



The Association of Professional Engineers,  
Geologists and Geophysicists of Alberta

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**INDUSTRIAL ENGINEERING  
COURSE EQUIVALENTS**

1998 Edition

Note: No Industrial Engineering courses are offered at the University of Calgary. The list below is for the University of Alberta.

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| <i>University of Alberta</i>                            | <i>University of Calgary</i>  |
|---|---|
| <b>98-IND-A1</b><br>MMP E 497<br><b>OR</b><br>CIV E 492 | <b>Operations Research</b><br>Operations Research<br><br>Civil Engineering Applications<br>of Operations Research |
| <b>98-IND-A2</b>  | <b>Analysis and Design of Work</b><br>No Course Equivalent  |
| <b>98-IND-A3</b>  | <b>Facilities Planning</b><br>No Course Equivalent  |
| <b>98-IND-A4</b><br>MEC E 513                           | <b>Production Management</b><br>Production & Operations   |
| <b>98-IND-A5</b><br>MEC E 412<br>&<br>MEC E 514         | <b>Quality Planning and Analysis</b><br>Total Quality Management<br><br>Reliability & Maintainability             |
| <b>98-IND-A6</b><br>MGTSC 422                           | <b>Systems Simulation</b><br>Simulation & Computer<br>Modelling Techniques in<br>Management                       |
| <b>98-IND-B1</b><br>MGTSC 301                           | <b>Applied Probability and Statistics</b><br>Probability, Statistics &<br>Programming                             |
| <b>98-IND-B2</b><br>MEC E 364                           | <b>Manufacturing Processes</b><br>Manufacturing Processes   |
| <b>98-IND-B3</b>  | <b>Computer Aided Design and Computer-Assisted Manufacturing</b><br>No Course Equivalent                          |
|   | ENMF 401    Computer-Aided Designs<br>Graphics  |

| <i>University of Alberta</i> |  | <i>University of Calgary</i>       |   |
|------------------------------|--|------------------------------------|---|
| <b>98-IND-B4</b>             | <b>Design of Information Systems</b><br>No Course Equivalent           | ENMF 525                           | Manufacturing Applications of Object Oriented Programming |
| <b>98-IND-B5</b>             | <b>Human Factors Engineering</b><br>No Course Equivalent               | ENMF 407                           | Human Behaviour in Organisms                              |
| <b>98-IND-B6</b>             | <b>Design of Work Places</b><br>No Course Equivalent                   |                                    | No Course Equivalent                                      |
| <b>98-IND-B7</b>             | <b>Financial and Managerial Accounting</b><br>Introductory Accounting  |                                    | No Course Equivalent                                      |
| ACCTG 311<br>&<br>ACCTG 322  | Managerial Information & Control Systems                               | ENMP 507<br><br>OR<br>ENMP 415/509 | Integrated Manufacturing Systems I & II                   |
| <b>98-IND-B8</b>             | <b>Computer Integrated Manufacturing (CIM)</b><br>No Course Equivalent | ENMP 415                           | Integrated Manufacturing Systems I                        |
| <b>98-IND-B9</b>             | <b>Transportation Economics</b><br>No course equivalent                |                                    | No Course Equivalent                                      |
| <b>98-IND-B10</b>            | <b>Industrial Safety and Health</b><br>Safety and Loss Management      |                                    | No Course Equivalent                                      |
| ENGG 404<br>&<br>ENGG 406    | Risk and Loss Management   |                                    |   |

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