

2024-2025 TTC Catalog

Engineering Assistant - Engineer Pathway

Certificate in Applied Science

35 Credit Hours

This certificate offers course work designed to prepare the student for engineering transfer. Upon completion of the certificate the student can select a pathway in either civil, electrical, or mechanical engineering transfer to a four-year college or university.

CHM 110 College Chemistry I 4
EGR 202 Introduction to Engineering Programming 3
EGR 269 Engineering Disciplines and Skills 2
EGR 275 Introduction to Engineering/Computer Graphics 3
EGT 265 CAD/CAM Applications 3
ENG 101 English Composition I 3
ENG 102 English Composition II 3
MAT 110 College Algebra 3
MAT 111 College Trigonometry 3
MAT 140 Analytic Geometry and Calculus I 4
PHY 221 University Physics I 4

Total: 35 Admission into this program is open only to Youth Apprentices that meet the requirements set forth by the Apprenticeship office. Additional requirements are qualifying scores on SAT, ACT or TTC's placement test.