

ive business of life, either as Merchants, Engineers or Mechanics. The outlines of the course of study in this Department are the following: 1. English Grammar and Composition. 2. Geography and History. 3. Arithmetic, Algebra, Geometry, and Trigonometry. 4. Penmanship and Book-Keeping. 5. Natural Philosophy, Chemistry and Astronomy. 6. Rhetoric, French and other Modern Languages.

Department of Science and Arts

This Department includes Mathematics, Natural Philosophy, Chemistry, Botany, Mineralogy, Geology, and Physical Astronomy.

MATHEMATICS.

Algebra (Day's); Geometry (Legendre's);—Logarithms and Plane Trigonometry; Mensuration of Superficies and Solids; Spherical Trigonometry; Conic Sections; Mensuration of Heights and Distances; Navigation; Astronomy; Surveying and Levelling; Differential and Integral Calculus.

NATURAL SCIENCE.

Olmsted's Natural Philosophy; Chemistry (Turner's and Comstock's); Gummere's and Herschel's Astronomy; Eaton's Botany; Lyell's and Comstock's Geology; Dana's Mineralogy.

The instruction in this Department is conducted by the double method of Lectures and Recitations.