

# Alfred University Publication

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## The New York State College of Ceramics

### Catalogue Number

1934 - 1935



### Announcements

1935 - 1936

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Vol. X

November, 1934

No. 11

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Published Monthly by Alfred University, Alfred, N. Y.

Entered January 25, 1902, as second class matter, Post Office, Alfred, N. Y.

Under Act of Congress of July 16, 1894.

Acceptance for mailing at special rate of postage provided for in section 1103,  
Act of October 3, 1917, authorized on July 3, 1918.

# CALENDAR FOR 1934-1935

## First Semester

		1934
Entrance examinations	Monday	Sept. 17
Freshman Week	Monday, Tuesday, Wednesday	Sept. 17, 18, 19
Registration for Seniors, Juniors and Sophomores	Thursday, Friday	Sept. 20, 21
Instruction begins	Monday	Sept. 24
Mid-semester grades	Thursday	Nov. 22
Thanksgiving Recess begins	Wednesday, 12:30 P. M.	Nov. 28
THANKSGIVING RECESS		
Instruction resumed	Monday morning	Dec. 3
Founders' Day	Wednesday	Dec. 5
Christmas Recess begins	Thursday noon	Dec. 20
CHRISTMAS RECESS		

		1935
Instruction resumed	Monday, 1:45 P. M.	Jan. 7
Mid-year examinations begin	Wednesday	Jan. 23
Examinations end; semester ends	Friday evening	Feb. 1

## Second Semester

Instruction begins	Wednesday morning	Feb. 6
Mid-semester grades	Thursday	Apr. 4
Spring Recess begins	Thursday evening	Apr. 4
Spring RECESS		
Instruction resumed	Monday morning	Apr. 15
Final examinations begin	Wednesday	May 29
Memorial Day, half holiday	Thursday	May 30
Senior examinations end	Friday	May 31
Final examinations end	Friday	June 7

NINETY-NINTH COMMENCEMENT		
Alumni Dinner and Annual Meeting	6:30 P. M., Saturday	June 8
Baccalaureate Sermon	8:00 P. M., Sunday	June 9
Annual Meeting of Trustees	9:00 A. M., Monday	June 10
Commencement Exercises	2:00 P. M., Monday	June 10
President's Reception	1:30 P. M., Monday	June 10

## Summer School, 1935

Term begins	Monday	July 1
Term ends	Friday	Aug. 9

## BOARD OF MANAGERS

(Appointed annually by the Trustees of Alfred University)

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J. L. JOVA, The Jova Brick Works, Roseton, N. Y.

# CALENDAR FOR 1935-1936

## First Semester

		1935
Entrance examinations	Monday	Sept. 16
Freshman Week	Monday, Tuesday, Wednesday	Sept. 16, 17, 18
Registration for Seniors, Juniors, and Sophomores	Thursday, Friday	Sept. 19, 20
Instruction begins	Monday	Sept. 23
Mid-semester grades	Thursday	Nov. 14
Thanksgiving Recess begins THANKSGIVING RECESS	Wednesday, 12:30 P. M.	Nov. 27
Instruction resumed	Monday morning	Dec. 2
Founders' Day	Thursday	Dec. 5
Christmas Recess begins CHRISTMAS RECESS	Friday, 12:30 P. M.	Dec. 20
		1936
Instruction resumed	Tuesday, 8 A. M.	Jan. 7
Mid-year examinations begin	Wednesday	Jan. 22
Examinations end; semester ends	Friday evening	Jan. 31

## Second Semester

Instruction begins	Wednesday morning	Feb. 5
Mid-semester grades	Thursday	Apr. 2
Spring Recess begins SPRING RECESS	Thursday evening	Apr. 2
Instruction resumed	Monday morning	Apr. 13
Final examinations begin	Wednesday	May 27
Senior examinations end	Friday	May 29
Memorial Day	Saturday	May 30
Final examinations end	Friday	June 5

### ONE-HUNDREDETH COMMENCEMENT

Saturday, June 6 to Wednesday, June 10

## Summer School, 1936

Term begins	Monday	July 6
Term ends	Friday	Aug. 14

## ADMINISTRATION AND FACULTY

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 CECIL R. DRUMMOND, Janitor and Machinist

\* Deceased

## THE NEW YORK STATE COLLEGE OF CERAMICS

In founding the New York State School of Clay Working and Ceramics in the year 1900 and placing it under the control of Alfred University, the Legislature of the State of New York recognized not only the importance of education in the pursuit of industry and industrial art but also the fact that such education can best be pursued in cooperation with coordinated studies in the field of liberal arts.

The aims of education are vision and skill. Industry is making greater demands than ever upon the character and qualities of its employees, and the teaching profession calls for ability and personality of a superior order.

To enable its graduates to meet these requirements in their chosen careers, the School was established. The studies relating to the arts and industries of ceramics are numerous and varied. Physics and Chemistry are fundamental and are closely followed by mechanical knowledge and manual dexterity. Engineering looks to production on a large scale, while Ceramic Art plans to beautify the product and enhance its appeal to the consumer.

Recently the New York State Legislature has raised the ranking of the institution to that of a college. Henceforth it will be known as the New York State College of Ceramics. A new building, costing \$175,000, has been provided, adding 24,000 square feet of floor space to the 18,000 square feet of the old plant, fully relieving thereby the cramped quarters of the past. \$60,000 has been spent in equipping this new building with the most up to date apparatus and furniture obtainable. This new building was opened in the fall of 1932, affording the students one of the largest and most completely equipped institutions of its kind in the world.

The expansion program has included not only large additions to the plant and the equipment, but also an expansion of the courses of study to cover all branches of the ceramic industry. A complete department of glass technology has been added. In addition, courses in refractories, lime, gypsum, cement, equipment design and plant layout, and pyrometry have been added. Other features of the expansion program include extension of the courses in physical chemistry, petrography, and research work. The work of the college is thereby fully rounded out, making it possible to cover the entire field of ceramics and to devote to each division the attention it deserves.

The College is directed by a board of managers appointed by the Trustees of Alfred University as the agent of the Education Department of New York. The major groups of ceramic industries of the State are represented on the board of managers by outstanding men from the various industries.

The college embraces three departments, (1) department of general ceramic technology and engineering, (2) ceramic art, and (3) glass technology. Specialized four year college courses of study are given in each of these departments and the student must choose between them not later than the sophomore year.

The courses of study in general ceramic technology and engineering deal primarily with clay and clay products, but refractories, lime, gypsum, cement, enamels, and the various other materials used with them in the industries are included. The study of clay and clay products includes the physical and chemical properties of the raw materials and products, the operations involved in processing the clays and in manufacturing the products and the scientific control of all these operations.

The ceramic art course is established to meet the industrial need for those who can create and execute original work in accordance with the requirements of modern ceramic factory processes. The combination of a thorough basic training in drawing and design with a specialized training in ceramic

technology provides for the creative design of ceramic products. Industry in general and the ceramic industry in particular are placing more and more emphasis on the design of their industrial products. The public is demanding beauty as well as service. This situation indicates that there will be an increasing industrial demand for ceramic art graduates. Although industrial experience is necessary for completely developing one's capabilities in this field as in any other, graduates of the ceramic art department are prepared for immediate usefulness to ceramic companies for work on the form, color, efficiency and general sales appeal of their products. Opportunities prevail in the terra cotta, glass, tile and whitewares industries.

The course in glass technology is designed primarily to give the student a thorough grounding in the scientific basis of glass-making; also to acquaint him with glass-manufacturing practice, so far as that is possible in a school; and thirdly to present glass as an engineering material, a substance of unending interest to the chemist and physicist, and a medium for artistic expression and the cultivation and satisfaction of the aesthetic sense.

## ADMISSION

A candidate for admission to the freshman class must be (1) a graduate of an approved four-year high school, (2) of good moral character, (3) at least sixteen years of age, and (4) ranking in either the middle or upper third of his high school class. A personal interview to determine the aptitude of the applicant is very desirable. The particular requirements for entrance to college explained below cover in each case not less than a four-year preparatory or high school course.

Preparatory work is estimated in units. The unit represents a course of five recitations weekly throughout an academic year of the preparatory school. Fifteen units or an equivalent and graduation from the school are definite requirements for unconditioned entrance.

Admission is gained, either on certificate or on examination, as follows:

### Admission on Certificate

**COLLEGE BOARD EXAMINATIONS.** A statement from the College Board certifying that a student has satisfactorily passed the College Board examination in any subject will be accepted as credit in full for that subject.

**REGENTS CREDENTIALS.** The credentials of the University of the State of New York are accepted instead of an examination in the subjects required for admission, so far as such credentials cover these requirements. (For description of subjects, see *Entrance Requirements*.)

**PRINCIPALS' CERTIFICATES.** Certificates are also accepted from principals of preparatory or high schools, provided such schools are known to the Committee on Admissions for thoroughness of instruction. The certificate must show that

the applicant is a graduate of a four-year high school. The certificate must also specify, in connection with each subject, the year in which it has been given, the extent to which it has been pursued, the amount of time given to it, and the degree of the applicant's proficiency, and must show clearly that the student has met the requirements in every way. Principals of high schools who desire to have their students admitted on certificate are invited to correspond with the Registrar, who will provide them with blank standard certificates of recommendation.

### Admission on Examination

Candidates who fail to present satisfactory certificates must pass a written examination in the required subjects.

For the convenience of students not having such certificates, entrance examinations are held at Alfred on the first day of registration week (Monday, September 16, 1935).

### Conditioned Students

Students deficient in the foreign language requirements may enter if assurances are given that this deficiency will be made up before the sophomore year.

### Entrance Requirements

ENGLISH—3 units. The candidate must be familiar with elementary rhetoric, both as a science and an art, and must be proficient in spelling, punctuation, idiom, and division into paragraphs. Preparation must include the work in English prescribed by the various college associations.

FOREIGN LANGUAGES—4 units. Latin grammar and composition; Caesar, four books of the *Gallic War*; Cicero, six orations; Virgil, six books of the *Aeneid* or equivalents; or four units from not more than three of the following; Latin, Greek, German, French, Spanish.

MATHEMATICS—2 units. Elementary algebra, including fundamental operations, factoring, fractions, ratio, proportion, radicals, quadratics; plane geometry, including the straight line, angle, circle, proportion, similarity, and areas.

SCIENCE—1 unit. Biology, botany, physiology, zoology, physical geography, physics, or chemistry. Any one subject may be offered.

ELECTIVES—5 units in addition to the above subjects.

### Summary

English .....	3 units
Mathematics .....	2 units
*Foreign languages .....	4 units
Science .....	1 unit
Electives .....	5 units

### Admission to Advanced Standing

Students from other accredited colleges may be admitted with advanced standing upon presentation of satisfactory certificates of standing and character. Such students should request the Registrar or corresponding official of the institution from which they wish to be transferred to forward to the Registrar of Alfred University the following information:

1. A statement of their entrance units, including the date of their graduation from high school.
2. A transcript of their college credits.
3. A letter of honorable dismissal signed by the proper official.
4. A statement to the effect that they are eligible to return to the institution which they are leaving.

\* Candidates may offer only 2 units of foreign language, but must substitute science or advanced mathematics, or both, for the other two units of foreign language required.

## REGISTRATION

All students will register on the days given under "Calendar"; new students entering at the beginning of the second semester will register on the first day thereof. Any student not registering on the days set therefor will be charged a fee of five dollars for late registration.

Each student is expected to register for at least sixteen hours, but may not register for more than required with the following exceptions; (1) physical training and assembly may be taken in addition to the maximum of required hours; (2) if a student has had an average standing of B or higher in the preceding semester, he may register for more hours with approval of the Dean of the Ceramic College.

### Fees

Matriculation (all new students) .....	\$ 5 00
Graduation .....	10 00
Tuition out-of-state students, per semester .....	50 00
Medical and Infirmary, per semester .....	6 00
Reading room, per semester .....	2 00
Athletics, per semester .....	10 00
College Paper ( <i>Piat Lux</i> ) Subscription \$1.25. Student Campus Tax, 75 cents per semester .....	2 00

EXTRA FEES, per semester, for the use of instruments, apparatus, and laboratory materials:

Chemistry 1, 5, each .....	8 00
Chemistry 2, 3, 7, 10, each .....	10 00 or 15 00
Chemistry 4 .....	15 00
Chemistry 6b .....	5 00
Gymnasium (freshmen, sophomores) .....	2 00
Physics 1b, 4, each .....	5 00
Surveying .....	5 00
Industrial Mechanics 6, 7, 8, 9, 12, each .....	5 00
All Pottery Courses .....	1 00
Summer Surveying, payable second semester .....	10 00
Dues for local section of American Ceramic Society....	50

## MISCELLANEOUS FEES AND DEPOSITS:

Drawing supplies furnished at cost.	
Chemistry breakage deposit, Chemistry 1, per year.....	10 00
Chemistry breakage deposit, Chemistry 2, 3, 4, 5, 7, 10, each per year .....	15 00
Dormitory Room deposit, per year .....	10 00

Room Deposits must be paid in advance at time rooms are reserved. In case a student fails to occupy a room so reserved the deposit is forfeited. Upon surrender of the room in good condition *at the close of the school year* the deposit will be refunded to the student.

Special examinations (final and mid-semester), each...	5 00
Special tests, each .....	1 00
Late registration (failure to register on registration days) .....	5 00

Trips for the purpose of inspecting industrial plants are very desirable. Students should be prepared to pay their traveling expenses on these trips.

\* A medical infirmary fee of \$6.00 per semester is charged all students. This fee entitles students to any necessary services of the University Physician, but does not include druggist's charges for prescriptions, X-rays, operations, etc. This fee also entitles any student, upon recommendation of the University Physician, to a maximum of ten days' infirmary and trained nurse service in the Clawson Infirmary, without extra charge. All students are urged to report promptly any illness or threatened illness to the superintendent of the Clawson Infirmary or to the University Physician.

### Terms of Payment

Fees are payable in four installments as follows:

Students will pay upon registration at the beginning of each year \$20.00, on account of the first semester's fees. This payment will be deducted from the semester bill when rendered. Similar payments will be made before entering classes for the second semester.

Semester bills for fees will be issued on or before the fifteenth of October and February, and must be paid at the office of the Treasurer before the first of the following month. Students who fail to comply with this regulation are reported to the Dean of the college, and are rendered liable to suspension.

Rates for rooms in the Bartlett Memorial Dormitory for freshman men and The Brick, a dormitory for women students, vary from \$55.00 to \$70.00 per semester (17 weeks) per stu-

dent; for single or double rooms according to size and location; in Burdick Hall (dormitory for men) rates vary from \$40.00 to \$50.00 per semester per student, in accordance with size and location of room. Board in Bartlett Dormitory is \$238 and in The Brick \$222 for the college year and is payable in advance in four equal installments, the first installment upon registration at the beginning of the year, the second November 15th, the third upon registration for the second semester, and the fourth April first.

Rooms and board, including fuel, can be obtained in private families for \$8 to \$10 per week. Board in clubs organized and managed by the students themselves varies from \$5 to \$6 per week, according to the means and inclinations of the students.

## **DEGREES**

### **Degrees in Course**

The degree of Bachelor of Science (B. S.) will be conferred upon graduates of the Department of General Ceramic Technology and Engineering and the Department of Glass Technology. The degree of Bachelor of Fine Arts (B. F. A.) will be conferred upon graduates of the Department of Ceramic Art. The requirements are a satisfactory completion of the prescribed courses of study and approval by the Board of Trustees.

### **Professional Engineering Degree**

Upon being duly nominated to and approved by the Board of Trustees, candidates may have conferred upon them the professional engineering degree of Ceramic Engineer (Cer. E.) Qualified candidates will have received a Bachelor's, Master's, or Doctor's degree in engineering or some fundamental branch of science. Subsequent to graduation, they shall have had four years of exceptionally successful practical experience in ceramic engineering work. A full statement of educational training and experience and a thesis giving in detail, some important personal engineering achievement in ceramic engineering work are required. These papers must be submitted at least one month before Commencement. A graduation fee of \$10.00 is charged to cover the cost of graduation. Candidates will present themselves at the Commencement exercises to receive the degree and diploma in person.



## GENERAL INFORMATION

### Residence Halls

**THE BRICK.** Women students are required to live in this hall, unless permitted for sufficient reason to room in approved homes in the village. Application for such permission must be made to the Dean of Women.

**BARTLETT DORMITORY** is a residence for freshman men. All students living in the dormitory are required to take their meals there. All freshman men must live in Bartlett Dormitory, unless excused by the Dean of men.

### College Year

The college year consists of two semesters of about seventeen weeks each. There is a vacation at Christmas of about two weeks, a week's recess in the spring, and a summer vacation of about thirteen weeks.

### Class Exercises

The class period, lecture or recitation, is one hour; the laboratory period varies from two to three hours. There are no classes on Saturday or Sunday.

### Unit of Credit

One class period or one laboratory period per week for one semester is taken as the unit of credit and is called a semester hour. For graduation a credit of one hundred and forty-four semester hours is required.

### System of Grading

The work of students in each subject is graded as A, excellent; B, good; C, fair; D, poor; E, conditioned failure; F, failure; I, incomplete; W, withdrawn.

## Scholarship Indices

For determining scholarship and for awarding honors the office uses a system of point values corresponding to the above grades as follows: each hour at A is equivalent to 3 points; at B, to 2; at C, to 1; at D, to 0; at E, to -1; at F, to -2; at I, to -1; at W, to -1. At intervals the Registrar determines a scholarship index for every student and for student groups. These indices are obtained by dividing the total number of points by the total number of hours.

### Scholarship Requirements

Freshmen .5 minimum cumulative grade point index

Sophomores .75 minimum cumulative grade point index

Juniors 1.00 minimum cumulative grade point index

Seniors 1.00 minimum cumulative grade point index.

Students not meeting above mentioned scholarship standards but whose indices are within .5 of the figures given may be put on probation for one semester, during which time an opportunity is offered to reach the standard specified. If the specified standard is not reached the student is dropped from College.

For graduation a minimum scholarship of 1.00 for the entire course is required.

### Attendance at Classes

Regular attendance at class exercises is expected. Penalties are imposed on those who absent themselves from classes without excuse more than a certain number of times. Usually a student is permitted one absence per semester without excuse for each hour of credit accorded the course he is pursuing. Juniors and seniors who have not previously been penalized for violating the attendance rules are given the privilege of voluntary attendance. (For detailed rules on absences see Alfred University Handbook, page 20.)

## Examinations

Final, comprehensive examinations are held at the close of each semester, in addition to occasional written tests during the semester. Fees will be charged for all examinations taken by those not regular members of classes, or taken at other times than those appointed for the class examinations.

## Estimated Annual Expenses

Excluding cost of clothing and travel, one can go through a college year by close economy upon \$400, and, by exercising care, upon \$500. An allowance of \$600 is comfortable.

### IN DORMITORIES

Board .....	\$222—\$238
Rooms .....	110— 140
Books .....	20— 30
Tuition and Fees .....	40— 125
Miscellaneous Expenses .....	15— 30
	<hr/>
	\$407—\$563

### IN PRIVATE FAMILIES

Board .....	\$160—\$220
Rooms .....	85— 130
Books .....	20— 30
Tuition and Fees .....	40— 125
Miscellaneous Expenses .....	15— 30
	<hr/>
	\$320—\$535
Out of State tuition, per year .....	100— 100

## Self-help

Many of the graduates of the College have been persons of very limited means who worked their way through. While the College cannot guarantee work to all applicants, enterprising students can usually find employment in the town with satisfactory compensation for all the time they can profitably spare from their studies. Some earn enough to meet the greater part

of their expenses. Students should distinctly understand that when they attempt entire self-support they will find it necessary to lengthen their term of study.

## Industrial Experience

Each candidate for a degree in general technology and engineering and in glass technology and engineering may be required to spend one summer period of ten weeks, or the equivalent, in an approved industrial plant and to turn in a satisfactory report, together with a certifying letter from the person in charge of the work.

## DEPARTMENTS OF INSTRUCTION

### A. DEPARTMENT OF GENERAL CERAMIC TECHNOLOGY AND ENGINEERING

Mr. Holmes  
Mr. Amberg

Mr. Campbell  
Mr. Lobaugh

Mr. Merritt

The courses of study in the department of general ceramic technology and engineering are designed to train students for any of the clay products or other closely allied ceramic industries. The technical and engineering aspects of these industries are covered in a fundamental way so that the graduate may enter any of them.

In addition to the general cultural training, which applies to all departments of the college, training in the department is intended to give the student, first of all, a thorough grounding in the fundamental sciences of mathematics, chemistry, and physics. This work occupies most of the first two years. It is followed by an application of these sciences to the technical and engineering problems of the ceramic industries.

The ceramic industries are those manufacturing products out of non-metallic, earthy, raw materials by firing operations. They include the lime, gypsum, cement, enamel, glass, refractories and clay industries. The last, which is the most important of the group includes the common brick, face brick, drain tile, sewer pipe, wall, floor and roofing tile, hollow block, fire brick, insulator, porcelain, whiteware and pottery industries. Most of the work of this department is devoted to the clay industry. All operations in these industries are studied thoroughly from both technical and engineering points of view. The objective is to give the student such a broad and fundamental training that after adequate industrial experience, he may qualify for work in connection with any phase of the building and operation of any kind of ceramic plant.

## CURRICULUM General Technology and Engineering

First Year			
First Semester		Second Semester	
Mathematics 1	5	Mathematics 1	5
Chemistry 1	4	Chemistry 1	4
English 1	3	English 1	3
Ceramics 151	½	Ceramics 102	1
Drafting	3	Drafting	3
Physical Training	1	Physical Training	1
Assembly	½	Assembly	½
		Ceramics 152	½
17		18	

### SUMMER SCHOOL

Ceramics 100, Plane Surveying..... 3 credit hours  
3 weeks following end second semester

Second Year			
Mathematics 3a	4	Mathematics 3b	4
Physics 1	4	Physics 1	4
Chemistry 2	3	Chemistry 3	3
Ceramics 103	3	Ceramics 104	3
Mineralogy	3	Ceramics 154	2
Physical Training	1	Physical Training	1
Assembly	½	Assembly	½
8½		17½	

Third Year			
Ceramics 113	1	Mechanics	3
Mechanics	3	Chemistry 6a	2
Chemistry 6a	4	Ceramics 106	3
Ceramics 105	3	Chemistry 5	3
Chemistry 4	3	Geology	3
Ceramics 155	3	Ceramics 156	3
Ceramics 107A	1	Chemistry 6b	1
		Ceramics 107B	1
18		19	

Fourth Year			
Economics	2	Ceramics 107C	1
Physics 2	3	Ceramics 162	2
Power and Machinery	2	Power and Machinery	2
Petrography 1	3	Elective	4
Elective	4	Ceramics 114	4
Ceramics 161	2	Ceramics 116	3
Professional English	2	Economics	2
18		18	

The electives are to be chosen with the consent of the Dean from the following subjects: German or French, seven hours; Petrography, two hours; Glass Technology, seven hours; Portland Cement, Lime, Gypsum, three hours; Enamels, four hours; Applied X-ray, four hours; Advanced Physical Chemistry, two hours; Economics, four hours.

## **Description of Courses in General Ceramic Technology and Engineering**

- Ceramics 102. An introduction to the study of ceramics. The study of ceramic raw materials is introduced.  
One lecture per week; second semester.  
One credit hour.
- Ceramics 151. An introduction to the use of ceramic apparatus and equipment. One laboratory period per week; first semester. One half credit hour.
- Ceramics 152. An introduction to the use of ceramic apparatus and equipment. The making of forms, molds, and dies. Making saggers, jiggering, pressing and casting pottery is included.  
One laboratory period per week; second semester.  
One half credit hour.
- Ceramics 103. Ceramic Raw Materials. A detailed study of the chemical and physical properties of the important ceramic raw materials in relation to the manufacturing operation and the properties of ceramic products.  
Three lectures per week; first semester.  
Three credit hours.
- Ceramics 104. Processing of Clays. An engineering course dealing with the manufacturing operations of the industry up to the operations of drying and firing.  
Three lectures per week; second semester.  
Three credit hours. Prerequisite Ceramics 103.
- Ceramics 154. Laboratory Testing of Ceramic Materials.  
Two laboratory periods per week; second semester.  
Two credit hours. Prerequisite Ceramics 103.
- Ceramics 105. Drying and Firing. This course deals with the technology and engineering aspects of the commercial drying and firing of all types of ceramic products.  
Three lectures per week; first semester.  
Three credit hours. Prerequisite Ceramics 104.

- Ceramics 155. Ceramic Processes and Products. A laboratory course dealing with the manufacturing operations involved in forming and firing various types of ceramic products.  
Three laboratory periods per week; first semester.  
Three credit hours. Prerequisite Ceramics 104.
- Ceramics 106. Whitewares. A study of bodies, glazes and colors. A specialized course in the technology and engineering aspects of the industry in which complex mixtures and glazing are employed.  
Three lectures per week; second semester.  
Three credit hours. Prerequisite Ceramics 105.
- Ceramics 156. Laboratory Practice in Whiteware Technology. The preparation of bodies and the application of glazes.  
Three laboratory periods per week; second semester.  
Three credit hours. Prerequisite Ceramics 105.
- Ceramics 107. Ceramic Calculations. Practice in the solving of problems dealing with the subject matter of the other courses.  
107A. One lecture per week; first semester.  
One credit hour. Prerequisite Ceramics 104.  
107B. One lecture per week; second semester.  
One credit hour. Prerequisite Ceramics 105.  
107C. One lecture per week; second semester.  
One credit hour. Prerequisite Chemistry 6.
- Ceramics 161. Thesis. Original research on some ceramic problem decided upon in conference with the instructor.  
Two laboratory periods per week; first semester.  
Two credit hours. Prerequisite Ceramics 106.
- Ceramics 162. Thesis. Continuation of Ceramics 161.  
Two laboratory periods per week; second semester.  
Two credit hours. Prerequisite Ceramics 106.

Ceramics 113. Pyrometry. Laboratory practice on the problems of handling pyrometric installations of the optical, radiation and thermoelectric types.

One laboratory period per week; first semester.

One hour credit. Prerequisite Ceramics 106.

Ceramics 114. Refractories and heavy clay products. The materials, manufacturing operations, properties, and uses of all kinds of refractories. A brief consideration of the more important heavy clay products.

Four lectures per week; second semester.

Four credit hours. Prerequisite Ceramics 106.

Ceramics 115. Lime, Gypsum, and Cement. The properties, manufacture, and uses of cementing materials. Optional.

Three lectures per week; first semester.

Three credit hours. Prerequisite Ceramics 104.

Ceramics 116. Design and Plant Layout. The engineering features of plant equipment for drying and firing ceramic wares; the design of this equipment and the layout of a complete typical plant.

Three laboratory periods per week; second semester.

Three credit hours. Prerequisite Ceramics 106.

Ceramics 118. Enamels. The technology and engineering aspects of the application of enamels to metals. Optional.

Two lectures per week; second semester.

Two credit hours. Prerequisite Ceramics 104.

Ceramics 168. Laboratory practice in Enamels.

Two laboratory periods per week; second semester.

Two credit hours. To be taken with Ceramics 118.

## B. DEPARTMENT OF GLASS TECHNOLOGY

Mr. Scholes

These courses, together with the mathematical, scientific, and cultural courses of the entire curriculum B, should prepare the graduate for immediate usefulness in the glass industry.

They are also presented as a foundation for research work in glass and allied fields of silicate technology.

In addition to these undergraduate courses, the department offers an opportunity for research work on glass problems by those who have adequate preparation, either in schools or in plant practice.

Glass manufacturers who desire to give their employees further training, or to establish fellowships for work upon their special problems, are offered the facilities of the laboratories.

### CURRICULUM

#### Glass Technology

##### First Year

<i>First Semester</i>		<i>Second Semester</i>	
Mathematics 1 .....	5	Mathematics 1 .....	5
Chemistry 1 .....	4	Chemistry 1 .....	4
English 1 .....	3	English 1 .....	3
Drafting .....	3	Drafting .....	3
Ceramics 151 .....	½	Ceramics 102 .....	1
Physical Training .....	1	Ceramics 152 .....	½
Assembly .....	½	Physical Training .....	1
		Assembly .....	½
<hr/>		<hr/>	
17		18	

##### SUMMER SCHOOL

Ceramics 100, Plane Surveying..... 3 credit hours

3 weeks following end second semester

##### Second Year

Mathematics 3a .....	3	Mathematics 3b .....	3
Physics 1 .....	5	Physics 1 .....	5
Chemistry 2 .....	3	Chemistry 3 .....	3
German 1 .....	3	German 1 .....	3
Ceramics 103 .....	3	Ceramics 200 .....	3
Physical Training .....	1	Physical Training .....	1
Assembly .....	½	Assembly .....	½
<hr/>		<hr/>	
18½		18½	

Third Year			
Chemistry 4	3	Chemistry 5	3
Chemistry 6a	4	Chemistry 6a	2
German 2	3	Chemistry 6b	1
Mineralogy	3	German 2	3
Ceramics 201	2	Geology	3
Ceramics 251	2	Ceramics 202	2
Ceramics 113	1	Ceramics 252	2
		Elective	2
	18		18

Fourth Year			
Physics 2	3	Ceramics 114	4
Mechanics	3	Mechanics	3
Ceramics 203	3	Ceramics 204	2
Ceramics 253	1	Ceramics 262	2
Ceramics 261	2	Economics	2
Economics	2	Ceramics 254	1
Petrography 1	3	Elective	3
Professional English	2		
	19		18

The elective is to be chosen with the consent of the Head of the Department from the following subjects: General Ceramics, German, Economics, French, Chemistry, Petrography, X-ray Analysis.

### Description of Courses in Glass Technology

**Ceramics 200. Raw Materials for Glass.** The Chemistry of the glass-forming oxides. A study of the methods of production of the minerals and chemicals used in glass; their chemical reactions and properties.

Three lectures per week, second semester.

Three credit hours.

**Ceramics 201 and 251. Glass-Making Materials and Melting Processes.** An elementary laboratory study of raw materials; methods of testing for purity, chemical composition, functions in glass-melting. Simple glasses are melted and the melting process studied in relation to refractories, containers, temperatures, batch composition, and fining agents. Lectures, study-outlines, and refer-

ences to the literature of glass, covering raw materials, furnace design and operation, tank blocks and pots, the fundamental chemistry of glass-making and calculations. Two lectures, two laboratory periods per week, first semester.

Four credit hours.

Prerequisite, two years college work in Science or equivalent experience.

**Ceramics 202 and 252. Glass-Working and Testing.** Laboratory studies of glasses for specific commercial purposes; demonstrations of hand-working by skilled workmen; studies of annealing; testing of laboratory and commercial specimens for strain, mechanical and chemical resistance, and visible defects.

Lectures, recitations and reports on compounding glasses, working processes, annealing, finishing, etching and other forms of decoration, testing and defects in commercial glassware.

Two lectures, two laboratory periods per week, second semester.

Four credit hours.

**Ceramics 203 and 253. Glass Colors and Decolorizing.** A laboratory study of colorants. Experimental meltings demonstrating the effects of the common and unusual colorants, the influence of batch and glass compositions, studies of temperature, time and furnace atmosphere with relation to colors. Similar practice in decolorizing crystal glass.

Lectures and reading assignments. Two lectures, two laboratory periods per week, first semester.

Four credit hours.

**Ceramics 204 and 254. The Physics of Glass.** Laboratory practice in the measurement of the physical and optical properties of glass. The identification of defects. Both

laboratory specimens and commercial glasses will be examined.

Lectures on relation between composition and specific physical properties; optical properties; constitution theory; historical development.

Two lectures and two laboratory periods per week, second semester.

Four credit hours.

Ceramics 261. Glass Thesis. Laboratory study of a problem selected in conference with the department head.

Two laboratory periods, first semester.

Two credit hours.

Ceramics 262. Glass Thesis. Continuation of Ceramics 261, second semester.

Two laboratory periods, second semester.

Two credit hours.

### C. DEPARTMENT OF CERAMIC ART

Miss Fosdick

Miss Nelson

Mr. Schreckengost

Mr. Merritt \*

Miss Hewitt \*

The courses of study in ceramic art provide for the training of students as artisans and designers for the ceramic industries. A thorough fundamental training in drawing and the general principles of design constitute the approach to this objective. This is followed by the study of the ceramic technology of bodies, glazes and colors which discloses the possibilities and limitations of ceramic materials. The training is completed by the application and correlation of these ceramic art fundamentals in form and color to the production of ceramic ware.

\* Part time instructors.

### CURRICULUM

#### Ceramic Art

##### First Year

<i>First Semester</i>		<i>Second Semester</i>	
Ceramics 321 (Drawing)....	6	Ceramics 322 (Drawing) ...	6
Ceramics 323 (Design) .....	3	Ceramics 324 (Design) .....	3
Ceramics 325 (Modeling) ...	2	Ceramics 326 (Modeling) ...	2
English 1 .....	3	English 1 .....	3
Mechanical Drawing .....	2	Mechanical Drawing .....	2
Physical Training .....	1	Physical Training .....	1
Assembly .....	1/2	Assembly .....	1/2
17 1/2		17 1/2	

##### Second Year

Ceramics 327 (Drawing) ...	6	Ceramics 328 (Drawing) ...	6
Ceramics 329 (Design) .....	3	Ceramics 330 (Design) .....	3
Ceramics 331 (Modeling) ...	2	Ceramics 332 (Modeling) ...	2
English 2 .....	3	English 2 .....	3
Chemistry .....	3	Chemistry .....	3
Physical Training .....	1	Physical Training .....	1
Assembly .....	1/2	Assembly .....	1/2
18 1/2		18 1/2	

##### Third Year

Ceramics 333 (Drawing) ...	5	Ceramics 334 (Drawing) ...	5
Ceramics 335 (Design) .....	4	Ceramics 336 (Design) .....	4
Ceramics 337 (Pottery) ....	4	Ceramics 338 (Pottery) ....	4
Drafting .....	2	Drafting .....	2
Ceramics 103 .....	3	Elective .....	3
18		18	

##### Fourth Year

Ceramics 339 (Drawing) ...	5	Ceramics 340 (Drawing) ...	5
Ceramics 341 (Design) .....	4	Ceramics 342 (Design) .....	4
Ceramics 343 (Pottery) ....	5	Ceramics 344 (Pottery) ....	5
Ceramics 345 (History of Art) 2		Ceramics 346 (History of Art) 2	
Elective .....	2	Elective .....	2
18		18	

Subject to approval of the head of the Art Department, electives may be chosen from the following studies: Languages, History, Economics, General Ceramic Technology, Glass Technology, and they may be substituted for the second year of English.

## Description of Courses in Ceramic Art

Ceramics 321, 322, 327, 328, 333, 334, 339, and 340. (Drawing)

Drawing practice in construction and organization of simple geometric forms. Still life, drawing from Museum specimens of bird and animal life, landscape and architectural forms. Life drawing from models. Lettering including a survey of the development of the alphabet, practice with various types of alphabets and their uses, and problems in letter arrangement. Composition in still life, life and landscape. Anatomical studies. (Mechanical perspective, isometric and oblique projection drawing are given in the courses in drafting.) Rendering in water color, crayon and pencil.

Forty-four credit hours.

Ceramics 323, 324, 329, 330, 335, 336, 341, and 342. (Design)

The general underlying principles of design and their expression in various materials. The plastic possibilities of materials and processes in relation to function. Practice in the development of general design problems. Special problems in three dimensions and surface design. The theory of color. Media: Charcoal, crayon and water-color.

Twenty-eight credit hours.

Ceramics 325, 326, 331, 332. (Modeling)

Historic ornament, anatomical modeling, life and three dimensional composition. An intensive course of free modeling preparatory to the designing of ceramic products in the round or of those having surfaces in relief or intaglio. Creative arrangements supplement the use of casts. Anatomical modeling from life. Carving of surfaces in plaster or wood.

Eight credit hours.

Ceramics 337, 338, 343, and 344. (Pottery).

The application of industrial ceramic design and the knowledge of the theory and practice of clay working

and the composition and uses of glazes. Application of theory to the shaping of wares. The development of skillful technique in the decoration of ware.

Eighteen credit hours.

Ceramics 345 and 346. (History of Art).

A study of the development of ceramic art in all countries. Factors influencing the decorative styles of each epoch. Rendering of selected examples of historic ceramic wares and ornaments of the various periods.

Four credit hours.

## OTHER REQUIRED COURSES

The catalogue of Alfred University gives descriptions of the required courses which do not deal with ceramic subjects and which are not given in the Ceramic College. Those given in the Ceramic College are described below:

### CHEMISTRY

Mr. Rice

Mr. Cortelyou

Qualitative Analysis 1. Qualitative analysis of metals and inorganic compounds and the chemical principles involved. Prerequisite, Chemistry 1. *Three hours, I.*

Quantitative Analysis 2. Volumetric and gravimetric analysis. Lecture, one period; laboratory, two periods. Prerequisite, Chemistry 2. *Three hours, II.*

Quantitative Analysis 3. The analysis of silicate rocks, clays, and ceramic materials. Lecture, one period; laboratory, two periods. Prerequisite, Chemistry 3. *Three hours, I.*

Fuels and Combustion 4. Fuels, principles of combustion, the heat balance. Prerequisite, Chemistry 3. *Three hours, II.*



Physical Chemistry 5. An elementary course in theoretical chemistry. Prerequisites, Chemistry 3; Mathematics 3a and 3b, Physics 1a and 1b. Four lectures, I; two lectures, II.

Advanced Physical Chemistry 5a. An advanced course for ceramic students. Two lectures, II. Prerequisite, Chemistry 5. *Two hours, II.*

Physical Chemistry Laboratory 6b. One period, II. This course is to be taken with Chemistry 5. *One hour.*

## GEOLOGY AND MINERALOGY

Mr. Amberg

Mr. Lobaugh

Mr. Campbell

Mineralogy (a). This course includes an introduction to crystallography and a study of minerals and their identification by chemical and physical tests.

One lecture and two laboratory periods per week.

First semester. Three credit hours.

Geology (a). This is a course in general geology with special reference to the materials of ceramic importance.

Three lectures per week; second semester.

Three credit hours.

Petrography 1. Practical Petrography. A course designed to prepare the student for the microscope work ordinarily required in the average ceramic plant.

Two lectures and one laboratory period per week.

First semester; three credit hours. Prerequisite Ceramics 105.

Petrography 2. The practical use of the petrographic microscope in identifying crystals of natural and artificial minerals. Optional.

Two laboratory periods per week; second semester.

Two credit hours. Prerequisite Petrography 1.

Applied X-rays. The study of X-ray diffraction as applied to the examination of ceramic materials.

One lecture and one laboratory period per week; first and second semesters.

Two credit hours per semester.

## INDUSTRIAL TESTS AND RESEARCH

### Clay Testing

Mr. Holmes

Mr. Rice

Mr. Amberg

Mr. Merritt

Mr. Campbell

The State College of Ceramics is fitted and the experts in charge are qualified, for the professional examination and testing of clays for economic purposes. Charges in line with those of industrial laboratories are made.

A report upon each sample will be furnished and must be understood to refer only to the samples submitted unless the experts are instructed to examine the deposit and prepare their own samples, in which case special charges will be made. The report includes physical tests and chemical analysis where necessary.

Advice as to washing or other preparation of the clay is also given, together with an opinion as to the industry to which the material may be applied.

The tests include chemical analyses, and all the physical tests employed in the industry. Research on any ceramic problems will be undertaken. Manufacturers are invited to present questions for study. Persons resident within the State are entitled to reasonable services without charge.

## DEGREES CONFERRED

June 11, 1934

### Bachelor of Science

(Course in General Technology and Engineering)

Benjamin Franklin Dewey	Wellsville
Lawrence Steinhauser Hopper	Buffalo
William Paul Kingsley	Newburgh
Robert Martin Razey	Hornell
Adolph Gottfried Reitz	Bolivar
Owen Joseph Reynolds	Addison

### Bachelor of Science

(Course in Glass Technology)

Alva Stewart Arwine	Hornell
Rosario Casimir Cibella	Alfred
Earl Kilmer Davis	Rushford
Glenn Albert Gregory	Skaneateles
Crawford William Hallett	Canisteo
Lester Max Henry	Hornell
William Whitney Kuehn	Franklinville
Lewis Donald Morris	Conesus
Richard Wilson Ricker	Olean
Theodore Roosevelt TenBroeck	Newburgh
Walter Ivan Tolbert	Elmira
Vincent Eldridge Wessels	Avoca
Albert Vincent Young	Buffalo

### Bachelor of Science

(Course in Applied Art)

Lammechiena Bakker	Plainfield, N. J.
Edna Margaret Bastow	Dobbs Ferry
Elsie Ferrar Bonnet	Ridley Park, Pa.
Dorothy Helen Eaton	Oneida
Elsie Mae Hall	Buffalo
Mary Jane Hawk	Kittanning, Pa.
Dorothy Ruth House	Chester
Theola Evelyn Kilburn	Little Valley
Marjory Phyllis Leach	Whitesville
Mary Rightmire Olney	Waverly
Helen Louise Smathers	Bradford, Pa.
Wilma Myrtle Smith	Cuba
Winifred Elizabeth Stillman	Alfred
Mary Stillwell Train	Savannah, Ga.
Jennie Louise Vincent	Alfred
Miriam Helene Walton	Canastota
Hazel Almeda Watts	Pine City
Vera Mildred Weston	Niagara Falls

### Master of Science

(Course in General Technology and Engineering)

Leland Reuben Armstrong	Alfred
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## REGISTRATION OF STUDENTS 1934-35

### SENIORS

Name	Residence	Course
Adessa, Philip Patrick	Cortland	Gen.
Armant, Marjorie Lala	Johnson City	Art
Bailey, Lucile Cushing	Olean	Art
Butler, William Francis	Troy	Glass
* Chous, Michael	Spring Valley	Gen.
Clark, Charles Walter	Bath	Art
Corsaw, Roger De	Alfred	Art
DeWitt, Mary Georgiana	Alfred	Art
Davies, Jr., Chester Alan Arthur	Queens Village	Gen.
Day, Mary Kathryn	Hornell	Art
Douglass, Frances Millicent	Brooklyn	Art
Emery, Mary Josephine	Beacon	Art
Fedor, Andrew Joseph	Franklin, N. J.	Gen.
Firestine, Arthur George	Warsaw	Gen.
Gillespie, Elizabeth Bond	New Haven, Conn.	Art
Greene, Kenneth Titsworth	Alfred	Glass
Hawkes, William Stuart	Manchester	Gen.
Johnson, Howard Allen	New York City	Gen.
Kent, Joseph Peter	Brooklyn	Gen.
Knapp, James Louis	Avoca	Glass
Kohn, Lester Peter	Brooklyn	Glass
Landis, Mildred Miller	Alfred	Art
McNamara, Edward Paul	Troy	Glass
Perkins, Edward Floyd	Salamanca	Gen.
Reimer, John Joseph	Hamburg	Gen.
Richmond, Joseph Carol	Alfred	Gen.
Riley, Jr., Charles Phillip	Hornell	Glass
Sarandria, Joseph Anthony	West New York, N. J.	Gen.
Scilken, Morton	Astoria	Gen.
Smigrod, Gilbert	Cedarhurst	Glass
Smith, Frank Lynn	Cuba	Art
Townsend, Leslie Winfield	Salamanca	Gen.

\* Work Completed

### JUNIORS

Name	Residence	Course
Austin, Lewis Martin	Pleasantville	Glass
Barvian, Margaret Anna	White Plains	Art
Bates, Thelma Mary	Vernon	Art
Bennett, Philip Morgan	Rockville Center	Gen.

Name	Residence	Course
Besley, John Seward	Elmira	Gen.
Bragg, Virginia Page	Norfolk, Va.	Art
Childs, Robert Lewis	Cuba	Gen.
Cooley, Jr., Robert Emmett	Batavia	Gen.
Corbman, Morris	Spring Valley	Gen.
Crafts, Helen Elizabeth	Rochester	Art
Cutler, Morris Aaron	New York City	Glass
DeRossi, Rose	Amsterdam	Art
Earl, Doris Potter	Bayonne, N. J.	Art
Engelder, Theodore Oscar	Wellsville	Gen.
Evans, Charles Edwin	Skaneateles	Gen.
Felter, Jr., Warren Biart	Bogota, N. J.	Glass
French, Preston Wesley	Avoca	Gen.
Gibbons, Jr., James Arthur	Gogota, N. J.	Gen.
Haines, Elliot Van Cleaf	Forked River, N. J.	Gen.
Hayward, Donald	White Plains	Gen.
Hedges, Lee Minor	West Valley	Gen.
Hodges, Eric George	Ogdensburg	Glass
Horton, Adalaide Ranlet	Niagara Falls	Art
Jackson, Arthur Curtis	Burnt Hills	Gen.
Jewart, Charles Nelson	Blasdell	Gen.
Kegan, Elmer Joseph	Glens Falls	Gen.
Keppen, Mary Ernestine	Castile	Art
Lampman, Jr., Charles Major	DuBois, Pa.	Gen.
Loytty, Eric Helge	Corning	Glass
Mason, William Beecher	Yonkers	Gen.
Mautner, Bernice Beth	Far Rockaway	Art
Minnick, Daniel	Salamanca	Glass
Muffitt, John Albert	Lewiston	Art
Murray, Robert Smith	Cedarhurst	Glass
Nevins, John Condict	Hornell	Glass
Oldfield, Bernard Edward	Buffalo	Gen.
Ostrander, Eugene Cowles	Olean	Glass
Palmer, Helen Victoria	West New York, N. J.	Art
Phillips, Edwin Lewis	Carthage	Gen.
Pither, Leslie Francis	Yonkers	Glass
Potter, Maurice Richard	Wellsville	Glass
Prior, Harold David	Wellsville	Gen.
Radder, Mary Martha	Watertown	Art
Randall, Blossom Minnie	Machias	Art
Rodier, Julia Louise	Maple Springs	Art
Rosenberg, Elmer Edward	Brooklyn	Glass
Rotmans, Dorothy Grace	Rochester	Art
Safford, Hurd Winter	Keeseville	Gen.
Schatz, Stuart Christian	Hazleton, Pa.	Gen.
Schiffner, Louis James	Little Valley	Glass
Smith, Draper Battin	Belfast	Glass
Strong, Edgar Harold	Hastings-on-Hudson	Art
Stull, Jean Patricia	Olean	Art
Teal, Burton Stafford	Orchard Park	Gen.
Vogel, Ludwig William	Elmira	Glass
Wells, Vincent Edgar	Wellsville	Gen.

## SOPHOMORES

Name	Residence	Course
Almy, Thomas Mason	Hornell	Glass
Arnold, Dorothy Eunice	Fillmore	Art
Barvian, Jr., Eugene John	White Plains	Glass
Berry, Herbert George	Sea Cliff	Gen.
Blundred, Walter Samuel	Syracuse	Gen.
Brundage, Phillip James	Alfred	Glass
Buchholz, Russell Albert	Buffalo	Glass
Butler, Leo Forrest	Fillmore	Art
Crego, Russell Frank	Depew	Glass
Cudebec, Sidney Stone	Nunda	Gen.
Cudworth, Margaret Lucile	Delevan	Art
DeLong, III, Hermon Wells	Dansville	Glass
DiRusso, Nove George	Oceanside	Glass
Dodd, Dallas Edgar	Ogdensburg	Glass
Doran, Robert Francis	Elmira Heights	Glass
Eisert, Winifred Ann	Bolivar	Art
Eldredge, Ruth Estelle	Lake George	Art
Fargione, Michael Frank	Woodhaven	Glass
Forbes, Charles Campbell	Patchogue	Glass
Gallar, Sylvia	Rochester	Glass
Gardner, Howard Edson	Wellsville	Gen.
Gregory, George Spring	Elmira	Glass
Grow, Georgia Christine	Avon	Art
Haas, Roberta Jeanne	Amsterdam	Art
Hall, Robert Isbell	Painted Post	Gen.
Harding, Robert Stanley	Batavia	Gen.
Higgins, Zita Yeteve	Hornell	Art
Hitchcock, Paul Francis	Olean	Gen.
Hopkins, Donald Robert	Olean	Glass
Hulteen, Rnbert Julius	Hartford, Conn.	Art
Hummel, Imogene Alyce	Buffalo	Art
Jacobs, Harlan Frederick	Elmira	Gen.
Jacox, Marion Arlene	Alfred	Art
Jamison, Frances Virginia	Canisteo	Art
Jones, Hilmer Ward	Syracuse	Gen.
Jones, Maynard John	Wellsville	Gen.
Kocher, Daniel Wallace	Hornell	Gen.
Kunzman, Edward Eric	Elmira	Gen.
Kyser, Lester	Olean	Gen.
Landis, Orville Richard	Niagara Falls	Gen.
Lenz, Howard George	Cheektowaga	Gen.
Lull, Stanley Elbertson	Westfield	Glass
Mann, Gordon Palmer	Elmira	Glass
Manro, Anassimene Andrew	New York City	Glass
Merriam, Jack Gernon	Syracuse	Gen.
Miller, Russel Arnold	Liberty, Pa.	Gen.
Mitchell, David Louis	Millbrook	Gen.
Oberhanick, Nicholas	Elmira Heights	Glass
Oldham, Robert Terry	Elmira	Gen.
Orr, Stanley Craig	Garden City	Gen.

Name	Residence	Course
Overhiser, Elmer Harry	Beaver Dams	Glass
Pape, Raymond Anthony	Utica	Glass
Paquin, Wilfred Moise	Cortland	Gen.
Paul, Robert Chaplin Hulse	Islip	Glass
Pierce, Lloyd William	Alfred Station	Gen.
Powers, Paul Frederick	Hornell	Glass
Robins, Charles Arthur	Lake Ronkonkoma	Gen.
Ruggles, Francis Merton	Elmira	Gen.
Sandmeyer, Karl Henry	Holly	Gen.
Schachter, Norman	Sea Gate, Brooklyn	Glass
Sephton, Howard Irving	Patchogue	Gen.
Sheheen, Alexander Thomas	Hornell	Gen.
Shields, Thomas Edgar	Niagara Falls	Gen.
Shoemaker, Robert Francis	Woodhaven	Glass
Skinner, Robert Edward	Attica	Gen.
Smith, Alys Elizabeth	Penn Yan	Art
Smith, Fahy William	Hilton	Glass
Smith, Lloyd George	Rochester	Glass
Smith, Robert Wallace	Cuba	Glass
Smock, Alden Werner	Corning	Glass
Tesnow, Ralph Emerson	Akron	Gen.
Tucker, Roland Edward	Kendall	Gen.
Valdes, Thomas Hubert	Hollis	Gen.
Veazie, Munro Folsom	Coopers Plains	Gen.
Vincent, George Lester	Rockville Center	Gen.
Webb, Randolph Owen	Alfred	Art
†Whitney, Harold Dixon	Westfield	Gen.
Williams, Jean Frances	Rochester	A.T.
Winfield, Margaret Ellen	Windham, O.	Art
Young, William Oliver	Attica	Gen.

† Died October 22, 1934

#### FRESHMEN

Name	Residence	Course
Abel, Orlin Vincent	Verbank	Gen.
Albright, John William	Tonawanda	Art
Arnold, Aaron Russell	Elmira	Gen.
Ballard, Stanley Streeter	Hornell	Art
Barrows, Richard Hardy	Buffalo	Gen.
Bemis, Marion Alice	Canandaigua	Art
Brown, Constance Louise	Syracuse	Art
Bruns, Robert Franklin	Monticello	Gen.
Bulkley, Wilbur J.	Addison	Gen.
Burdett, Lois	Hornell	Art
Button, Helen Mae	Friendship	Art
Cameron, Martha Mary Treasa	Hornell	Art
Carney, Nelson Raymond	Greenwood	Gen.
Cohen, Alfred Allen	Brooklyn	Gen.
Cohen, Inez	Syracuse	Art
Conner, Harvey	Avon	Gen.

Name	Residence	Course
Cook, Wisner Henry	Andover	Gen.
Corbman, Philip	Spring Valley	Gen.
Creagh, Jr., Edward Francis	Hornell	Gen.
Deet, Belle Evangeline	Collins	Art
Derowitsch, Charles William	Dansville	Gen.
Donohue, Marjorie Imogene	Jordan	Art
Dykeman, Martin Earl	Dansville	Gen.
Edwards, Winifred Jane	Hornell	Art
Eggert, Dorothy Florence	Elmira	Art
Eiseline, Robert Lindner	Canandaigua	Gen.
Erdle, Robert Winsor	Silver Creek	Gen.
Fisher, Jr., Thomas	Skaneateles	Gen.
Forbes, Arthur Willard	Allegany	Gen.
Forgham, Royce Cornell	Stottville	Gen.
Francisco, Allen Charles	Alfred	Gen.
Friedman, Barnett	Brooklyn	Gen.
Glasser, Joseph	Rochester	Gen.
Gold, David	Brooklyn	Gen.
Gosch, Ruth Louise	Great Kills	Art
Gustin, Jud Allan	Bradford, Pa.	Gen.
Hammell, Richard Harold	Nunda	Gen.
Hand, Ralph Douglas	Addison	Gen.
Hansen, Ernst Frank	Highland Falls	Gen.
Hodgkins, James Henry	Elmira	Gen.
Holmes, Jr., Elmer Roe	Port Jefferson	Art
Horvath, Elizabeth Barbara	Hornell	Art
Hoyt, Mary Vincent	Ausable Forks	Art
Hughes, Robert James	Syracuse	Gen.
Hunt, Roger Thayer	Elmira	Gen.
Jacox, Leland Howard	Bolivar	Gen.
Jones, Rodney Andrew	Cameron	Gen.
Joseph, Abbott	Hornell	Gen.
Kapral, Jr., George	Corning	Gen.
Kelley, Adelaide Louise	Oneida	Art
Kelly, Thomas, A'Quinas	Hornell	Gen.
Kruger, Helen Elizabeth	Floral Park	Art
Lancione, Anthony Samuel	Silver Creek	Gen.
Lewis, Nora Rose	Bolivar	Gen.
Lomas, Kenneth Theodore	Westhampton Beach	Gen.
Lynch, Jr., John Francis	Yonkers	Gen.
Lynn, Bert Milton	Mt. Vernon	Gen.
McClellan, Thomas Roy	Lyons	Gen.
Matteson, Gilbert Donald	New Rochelle	Gen.
Merriam, Forest John	Syracuse	Gen.
Mickritz, Metro Joseph	Cohoes	Art
Miller, III, John Leland	Corning	Gen.
Mitchell, Arthur Lyon	Milbrook	Gen.
Moon, Doris Esther	Prattsburg	Gen.
Morgan, Ernest Lloyd	Corning	Gen.
Myers, Harold Douglas	Thornwood	Gen.
Nutt, Alfred Walter	Peekskill	Gen.
O'Brien, Ralph Kenneth	Bliss	Gen.

Name	Residence	Course
Ober, Mary Veronka	Eliot, Me.	Art
Park, Jr., Frank Augustus	Rockville Center	Gen.
Prokopec, James Charles	Elmira Heights	Gen.
Recktenwald, Catherine Anna	Hornell	Art
Reid, John Ogden	Staten Island	Gen.
Repsher, Samuel Irvin	Rochester	Gen.
Riegger, Harold Eaton	Perry	Art
Ryan, William Leo	Glens Falls	Gen.
Santomieri, Sebastian Lewis	East Rochester	Gen.
Saunders, Harriet Louise	Alfred	Art
Schake, John Arthur	East Rochester	Gen.
Schur, Robert Joseph	Churchville	Gen.
Schweitzer, Austin Jay	Cedarhurst	Gen.
Scott, Frances Lorraine	Ithaca	Art
Scott, Walter Gordon	New York City	Gen.
Shannon, Charles Joseph	Hornell	Gen.
Shoemaker, Montgomery Joseph	Olean	Gen.
Smith, Alexander Abram	Brooklyn	Gen.
Smith, Alfred William	Fonda	Gen.
Streeter, Marion Francis	Greenwood	Gen.
Suter, Barbara Ann	Elmira	Art
Swanson, Carl Albert	Afton	Gen.
Thomas, Richard Harold	Bergen	Art
Thomson, Everett Raymond	Warsaw	Gen.
Turck, Raymond Langworthy	Alfred	Gen.
Vance, Kenneth Alfred	Arcade	Gen.
Veit, David William	Hornell	Art
Vincent, Warda Alyce	Alfred	Art
Wallace, Edward Howland	Sherrill	Gen.
Wanmaker, Joyce	Hamburg	Gen.
Weber, Carl Arthur	Coopers Plains	Gen.
Wheeler, Jean Eleanor	Canaseraga	Art
Whitmore, Leonard Cecil	Sea Cliff	Gen.
Wilson, Jr., James Ezra	Buffalo	Gen.
Wilson, Ruth	Oneida	Art
Young, Roger Montgomery	Buffalo	Gen.

### SPECIALS

Name	Residence	Course
Colegrove, Marcia Elizabeth	Hornell	Art
Gilbo, Charles Foster	Albany	Gen.
Houze, Roger Joseph	Point Marion, Pa.	Art
Wessels, Vincent Eldridge	Avoca	Glass

### UNCLASSIFIED

Name	Residence	Course
Bentley, Francis Northrup	White Plains	Gen.
Davidson, Albert William	Friendship	Gen.
Houze, Jr., Armand Leon	Point Marion, Pa.	Glass
Sutherby, Thomas Foster	Hornell	Glass
Trumbull, George William	Corning	Gen.