The Association of Professional Engineers and Geoscientists of Alberta

INDUSTRIAL ENGINEERING
COURSE EQUIVALENTS
2017 Edition

University of Alberta

17-IND-A1   **Operations Research**
                      Introduction to Optimization
ENG M 540   Models and Algorithms

17-IND-A2   **Analysis and Design of Work**
ENG M 558   *Ergonomics and Work Design*

17-IND-A3   **Facilities Planning**
                      No Course Equivalent Offerred

17-IND-A4   **Production Management**
ENG M 501   Production and Operations Management

17-IND-A5   **Quality Planning, Controls and Assurance**
ENG M 514   Reliability for Design
&

                      Quality Engineering and
ENG M 512   Management

17-IND-A6   **Systems Simulation**
                      Modelling and Simulation of
MEC E 467   Engineering Systems

17-IND-B1   **Applied Probability and Statistics**
                      No Course Equivalent Offerred

17-IND-B2   **Manufacturing Processes**
MEC E 364   Manufacturing Processes

17-IND-B3   **Computer Aided Design and Computer-Assisted Manufacturing**
                      No Course Equivalent Offerred

17-IND-B4   **Design of Information Systems**
                      No Course Equivalent Offerred

17-IND-B5   **Ergonoomics**
                      No Course Equivalent Offerred

17-IND-B6   **Workplace Design**
No Course Equivalent Offerred

17-IND-B7   **Financial and Managerial Accounting**
Introductory Accounting

ACCTG 311
&

Managerial Information &
ACCTG 322   Control Systems

17-IND-B8   **Computer Integrated Manufacturing (CIM)**
No Course Equivalent Offerred

17-IND-B9   **Logisitics: Transportation Aspects**
No Course Equivalent Offerred

17-IND-B10   **Workplace Health and Safety**
Engineering Safety and Risk
Management - Leadership in Risk
ENGG 404   Management
&

Engineering Safety and Risk
Management - Methodologies and
ENGG 406   Tools

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