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Central Technical School,
Toronto

THE
Courses of Study

IN THE
DAY CLASSES

OF THE

Central Technical School, Toronto

AND THE

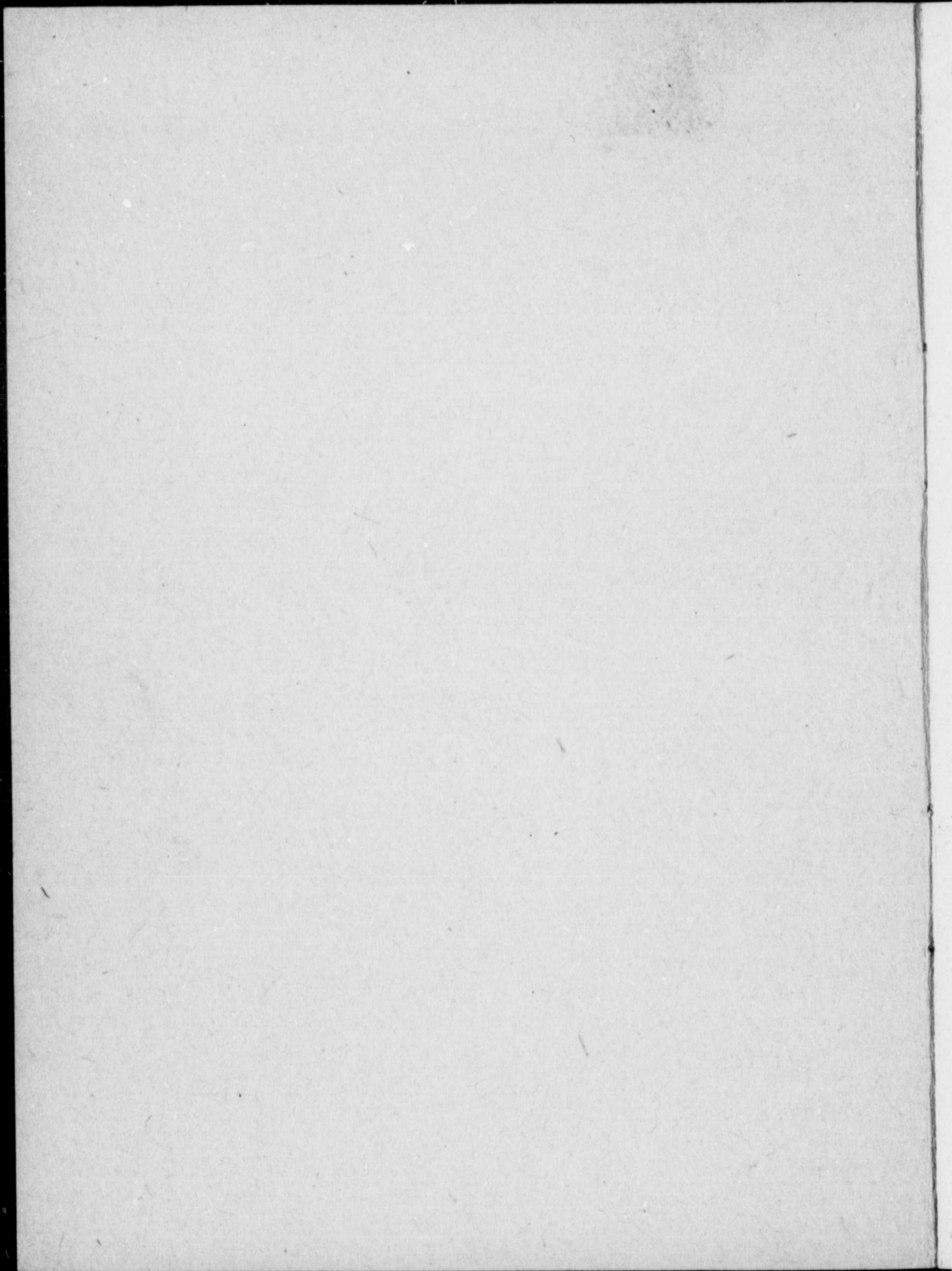
CONDITIONS OF ADMISSION

CENTRAL TECHNICAL SCHOOL

LIPPINCOTT AND HARBORD STREETS
TORONTO

*Printed at the School, for distribution among the
senior pupils of the Public and Separate
Schools of the City of Toronto*

1920



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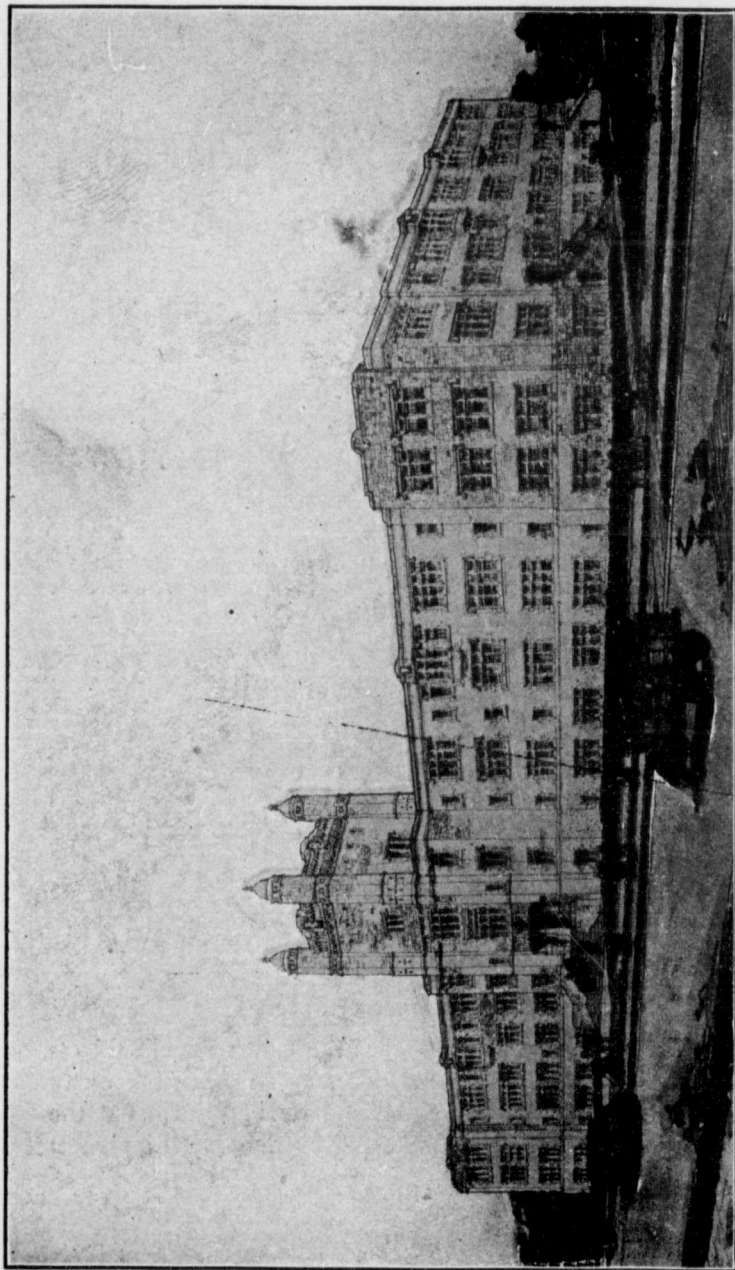
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The details concerning all of the Courses and Subjects are given in the School Calendar, an illustrated book of 120 pages, which may be obtained on application at the Office. Address Central Technical School, Lippincott Street, Toronto.



CENTRAL TECHNICAL SCHOOL, LIPPINCOTT AND HARBORD STREETS, TORONTO

I. *Industrial Course of Four Years*

FOR BOYS AND YOUNG MEN

This course prepares boys and young men for the pursuits of industrial and commercial life. The work of the first and second years is of a general character, and during these years the pupil spends at least one-third of his time in the shops at practical work. The work of the third and fourth years is specialized and provides definite training in various trades and callings. **Boys are admitted to the course who have Fourth Form standing in a Public or Separate School.** All text-books and necessary school supplies are provided free for the students in the First Year. There are **no tuition fees.**

The course includes the following subjects of study:—

Shopwork:—Elementary Woodwork, Pattern Making, Moulding, Plumbing, Electrical Wiring, Forging, Foundry Practice, Machine Shop Practice, Carpentry, Cabinet Making, Building Construction, Engine Lathe Work, Tool Making, Sanitation and Heating, Steam, Gas and Gasoline Engine, Power Plant, Painting and Decorating, Printing.

Drafting:—Mechanical Drawing, Perspective, Machine Drawing, Machine Construction, Architecture, Building Construction, Topographical Drawing, Lettering.

Chemistry:—Inorganic Chemistry, Organic Chemistry, Laboratory Work, Mineralogy, Geology, Analysis, Electroplating, Industrial Chemistry.

Physics:—Solids, Liquids, Gases, Electricity, Heat, Mechanics, Applied Electricity, Strength of Materials, Ventilation, Sound, Light.

Art:—Elementary and Advanced Drawing and Design, Color Work, History of Art, Art Composition, Clay Modelling.

Mathematics:—Arithmetic, Mensuration, Practical Measurements, Algebra, Geometry, Trigonometry, Surveying.

English:—Literature, Composition, Grammar, History, Geography, Civics.

Cadet Drill, Gymnastic and Swimming Exercises.

The course provides instruction for Architectural Draftsmen, Builders, Mechanical Draftsmen, Machinists, Plumbers, Sanitary Engineers, Printers, Painters and Decorators, Industrial Artists, Surveyors, Electricians, Operating Engineers, Industrial Chemists, etc.

II. Industrial Course of Three Years

FOR GIRLS AND YOUNG WOMEN

This course is planned to provide training for girls and young women who wish to prepare themselves for such occupations as that of Dressmaking, Machine Operating, Millinery, Costume Designing, Industrial Designing, Catering, Cookery for private homes, for public dining rooms, and for hospital patients, etc.

The work of the first year is general in character, but that of the second and third years is specialized to meet the needs of the individual student. **Students are admitted to the classes who have Fourth Form standing in a Public or Separate School.** All texts-books and necessary school supplies are provided free for the students in the First Year. There are **no tuition fees.**

The course includes the following subjects of study:—

Domestic Science:—Cookery, Dietetics, Hygiene, Marketing, Household Economics.

Domestic Art:—Sewing, Dressmaking, Designing, Millinery, Textiles, Home Decoration.

Art:—Elementary Drawing and Design; Craft Work; Principles of Form, Texture and Color Harmony applied to home life.

Science:—Physics and Chemistry directly related to the home.

Arithmetic:—As related to women's occupations.

English:—Literature, Composition, Grammar, History, Geography, Civics.

Drill, Gymnastic and Swimming Exercises.

III. Art Course of Three Years

This course in arts and crafts is intended to give a thorough preparation along art lines for those who desire to follow the work for industrial purposes. Pupils who desire to secure positions in the art departments of any of our industries, such as Engraving, Lithographing, Publishing, Illustrating, Advertising, Decorating, Ornamental Iron Work, Designing of Jewelry, etc., will find that this course provides the

necessary preparation. The regular course is arranged for three years, but those who wish to continue the work and further specialize along some one particular line may do so. **Pupils are admitted at the discretion of the Principal.** Those who have completed two years of an Industrial Course may enter upon the second year of this course by taking such portions of the first year's work as may not have been covered in the Industrial Course. There are **no tuition fees.**

The course includes the following subjects of study:—

Art:—Elementary Drawing, Lettering, Color, History of Art, Illustration, Industrial Design, Clay Modelling, Mechanical Drawing, Antique Drawing, Still Life, Blackboard Drawing, Interior Decoration, Pottery, Wood Carving, Metal Work and Jewelry, Stained Glass.

English:—Literature, Composition, Grammar.

French:—Grammar, Literature, Conversation.

Arithmetic:—A High School course.

Drill, Gymnastic and Swimming Exercises.

IV. Home Economics Course of Three Years

A HIGH SCHOOL COURSE FOR GIRLS AND YOUNG WOMEN

This is a High School course, which provides training in Home Economics for girls and young women who wish to become more proficient in home activities, and at the same time includes all the essentials of a good English education. **Pupils are admitted to this course who have Fourth Form standing in a Public or Separate School.**

The course includes the following subjects of study:—

English:—Literature, Composition, Grammar, History, Geography, Civics.

Domestic Art:—Sewing, Dressmaking, Designing, Millinery, Textiles, Home Decoration.

Domestic Science:—Cookery, Dietetics, Physiology and Hygiene, Laundry, Marketing, Household Economics.

Science:—Physics and Chemistry directly related to the home.

Arithmetic :—As related to women's occupations.

Art :—Elementary Drawing and Design ; Modelling ; Craft Work ; Principles of Form, Texture and Color Harmony applied to home life.

French :—Grammar, Literature, Conversation.

Drill, Gymnastic and Swimming Exercises.

Tuition Fees :—First Year, free ; Second Year, nine dollars ; Third Year, fifteen dollars.

V. Matriculation Course of Four Years

A TECHNICAL HIGH SCHOOL COURSE FOR BOYS AND YOUNG MEN

The course prepares students for the Matriculation Examination admitting to the Faculty of Applied Science of the University of Toronto, and Queen's University, Kingston. **Students who have High School Entrance standing are admitted to this course.**

The course includes all of the required subjects for the Matriculation Examination, and in addition, Mechanical Drawing, Shopwork in Wood and Metal, Cadet Drill, Gymnastic and Swimming Exercises.

Tuition Fees :—First Year, free ; Second Year, nine dollars ; Third Year, fifteen dollars ; Fourth Year, twenty-one dollars.

VI. Matriculation Course of Four Years

A TECHNICAL HIGH SCHOOL COURSE FOR GIRLS AND YOUNG WOMEN

This course prepares girls for University Junior Matriculation and gives them, in addition, such instruction as will fit them to enter the General Course in Household Science at the University of Toronto. A further course will be arranged for those who return for a fifth year, wishing to take Honour Matriculation and advanced work in Household Science in order to enter the Special Course in Household Science or Physiology and Household Science. **Students who have High School Entrance standing are admitted to this course.**

In addition to the required subjects of Matriculation, this course includes Domestic Art, Domestic Science, Drill, Gymnastic and Swimming Exercises.

Tuition Fees :—First Year, free ; Second Year, nine dollars ; Third Year, fifteen dollars ; Fourth Year, twenty-one dollars.

VII. Special Part-Time Industrial Courses

Tuition Fees:—Two Dollars a term for each half-day a week, excepting where otherwise stated. No fees are charged in the case of pupils who are engaged in industrial work and who are permitted by their employers to attend day classes.

There are special classes in the following subjects:—

Architectural Drawing, Machine Drawing, Sheet Metal Drafting, Art and Design, Modelling in Clay, Printing, Painting and Decorating, Pottery, Wood Carving, Metal Work and Jewelry, Stained Glass, Carpentry and Building Construction, Bricklaying, Plumbing and Steam and Gas Fitting, Power Plant Engineering, Gas Engines and Automobiles, Electric Wiring, Electrical Testing, Strength of Materials, Telegraphy, Cement and Concrete Testing, Interior and Exterior Lighting, Mineralogy, Chemistry, Electroplating, Mathematics, Practical Surveying, Sewing, Dressmaking, Millinery, Embroidery, Power Operating, Textiles, Cookery (Fee \$3.00 a term for one lesson a week), Bread Making (Fee \$1.00 for six lessons).

Preliminary Training for Nurses:—Fee \$14.00 for the course. This course is designed to meet the needs of young women who wish to enter a hospital for training. The course extends over six months, from September 15th to March 31st, and again from the first of January to the end of June.

Housekeepers' Course:—Fee \$14.00 for the course. This course affords opportunity for training in the subjects which specially concern the homemaker. The work is planned for a six months' course, from September 15th to March 31st, and again from the first of January to the end of June.

Course for Dietitians:—Fee \$14.00 for the course. This course is planned for young women whose services are required in the diet kitchens of the modern hospital. The course extends over six months, from September 15th to March 31st, and again from the first of January to the end of June. **Students must have had at least the equivalent of two years' High School work, including special work in cookery.**

Houseworkers' Course:—Fee \$5.00 for the course. A three months' course; two afternoons a week. Subjects:—Cookery, Sewing, Household Economics.

Admission

New classes for pupils beginning the Industrial Courses are formed September 1st, January 1st and April 1st, and pupils who have Fourth Form standing in a Public or Separate School are admitted on these dates.

Lunch Rooms

As pupils attending the Day Classes of the Central Technical School come from all parts of the City, provision is made to serve hot, light lunches at the noon hour. Two large lunch rooms are provided for this purpose. The average cost of the School lunch is about ten cents.