

## AGRICULTURAL ENGINEERING COURSE EQUIVALENTS 2004 Edition

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

University of Alberta

<b>04-AGRIC-A1</b> AN SC 310 <b>OR</b> PL SC 324	Applied Plant, Animal or Human Physiology Physiology of Domestic Animals Crop Physiology and the Environment
&	Soil Physics and Mechanics il Physics
CIV E 381 04-AGRIC-A3	Soil Mechanics Heat Engineering
MEC E 370 <b>&amp;</b>	Heat Transfer
MEC E 463	Thermo-Fluid Systems Design
04-AGRIC-A4	Fluid Flow No Course Equivalent
<b>04-AGRIC-A5</b> MEC E 300	Principles of Instrumentation Mechanical Measurements
04-AGRIC-A6	Physical Properties of Biological Materials and Food Products No Course Equivalent
<b>04-AGRIC-A7</b> NUFS 361 &	Chemistry and Microbiology of Foods Food Microbiology
NUFS 372	Food Chemistry
04-AGRIC-B1	Systems Engineering and Materials Handling No Course Equivalent
04-AGRIC-B2	Structural Design for Agricultural, Biosystems and Food Industries No Course Equivalent

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<b>04-AGRIC-B3</b> MEC E 360	Machine Design for Agricultural, Biosystems and Food Industries Mechanical Design II
04-AGRIC-B4	Machinery Analysis for Agricultural, Biosystems and Food Industries No Course Equivalent
04-AGRIC-B5	<b>Power Units for Agricultural, Biosystems and Food Industries</b> No Course Equivalent
04-AGRIC-B6	Irrigation, Drainage and Erosion Control No Course Equivalent
<b>04-AGRIC-B7</b> CIV E 433	Principles of Hydrology Hydrology
<b>04-AGRIC-B8</b> NUFS 353	Food Process Engineering (Part 1) Unit Operations in Food Processing
04-AGRIC-B9	Food Process Engineering (Part 2)
<b>04-AGRIC-B10</b> CHEM E 484	Biochemical Engineering (04-Chem-B4) Introduction to Biochemical Engineering
<b>04-AGRIC-B11</b> CIV E 221	Principles of Waste Management Environmental Engineering Fundamentals
<b>04-AGRIC-B12</b> CIV E 421	Principles of Biological Waste Treatment Processes for Public Health and Environmental Protection
04-AGRIC-B13	Control and Monitoring No Course Equivalent
04-AGRIC-B14	Aquacultural Engineering No Course Equivalent
04-AGRIC-B15	<b>Design of Buildings for Agricultural, Biosystems and Food Industries</b> No Course Equivalent

**Revised April 2005**