of research in health and physical education.

HISTORY

518.05 Russia in the Twentieth Century

A study of the rise and consolidation of the Soviet State, its expansion and position in the world today. An analysis of the political, economic,
social, and cultural development. Part of the course will be devoted to research and discussion of current affairs, such as trends in foreign policy, religious, cultural, and economic policies. Emphasis will also be placed upon the relationship of the Soviet Communist Party to the other Communist parties.

518.20 Studies in Intellectual History of the Western World I: The Nineteenth Century  
Dr. Cohen  
3 S.H.  
Class #B24  Period 2  
L204  
The students will be introduced to some great authors and the impact they have had on the nineteenth century and after. Constant attention will be paid to the increasingly close interrelationship between the nations on both sides of the Atlantic, but the emphasis will be on European thought. Among the thinkers studied will be Goethe, Hegel, Marx, Darwin, Tolstoy and Dostoevski, Wagner and Nietzsche, Zola and Ibsen.

INDUSTRIAL ARTS

519.01 History and Philosophy of Industrial Education  
Dr. Lockette  
3 S.H.  
Class #C22  Period 3  
A73  
Study of important events in the development of industrial arts and vocational education in the United States. History, objectives, practices, leaders in the field and their contributions.

519.02 Curriculum Construction in Industrial Education  
Dr. Streichler  
3 S.H.  
Class #B25  Period 2  
SM114  
Study of principles and techniques of course construction based on the analytical, judgmental, experimental, and consensual procedures. Planning, organizing, building, using, and evaluating teaching guides.

519.03 Evaluation in Industrial Education  
Dr. Streichler  
3 S.H.  
Class #A27  Period 1  
SM201  
Principles of evaluation applied to shop and drawing subjects. Construction of various evaluation devices and their application in industrial arts. Improvement of instruction in industrial education through recording, interpreting, and using the results of the evaluation. Prerequisite: 519.02.

519.30 Dynamics and Problems of Vocational Guidance  
Dr. Koble  
3 S.H.  
Class #A26  Period 1  
A73  
Basic concepts and practices of vocational guidance in public schools. The function and contribution of industrial education in the guidance program. The value of industrial arts exploratory experiences in selecting an occupation.

519.50 The Development of American Industries  
Dr. Morrisey  
3 S.H.  
Class #E16  Evenings (7:45-10:00)  
A73  
The study of America's technological society, its development, contemporary patterns, and emerging concepts. Emphasis is placed on the role of technology in our culture and its complex effects upon the individual and institutions.

519.80 Cooperative Industrial Seminar  
Staff  
1-6 S.H.  
Class #F07  By Arrangement  
Advanced study and research in industrial plants and industrial training institutes. Opportunity for advanced study in contemporary industrial facilities not otherwise available to industrial arts teachers.
519.88 Industrial Education Workshop (Electronics) Dr. Herring
3 S.H. Class #G12 June 26-July 14
11:30-12:30, and 1:30-4:30
Class #G13 July 17-August 4
11:30-12:30, and 1:30-4:30


519.90 Industrial Education Workshop (General Welding) Mr. Smith
3 S.H. Class #G08 June 26-July 8
(2:00 P.M.-10:30 P.M.)
July 10-July 14
(Evening by Arrangement)

This special welding workshop is made possible through the cooperation of several leading manufacturers of welding equipment and supplies. Welding of all common metals by electric arc and oxyacetylene processes. Operation of gauges, tanks, torches, and various kinds of welding equipment with emphasis on modern safety practices. Strength of materials in welded joints. Technological developments of the welding industry. Design and testing of welded projects for industrial arts classes.

619.02 Research in Industrial Education Dr. Lockette
3 S.H. Class #B26 Period 2

Study of techniques employed in educational and industrial research. Interpretation and critical analysis of literature related to industrial arts. Prerequisites: 519.01, 519.02, 519.03.

619.50 Special Problems in Industrial Education Staff
3 S.H. Class #F05 By Arrangement

Offers opportunity for self-directed independent study under guidance. Enables the student to pursue needed study in a field in which appropriate courses are not being offered during a given semester. Not more than three hours of Special Problems. Enrollment by written permission of adviser.

619.99 Thesis in Industrial Education Staff
3-6 S.H. Class #F06 By Arrangement

The writing of a thesis or project is a recommended but not required activity. Each candidate, in consultation with his adviser, will determine the nature of the research requirement. Should the student elect to write a thesis or project, a maximum of six credit hours can be applied to the degree requirements under this option. Students must continue to enroll for thesis until the research requirement has been satisfied. In the event that the thesis or project is not selected, the course, Special Problems in Industrial Education, will be required. Enrollment by written permission of adviser.

MATHEMATICS

621.96 Seminar in Elementary School Mathematics Education Mr. Goldstein
3 S.H. Class #B27 Period 2

In general this seminar is designed to take care of individual needs as much as feasible. Topics will include investigations of recent research in elementary school mathematics education; examinations of some of the newer mathematics programs, textbooks, standardized tests, preparation of teaching projects, courses of study, and evaluation instruments. Prerequisite: 313.01 Teaching Arithmetic in the Elementary Grades or 313.05 Teaching Arithmetic in the Kindergarten and Primary Grades.
621.98 Seminar in Mathematics Education  Mr. Ehrenpreis  
3 S.H.  Class #D14  Evening (5:15-7:30)  SM113  
Typical topics: impact of modern mathematics on secondary school programs, preparation of materials for teaching, analysis of college preparatory and non-college preparatory mathematics programs, analysis of textbooks and tests, study of a variety of proposals for modifying the high school mathematics program. Work from previous courses will be consolidated and applied to problems of teaching secondary school mathematics.  

MODERN LANGUAGES  
622.01 Languages and Music  Mr. LoBue  
3 S.H.  Class #F08  2:00-3:20  B125  
The sounds of the important languages in music; the phonetic structure of Italian, French, and German. A semantic study of the foreign language terms of music. The problem of translation; the loss of the original force of a musical composition and its words.  

MUSIC  
523.04 Skills of Score Preparation  Mr. Austin  
2 S.H.  Class #H07  10:30-11:20  B129  
The skills essential to the conductor in his preparation of a score for his rehearsal of a group form the subject matter of this course. Actual practice preparation for scores selected by the class will include sight-singing from the score, transcription, functional keyboard use of the score, thematic and form analysis as a rehearsal preparation, marking scores and editing scores for development of accurate rhythmic concepts and perception.  
523.12 Private Applied Study (Elective by area)  Mr. Austin  
2 S.H.  Class #F09  By Arrangement  
Enrollment in this course indicates applied study which is apart from the curriculum requirements. Therefore, any private applied study taken in addition to required courses for any specified program must be listed as 523.12.  
523.16 Orchestra Development I  Mr. Berger  
2 S.H.  Class #H04  9:30-10:20  B-Studio A  
This course will present in detail steps to the development of excellent intonation, tone quality and rhythmic concepts, in a specified, organized approach to the playing of strings for orchestra. An approach to the muscular habits in sequence; habits which develop technical speed, good tone quality and excellent intonation, as well as advancing bowing habits for rhythmic and phrasing concepts is completely developed.  
523.38 Voice Culture  Dr. Harrison  
2 S.H.  Class #H05  9:30-10:20  B-Recital Hall  
This course, using a singing approach, allows opportunity for the discovery and diagnosis of individual voice problems as well as the development of corrective techniques and processes. Appropriate vocalises and solo repertoire are used as materials both in developing the individual voice and as an approach to the development of artistic style.  
523.46 Advanced Conducting I  Mr. Berger  
2 S.H.  Class #H06  10:30-11:20  B-Lounge  
This is a preliminary course in interpretative conducting, not a course in mere beat patterns. Actual muscular expression is developed within previously learned beat patterns as well as new appropriate expressive conducting movements. Movements of use to music educators as well as those accepted for professional work are developed.
523.65 Principles of Education in Instrumental Music  
(Strings) Mr. Berger  
2 S.H. Class #H01 8:30-9:20 B-Studio A  
This course presents basic principles of direct functional use in the development of a sound string program. Included are suggested mental processes, specific concepts for the teacher of motor movements and all essential disciplines. These are of direct functional use where scheduling is either on heterogeneous or homogeneous grouping.

523.67 Principles of Education in Vocal Music Dr. Harrison  
2 S.H. Class #H02 8:30-9:20 B-Recital Hall  
This course presents basic principles of functional use in the development of a voice program. Designed to meet voice teaching needs on all levels of learning and for all age groups, specific concepts for the teaching of voice, including all related essential disciplines and various means for their continuous development are established. The disciplines leading to proper habits of breathing, and breath control, vocal production and diction are taught and developed as a process for constructive teaching as well as to promote more efficient diagnosis of vocal problems. (This course must be taken concurrently with 523.38 Voice Culture.)

523.90 Small Ensemble Workshop (Vocal) Dr. Harrison  
2 S.H. Class #H10 12:30-1:20 B-Recital Hall  
This course offers an opportunity for study of and participation in small vocal ensembles with emphasis upon the principles of singing and selection of materials for high school quartets, madrigal groups, and special small vocal groups. This course, through participation in the small ensemble activity, will demonstrate the contribution that the small vocal ensemble makes in the development of individual musicianship, the application of sound vocal habits and the fostering of acceptable leadership qualities through the “Vocal Experience.”

523.91 Small Ensemble Workshop (Instrumental) Mr. Austin  
2 S.H. Class #H09 12:30-1:20 B-Studio A  
This course stresses the formation, rehearsal, and functional value of small ensemble playing through actual performance in small ensembles. Special discussion sessions are scheduled during regular class hours. Materials are used which lend themselves to use in high school situations, as well as materials that apply to more advanced or adult groups.  
(a) String Ensembles  
(b) Brass Ensembles  
(c) Woodwind Ensembles  
(d) Percussion Ensembles  
Enrollment will determine the types of ensemble playing experience to be offered and the performance level.

623.02 Devices of Musical Force Mr. Austin  
2 S.H. Class #H08 11:30-12:20 B129  
This course presents detailed information concerning musical styles and periods. From this, individual composers and the devices they employed for their music force plus an analysis of the possible or intended musical force reasoning behind the use of these various devices is presented. This is not a music history course; rather it concerns itself with a basis for interpretative insights.

623.10 Private Applied Study, a-b-c Mr. Austin  
2 S.H. Class #F10 By Arrangement  
This course affords opportunity for performance growth on the candidate’s major instrument through private study. Lessons are arranged with members of the staff or with an artist-teacher from an approved list.
623.11 Private Applied Study, a-b-c (Vocal)  Mr. Austin
2 S.H. Class #F11 By Arrangement
Private applied voice study affords opportunity for performance growth and the development of the individual's vocal potential. Lessons are arranged with members of the staff or with an artist-teacher from an approved list.

623.47 Advanced Conducting II  Mr. Austin
2 S.H. Class #H03 8:30-9:20 B234
This is an advanced course in interpretative conducting with an emphasis on application of skills developed in the courses, "Devices of Musical Force" and "Developing Interpretative Insights." This course continues and develops those processes initiated in 523.46.

623.80 Problems of the Marching Band  Mr. Isch
2 S.H. Class #H11 3:00-3:50 B-Studio A
This course presents a complete process for the development of Marching Band work which serves rather than competes with valid music education goals. Every phase of the marching band is covered including festivals and contests. Of the thirty course hours, fifteen are allocated to problems brought to class by those enrolled. Some practical workshop experiences are included. A feature of the course is the development of football performances.

623.97 Required Performance Project  Mr. Austin, Dr. Harrison, Mr. Berger
2 S.H. Class #F12 By Arrangement Mr. Berger
Candidates who wish to present a Recital, a Conducting Performance, or a Musical Composition as their final project are required to enroll in this course. The Music Department will appoint a Departmental Committee to assist each candidate in the pursuit of his project. The office of the Coordinator of Graduate Music Programs will supply all added necessary information pertinent to the completion of each specific type of project.

623.99 Thesis  Mr. Berger
3 S.H. Class #F13 By Arrangement
Music Education: A critical study of some general or specific aspects of Music Education of interest to the student that has been explored in the departmental seminar, under faculty guidance, and approved by the Graduate Council of the College.

PSYCHOLOGY

525.05 Teaching and Mental Health  Dr. O'Neill
3 S.H. Class #D15 Evening (5:15-7:30) L204
Basic mental health principles in classroom teaching. Factors which contribute to the development of emotionally stable children. Dynamics of personality development and the points at which the child may need particular understanding. Role of the classroom teacher, school nurse, or counselor in strengthening good individual and group adjustment. Open to experienced school nurses and classroom teachers only.

525.40 Psychology of Learning  Dr. Lide
3 S.H. Class #A28 Period 1 SM214
Leading theories of learning and their experimental bases. Analysis of the role of learning in perception, motivation, and personality development.

525.47 Measurement and Evaluation  Mrs. Rovee
3 S.H. Class #B28 Period 2 L207
Selection, administration, and interpretation of standardized group evaluation instruments commonly used in education and psychology. Development of teacher-made tests. Prerequisite: 3 hours of descriptive statistics.
This course, to be offered on an interdisciplinary basis, will include organized field experiences that are psychologically oriented: These will include: (1) observation, (2) direct and responsible work with individual emotionally and/or socially maladjusted children or with small groups over an extended period. Accompanying the field experiences will be course work involving (1) extensive reading in the area, (2) case conferences, (3) observation of staff conferences, (4) study of major types of social and/or emotional maladjustment, (5) acquaintances with the various types of facilities in the community which serves the socially and emotionally maladjusted, as well as consideration of the variety of instruments and procedures employed in identifying individual psychosocial problems.

A minimum of 60 clock hours of practicum experiences will be required in addition to course work. Rotation of field experiences in a variety of settings and an extended practicum experience in one agency will be included. Open only to students matriculated in the program for teaching the socially and emotionally maladjusted.

Prerequisite: 529.06 or equivalent.

625.08 Advanced Child Growth and Development Dr. Campbell
3 S.H. Class #B29 Period 2 K209
A consideration of the concepts and theories from learning, developmental psychology and psychoanalytic ego psychology that have been particularly useful in clarifying the problems of child development, and have been fruitful in research on children. Important areas of scientific uncertainty and controversy discussed. Prerequisite: 6 hours of psychology including child psychology.

SCIENCE

526.10 History and Philosophy of Science Dr. Nechamkin
3 S.H. Class #D16 Evening (5:15-7:30) SM214
This course will trace the evolution of twentieth century science from the science of ancient civilizations to the present. It will show how the scientific revolution of the sixteenth and seventeenth centuries influenced the philosophy and social structure of the time.

The nature and importance of scientific methods and attitudes and their development will be considered.

The function of science as an agent of industrial and intellectual change will be stressed.

526.34 Quantitative Analysis Dr. Nechamkin
3 S.H. Class #C30 Period 3 SM315
Lab: An hour and forty minutes one afternoon per week; time to be arranged

Prerequisite: General College Chemistry.

An advanced course in analytical chemistry, providing for a thorough treatment of the fundamental principles upon which the subject is based. Emphasis is placed on the important classical procedures, the reagents, instruments and practical techniques used in inorganic analysis.

526.48 Science in Industry Dr. Pregger
3 S.H. Class #C23 Period 3 SM203
Lab: Thursday afternoon; time to be arranged.

Prerequisites: General College Physics and General College Chemistry. A study of chemical and physical principles applied in modern technology.
as shown in a number of industrial plants and public utilities. Approximately ten afternoon field trips are an integral part of the course. Graduate science students may emphasize either the chemical aspects or the physical aspects of the course in order to receive credit in chemistry or physics. Enrollment is limited to 24 students.

526.53 Ecology and Evolution  Mr. Ziccardi
3 S.H.  Class #C24  Period 3  SM217
Lab: Wednesday afternoon; time to be arranged.
Prerequisite: General College Biology or equivalent.
Living organisms will be considered from the viewpoint of their interrelationships with the environment. Emphasis in the field work will be on the diversity found within each individual biotic group as its habitat varies. Adaptations of the individual organism to varied habitats and the ensuing modifications within the group will be the focal point. There will be opportunity for some original research.

526.55 Advanced Microscopical Techniques  Mr. Ziccardi
3 S.H.  Class #F15  Evening (6:00-8:45)  SM217
A course in theory and application of technical methods, apparatus and materials. Designed to supplement techniques which were acquired on the undergraduate level.

526.69 Modern Physics  Dr. Moses
3 S.H.  Class #F16  Evening (6:00-8:45)  SM301
Prerequisites: General College Physics; Modern Physics or equivalent; and a working knowledge of calculus.
A study of the more recent developments in physics. Topics covered include the electron and the electrical nature of matter, modern concepts of the atom, X-rays and other electro-magnetic radiations, quantum properties of waves and particles, relativity, "particles" of the nucleus, radioactivity, nuclear energy and its utilization.

SOCIOLOGY

527.05 Social Pathology and the Student  Dr. Lichtenberg
3 S.H.  Class #C25  Period 3  K205
An examination of factors such as family tensions, neighborhood deterioration, poverty and dependency, vice and crime, racial and ethnic conflict, excessive mobility and alcoholism and drug addiction which contribute to the socially and emotionally maladjusted child. Attention will be given to the amelioration of these problems and with ways of more positive adaption to them. Wherever relevant and available, consultants will be used.

527.35 Comparative Studies in Social Stratification and Mobility  Dr. Wolcott
3 S.H.  Class #C26  Period 3  L207
An examination and comparison of diverse stratification systems, both Western and non-Western. Special attention will be devoted to changes which diverse societies are undergoing with regard both to the stratification system as a whole and the fluctuations in opportunity for the individual. The new nations of Africa and Asia will be studied as contemporary examples.
Prerequisite: 3 hours of Sociology.

SPEECH

528.57 Stuttering  Mr. Hengen
3 S.H.  Class #C27  Period 3  SM115
A study of the etiology, evaluation, and correction of stuttering.
Prerequisite: 528.35 or the equivalent.
628.10 Independent Investigation  
Mr. Hengen  
1-3 S.H.  
Class #F17  
By Arrangement  
Provides an opportunity to study in depth an area of interest to the student. Provides opportunity for participation in an activity related to the area. Prerequisite: 528.35 or the equivalent.

SPECIAL EDUCATION

529.06 Education and Psychology of Exceptional Children and Youth  
Dr. Schwartz  
3 S.H.  
Class #A29  
Period 1  
G104  
An introductory course to the education and psychology of the handicapped. Incidence, characteristics, and etiology of exceptionality with an emphasis on the development of insight into the psychosocial aspects of disability. General principles, techniques, materials, and learning theories applicable to the education of exceptional children and youth will be explored.

529.07 Diagnostic Evaluation of Exceptional Children  
Mr. Feehan  
3 S.H.  
Class #A30  
Period 1  
SM113  
Introduction to the instruments and procedures employed in identifying individual psychological and educational differences among exceptional children and youth. The role of the teacher in the diagnosis and remediation of learning handicaps will be stressed. Prerequisite or corequisite: 529.06 or equivalent.

529.15 Psychology of the Mentally Retarded  
Mr. Feehan  
3 S.H.  
Class #B30  
Period 2  
SM113  
Nature and needs of the mentally retarded in terms of etiology, differential diagnosis, developmental patterns, and implications for their educational and social training. Prerequisite or corequisite: 529.06 or equivalent.

529.18 Curriculum and Methods of Teaching the Mentally Retarded  
Mr. Clark  
3 S.H.  
Class #B31  
Period 2  
SM315  
Principles of curriculum building for the academic, social, and occupational development of the mentally retarded at various maturation levels. Methods, techniques, and materials in teaching the retarded will be indicated with particular emphasis on diagnostic teaching and the remediation of learning handicaps. Prerequisite or corequisite: 529.15 or equivalent.

529.68 Neurological and Developmental Problems in School Children  
Staff  
3 S.H.  
Class #C29  
Period 3  
SM114  
This interdisciplinary course is designed to aid the school nurse and special educational personnel (1) to recognize neurological, psychiatric, and developmental defects in school children; (2) to become familiar with methods of referral and resources for diagnosis, therapy, and rehabilitation; (3) to understand the social and emotional implications of these handicaps to the child and his family; and (4) to assist the school in planning an educational program for these children. Psychosocial and educational developments in this field will be developed on an interdisciplinary basis.

529.70 Education of the Culturally Deprived  
Mr. Clark  
3 S.H.  
Class #A31  
Period 1  
L204  
“Culturally deprived” children and youth—often identified as mentally retarded, slow learner, socially and emotionally maladjusted, and the core of the school dropout problem—will serve as the center of concern. Emphasis on the practical and immediate approach by the public schools in meeting the educational needs of these children. An integrated com-
Community approach utilizing consultants from municipal planning and urban renewal programs, social agencies, rehabilitation and employment services, and others. Prerequisites: Community and Society or equivalent; 325.05 Child Psychology or Developmental Psychology or equivalent.

529.73 Education of the Socially and Emotionally Maladjusted

3 S.H.  Class #C28  Period 3  SM113

Principles and programs in the education of the child who is seriously withdrawn or aggressive are explored. The roles of the teacher and other professional personnel in the school and community agencies are considered. Organizing and operating educational programs for the seriously disturbed child with the use of records, reports, and resources in his daily classroom activities.

529.78 Psychology of the Socially and Emotionally Maladjusted

525.78

This course, to be offered on an interdisciplinary basis, will include organized field experiences that are psychologically oriented: These will include: (1) observation, (2) direct and responsible work with individual emotionally and/or socially maladjusted children or with small groups over an extended period. Accompanying the field experiences will be course work involving (1) extensive reading in the area, (2) case conferences, (3) observation of staff conferences, (4) study of major types of social and/or emotional maladjustment, (5) acquaintances with the various types of facilities in the community which serve the socially and emotionally maladjusted, as well as consideration of the variety of instruments and procedures employed in identifying individual psycho-social problems. A minimum of 60 clock hours of practicum experiences will be required in addition to course work. Rotation of field experiences in a variety of settings and an extended practicum experience in one agency will be included. Open only to students matriculated in the program for teaching the socially and emotionally maladjusted.

Prerequisite: 529.06.

629.91 Current Trends in Research in Mental Retardation

3 S.H.  Class #B33  Period 2  B125

Identification and analysis of the current issues and problems in the field of mental retardation through critique of research studies. Required of, and open only to, matriculated students in the graduate program in mental retardation. Culminates in either a comprehensive examination or the selection of a thesis topic. Is the terminal course in the program for students electing the option of the comprehensive examination. Students electing the thesis option will follow this course with registration in 629.99 Thesis.

629.92 Current Trends in Research in Deaf and Hard-of-Hearing

3 S.H.  Class #B34  Period 2  G105

Identification and analysis of the current issues and problems in the field of the deaf and hard-of-hearing through critique of research studies. Required of, and open only to, matriculated students in the graduate program in deaf and hard-of-hearing. Culminates in either a comprehensive examination or the selection of a thesis topic. Is the terminal course in the program for students electing the option of the comprehensive examination. Students electing the thesis option will follow this course with registration in 629.99 Thesis.

629.93 Current Trends in Research in Social and Emotional Maladjustment

3 S.H.  Class #B32  Period 2  P101

Identification and analysis of the current issues and problems in the field of social and emotional maladjustment through critique of research
studies. Required of, and open only to, matriculated students in the graduate program in social and emotional maladjustment. Culminates in either a comprehensive examination or the selection of a thetic topic. Is the terminal course in the program for students electing the option of the comprehensive examination. Students electing the thesis option will follow this course with registration in 629.99 Thesis.

629.97 Departmental Project
3 S.H. Class #F18 By Arrangement
Exploration of an area of independent study identified in 629.95 Seminar in Special Education. Prerequisite: 629.95.

629.99 Thesis
1 S.H. Class #F19 By Arrangement
A critical study of a general or specific aspect of special education of interest to the student, under the guidance and advisement of a Faculty Thesis Committee, appointed by the College Graduate Council. Prerequisite: 629.95.

DISTRIBUTIVE EDUCATION

531.03 Organization and Administration of Distributive Education
3 S.H. Class #A33 Period 1 G214
Background, aims, coordination techniques, and administrative policies for organizing and operating distributive education programs in the secondary schools. A study of the federal and state laws upon which such programs are operated. The philosophies underlying the vocational technical education movement in the United States. Consideration of federal, state and local supervision, physical layout of department, selection of instructional materials and equipment, pupil records, job analysis and surveys, follow-up standards, and public relations programs. State plan as well as relationship of distributive education in the total education program.

531.40 Curriculum Development in Distributive Education
3 S.H. Class #B35 Period 2 G214
A study of principles and problems in the construction of the distributive education curriculum.
### SCHEDULE OF CLASS SESSIONS—June 26 to August 4, 1967

**Building Designation**
- A.—Armstrong Hall
- B.—Bray Hall
- G.—Green Hall
- SM.—Science-Mathematics
- K.—Kendall Hall
- L.—Library
- P.—Packer Hall

#### PERIOD I
8:30-9:50

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**10:00-11:20**

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**11:30-12:50**

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* Class extends throughout morning.
1 Laboratory period 2:00-3:40 Tuesday.
2 Laboratory period one hour and forty minutes per week; time to be arranged.
3 Thursday afternoon; time to be arranged.
4 Wednesday afternoon; time to be arranged.

## EVENING

### MONDAY, TUESDAY, THURSDAY

5:15-7:30

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* By Arrangement

* Study is with any artist teacher on the approved college list.
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† See appropriate course description for details.
NEW JERSEY STATE
SCHOOL OF CONSERVATION
John J. Kirk, Director

SUMMER SESSION 1967

PROGRAM

Program offerings at the School of Conservation include:

(1) Teacher Education as an on-going part of the six state colleges.
(2) Cooperative Demonstration Outdoor Education and School Camping Programs with public school systems on elementary, junior high and senior high school levels during the school year.
(3) Undergraduate and in-service courses during June, July, and August.
(4) Summer Youth Conservation Program during July and August.
(5) Workshops, Conferences, and Weekend Groups throughout the year (College and Conservation-minded groups have preference).

COURSE OFFERINGS

Biology 203
Introduction to Field Biology
June 10-19, 1967
2 Semester hours
Dr. Marie Kuhnen

Education 443
Practicum in Camping Education
(for camp staff only)
June 26-August 27, 1967
3 Semester hours
Dr. John J. Kirk

Education 444
Practicum in Conservation Education
(for camp staff only)

Science 419
Field Science and Conservation
August 16-25, 1967
2 Semester hours
Robert Fitzmaurice

Education 440
Camping and Outdoor Education
2 Semester hours
Clifford E. Knapp

Fine Arts 415
Arts and Crafts with Native Materials
2 Semester Hours
Instructor, T.B.A.

LOCATION

The School of Conservation is located in Stokes State Forest. It borders Lake Wapalanne and is about nine miles northwest of Branchville, off Route 206, in Sussex County, New Jersey. It is accessible by hard surfaced roads.

MAILING ADDRESS

For information and application write to:
Dr. John J. Kirk, Director
New Jersey State School of Conservation
Branchville, New Jersey
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To complete registration by mail:
1. Detach Registration Card (X100) along perforation.
2. Complete both sides of the registration card accurately and completely.
   a. Course data must be printed exactly as listed in the catalog.
   b. Complete all information requested concerning college status, certification, residence, employment and objective.
3. Enclose check or money order only (payable to Trenton State College) for the exact amount of tuition and fees.
4. Sign the registration card and mail to Summer Session Office, Trenton State College, Trenton, N. J. 08625.

Mail registration will not be honored or accepted if received after May 22.

ALL STUDENTS REGISTERING FOR GRADUATE COURSES MUST REGISTER IN PERSON.

---

TRENTON STATE COLLEGE (Registration—Evening, Summer & Graduate Courses)

Semester: Fall [ ] Spring [ ] Summer [ ] 19 [ ]

Name: ____________________________
   Last ______ First ______ Middle __________ Maiden ______

Home Address: ____________________________
   Street ______ City ______ State ______ Zip Code ______ County ______

Present Employment: Teaching in Grades ______ Other: ____________________________

Trenton State Field Services Status: [ ] 1. Matriculated [ ] 2. Previously Enrolled [ ] 3. Enrolled for First Time

I have attended Trenton S.C. as a full-time resident student: [ ] 1. Yes [ ] 2. No Dates ____________

I have attended another college previously: [ ] 1. Yes [ ] 2. No Dates ____________ Institution ____________

College Status:
[ ] 1. Graduate Student [ ] 2. Undergraduate Student

Teaching Certificate Held:

Objective:

Residence Status:

Expect to Graduate This Year:
[ ] 1. Yes [ ] 2. No

As a veteran I plan to use P.L. 89-358
[ ] 1. Yes [ ] 2. No
**Housing on Campus**

Advance reservation for residence hall accommodations is recommended. See page 22 for information and procedure.

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<th>County</th>
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Graduate Students Only
Inst. Granting Baccalaureate Degree | Year | Major |
|------------------------------------|------|-------|

Adviser’s Signature

Are you a High School Graduate? Yes No

Have you ever been dismissed from another college or university for:
Unsatisfactory academic work? yes no Disciplinary action? yes no

If dismissed, name of institution | Date |
|----------------------------------|------|

I certify that the foregoing statements are true and accurate to the best of my knowledge. Falsification of this application may result in dismissal from courses and/or denial of course credit.

(Signature) (Date)