

original design of Universities, and it is that, which, as far as means and opportunities admit, the most distinguished Universities carry out in actual practice, to include in their teaching all branches of learning; nor can any University be considered fully equipped and provided for the discharge of its high office, unless it is prepared to give that general and preparatory education, which is suitable to all, and that special scientific education which is required for the exercise of the liberal professions.

The general education first, however,—that which trains and disciplines and enlarges the mind for further and more special study. And of what, it may be asked, should such general education consist? or rather of what, in well regulated seminaries of learning does it consist? For it need not, at this time of day, be considered a matter of investigation, of what it should consist. And first, by common consent, in any general course of academic education, stands the study of those noble languages, in which there have come down to us the treasures of Greek and Roman learning; in one of which has been preserved to us the most perfect revelation of God to man,—a study, recommended by the varied exercise of intellect which it requires and involves, by the more perfect knowledge of our own language, and of kindred languages, and of the principles of general grammar, which it communicates, and by its necessarily familiarizing the mind with the facts of ancient history, with the forms of the old civilization, and with the thoughts and speculations of the men of finest genius in ancient times. Next there is Mathematics, pure Mathematics, conversant only with the abstract rela-

tions of numbers, mathematics, the application of these relations, the mind to the truth, however lengthened, the conclusions of abstract reasoning, the connection with the process of investigation, giving rise to the study of Mechanics, Optics, the application of which has increased the power of man over the elements now termed Natural Philosophy, knowledge derived from experiment, Chemistry, like; the theories to be daily altered. Last and greatest of all, the kind is man, the natural history, investigates the human understanding and relations of investigating the nature of virtue and civilization I have languages, it has disparage the because elements of college education lectures on man