



**Certified Industrial Engineers Exam Coverage  
Non-Professional Courses (BSIE)**

Non-professional Course	Scope
Mathematics	College Algebra, Advanced Algebra, Plane and Spherical Trigonometry, Analytic Geometry, Solid Mensuration, Differential Calculus, Integral Calculus, Differential Equations, Probability and Statistics
Natural Science	General Chemistry and Physics
Basic Engineering	Engineering Drawing, Computer-Aided Drafting, Computer Fundamentals and Programming, Static of Rigid Bodies, Dynamics of Rigid Bodies, Mechanics of Deformable Bodies, Engineering Economy, Engineering Management, Environmental Engineering and Safety Management
Allied Courses	Principles of Economics, Financial Accounting, Managerial Accounting, Thermodynamics, Elementary Electrical Engineering and Engineering Values and Ethics