Engineering Technology, B.S. \textit{major}  
Construction Management Emphasis

The Engineering Technology program prepares individuals for a wide range of career opportunities in business and industry in such areas as management, construction, engineering, product development, quality assurance, safety, and sustainable energy. There are two emphasis options in construction and manufacturing management that provide an opportunity to develop a focused study of management theories and practices in these areas.

\textbf{Note:} Upon approval of the Department of Technological Studies, certain major courses can be substituted in the technical core, professional core, or area of emphasis from related technical and community college programs.

Required Credits: 78  
Required GPA: 2.25

\section*{I REQUIRED TECHNICAL CORE COURSES}

\begin{itemize}
  \item TADT 1210 Materials and Processes - Forming (3 credits)
  \item TADT 1220 Materials and Processes - Separating (3 credits)
  \item TADT 1315 Energy and Power Technology (3 credits)
  \item TADT 1350 Electrical/Electronic Technology (3 credits)
  \item TADT 1460 2D Graphics And Laser Etching (3 credits)
  \item TADT 2250 Construction Technology (3 credits)
  \item TADT 2370 Automation Technology (3 credits)
\end{itemize}

\section*{II REQUIRED PROFESSIONAL CORE COURSES}

\begin{itemize}
  \item TADT 3267 Engineering Economic and Cost Analysis (4 credits)
  \item TADT 3885 Technical Sales, Service and Training (4 credits)
  \item TADT 4385 Sustainability and Emerging Technologies (4 credits)
  \item TADT 4537 Industrial Design/Innovation (4 credits)
  \item TADT 4875 Facilities Management (4 credits)
  \item TADT 4878 Quality Assurance (4 credits)
  \item TADT 4897 Project Management (4 credits)
\end{itemize}

\section*{III REQUIRED FOUNDATION COURSES}

Take 6 semester credits of math at the 1100 or higher level. Students are encouraged to take statistics and calculus.

Take 7 semester credits from among the physics, chemistry, or physical science (specifically, SCI 1110 and SCI 1120) courses that are approved to fulfill liberal education category 3. Other category 3 courses may be substituted if approved by the chair of the department of technological studies. Students are encouraged to take a combination of physics and chemistry.

\section*{CONSTRUCTION MANAGEMENT EMPHASIS}

Select 16 credits from the following courses: Students must choose a construction-related topic for TADT 4778, Advanced Topics in Technology

\begin{itemize}
  \item TADT 3250 Print Reading and Project Documentation (4 credits)
  \item TADT 3260 Project Bidding and Estimating (4 credits)
  \item TADT 4259 Construction Management (4 credits)
  \item TADT 4260 Computerized Construction Estimating
  \item TADT 4778 Advanced Topics in Technology (4 credits)
\end{itemize}

TADT 4970 MAY BE TAKEN FOR 4 CREDITS

\begin{itemize}
  \item TADT 4970 Internship (1-12 credits)
\end{itemize}