I The TECH

Institute Gives Official Outline of War-Time Educational Program

The urgent need for men with high-frequency technical training is so great that it is necessary for them to enroll both in industry and in the armed forces. As early as May 31st, the Institute's fundamental plan of instruction continued unequivocally. War-time adjustments therefore constitute an intensification of effort rather than a change in method. The statements below cover the question of training men engaged in industry and in the armed forces, and it is asked regarding the war program.

**Accelerated Program**

Under present conditions the Institute finds the normal eight-semester "extreme-speed" plan for its students unsatisfactory. The fact that such a plan would weaken rather than strengthen the war effort, and would not contribute to the war effort, and could retard rather than expedite output, has led to this decision. It has been taken with the active cooperation of the Army, Navy, and other industrial officers and industrial workers who are thoroughly aware of the urgent need for well-trained scientists and engineers. The Institute believes that the national effort requires strengthening, rather than a weakening of educational projects, and this is the more imperative because both the war and our educational institutions demand call for men of superior education in as rapid a manner as possible.

The calendar of the first three years will accordingly be left unaltered. The First Year class will enter in September as usual. The calendar of the second term is the same as the first term, and two years will be available for seniors in the first three years. Exemptions from part of this time will be devoted to the summer courses normally required in various academic subjects. The work of the last undergraduate years will begin in June following the completion of the third year, and will be conducted primarily according to the following plan:

The usual policy will be to continue enrollment of qualified students, to anticipate anticipated, and to take advantage of the opportunities in subjects in which they have not been enrolled, in order to complete the requirements of the program. Most of the basic subjects of the first three years will, as heretofore, be offered also in the summer term.

The formal action of the Faculty in approving the South Summer Term formation of a plan for the following year:

- Students desiring senior subjects for the Senior Term shall not be required to enroll in the summer term, and those second-semester senior subjects given for the Fall Term shall be repeated for seniors in the Spring Term.

**Course I. Civil Engineering**

I Water Works and Sewerage; (2) Transportation and Flood Control.

- **First Period**
  - 1.2 Transporation Engineering 44
  - 2.11 Transportation Engineering 44
  - 12.91 44
  - 12.91 44
  - 12.91 44

- **Second Period**
  - 1.0 Bridge Design 44
  - 2.41 Heat Engineering 44
  - General Study 44

**Course II. Mechanical Engineering**

Option A. General

- **First Period**
  - 1.23 Heat Engineering 44
  - 6.76 Elec. in Industry. App. 44
  - 397 Comp. Pol. Institutions 44

- **Second Period**
  - 1.21 Applied Mechanics 44
  - 2.32 Engineering Metals 44
  - 2.11 Power Engineering 44
  - 2.72 Machine Design 44

**Option B. Materials and Design**

- **First Period**
  - 2.43 Heat Engineering 44
  - 6.76 Elec. in Industry. App. 44
  - 397 Comp. Pol. Institutions 44

- **Second Period**
  - 1.21 Applied Mechanics 44
  - 2.32 Engineering Metals 44
  - 2.11 Power Engineering 44
  - 2.72 Machine Design 44

**Option C. Metallurgy**

- **First Period**
  - 3.50 Metall. Thermodynamics 44
  - 3.59 Metallurgy 44
  - 3.41 Light Alloys 44
  - 3.50 X-ray Microscopy 44

- **Second Period**
  - 2.31 Testing Materials Lab. 21
  - 3.40 Corrosion & Heat Treated. Alloys 44
  - 6.60 Electrical Eng., Elec. 44
  - General Study 44

**Course III. Metallurgy**

Option 1. Metallurgy

- **First Period**
  - 3.50 Metall. Thermodynamics 44
  - 3.59 Metallurgy 44
  - 3.41 Light Alloys 44
  - 3.50 X-ray Microscopy 44

- **Second Period**
  - 2.31 Testing Materials Lab. 21
  - 3.40 Corrosion & Heat Treated. Alloys 44
  - 6.60 Electrical Eng., Elec. 44
  - General Study 44

**Course IV. Architecture**

- **First Period**
  - 4.01 Drawing Practice 44
  - 4.01 Drawing Practice 44
  - 4.01 Drawing Practice 44
  - Architectural Design V 44

- **Second Period**
  - 1.21 Bridge Design 44
  - 2.41 Heat Engineering 44
  - General Study 44

**Course V. Chemistry**

- **First Period**
  - 5.01 Inorgan. Chemistry 44
  - 5.31 Organic Chemistry 44
  - 5.31 Organic Chemistry 44

- **Second Period**
  - 5.01 Inorgan. Chemistry 44
  - 5.31 Organic Chemistry 44
  - 5.31 Organic Chemistry 44

**Course VI. Electrical Engineering**

Option 1. Power (War VI)

- **First Period**
  - 6.00 Engineering, Elec. 44
  - 6.15 Electrical Eng., Prin. 44
  - General Study 44

- **Second Period**
  - 1.21 Applied Mechanics 44
  - 2.32 Engineering Metals 44
  - 2.32 Engineering Metals 44

**Course VII. Biology and Biomedical Engineering**

- **First Period**
  - 7.00 Biology and Biochemistry 44
  - 7.00 Biology and Biochemistry 44

- **Second Period**
  - 7.00 Biology and Biochemistry 44
  - 7.00 Biology and Biochemistry 44

**Course VIII. Public Health**

- **First Period**
  - 8.00 Public Health 44
  - 8.00 Public Health 44

- **Second Period**
  - 8.00 Public Health 44
  - 8.00 Public Health 44

**Course IX. Food Technology and Industrial Education (F.T.I.E.)**

- **First Period**
  - 9.00 Food Engineering 44
  - 9.11 Food Engineering 44

- **Second Period**
  - 9.00 Food Engineering 44
  - 9.11 Food Engineering 44

The schedule of courses is designed to be taken by qualified students in the field of the previously mentioned fields of study.