

Mechanical Engineering and Business (Option D)

September 2020 (for students who entered first year in September 2019)

<p>Year 2</p> <p>Term A</p> <p>AM 2270A Applied Mathematics for Engineering II</p> <p>MME 2202A Mechanics of Materials</p> <p>MME 2204A Thermodynamics I</p> <p>MME 2259A Product Design and Development</p> <p>MME 2260A Industrial Materials</p> <p>BUS 2257 Accounting and Business Analysis</p> <p>Term B</p> <p>AM 2276B Applied Mathematics for Elec. & Mech. Engineering III</p> <p>MME 2221B Computational Methods</p> <p>MME 2213B Engineering Dynamics</p> <p>MME 2273B Introduction to Fluid Mechanics and Heat Transfer</p> <p>SS 2143B Applied Statistics and Data Analysis for Engineers</p> <p>MME 2200Q Engineering Shop Safety Training</p> <p>BUS 2257 Accounting and Business Analysis</p> <p>Year 3: HBA 1</p> <p>Year 4</p> <p>Term A</p> <p>AM 3413A Applied Mathematics</p> <p>ECE 3374A Introduction to Electronics for Mechanical Engineering</p> <p>MME 3303A Fluid Mechanics II</p> <p>MME 3379A Materials Selection</p> <p>MME 3381A Kinematics and Dynamics of Machines</p> <p>BUS 4569 Ivey Field Project</p> <p>Term B</p> <p>MME 2285B Engineering Experimentation</p> <p>MME 3307B Heat Transfer II</p> <p>MME 3334B Thermodynamics II</p> <p>MME 3360B Finite Element Methods in Mechanical Engineering</p> <p>MME 3380B Mechanical Components Design</p> <p>Year 5</p> <p>Term A</p> <p>MME 4499 Mechanical Engineering Design Project</p> <p>One 0.5-credit technical elective</p> <p>1.5 HBA required courses**</p> <p>Term B</p> <p>MME 4499 Mechanical Engineering Design Project</p> <p>ES 4498G Engineering Ethics, Sustainable Development & the Law</p> <p>MME 3350B System Modelling and Control</p> <p>One 0.5-credit technical elective</p> <p>1.5 elective Business courses at the 4000 level</p>	<p>NOTES:</p> <p>**1.5 HBA required courses:</p> <ul style="list-style-type: none"> International Perspective Requirement: Business 4505A/B. Corporations and Society Requirement: at least 0.5-credit from Business Administration – Corporations and Society designated electives offered during the academic year or other business elective as determined and approved by the HBA Program Director to satisfy this requirement. Managerial Accounting Requirement: Business 4624A/B <p>Technical Electives</p> <p>Some technical electives may not be offered in a given academic year. Consult the Department for accurate listing.</p> <table border="1"> <tr><td>MME 4410</td><td>Mechanical and Materials Engineering Thesis</td></tr> <tr><td>MME 4423A/B</td><td>Internal Combustion Engines</td></tr> <tr><td>MME 4424A/B</td><td>Mechanical Properties of Materials</td></tr> <tr><td>MME 4425A/B</td><td>Mechanical Vibrations</td></tr> <tr><td>MME 4427A/B</td><td>Selected Topics in Mechanical Engineering III</td></tr> <tr><td>MME 4428A/B</td><td>Selected Topics in Mechanical Engineering IV</td></tr> <tr><td>MME 4429A/B</td><td>Nuclear Engineering</td></tr> <tr><td>MME 4435A/B</td><td>Pressure Vessel Design</td></tr> <tr><td>MME 4437A/B</td><td>Advanced CAE: Simulation</td></tr> <tr><td>MME 4446A/B</td><td>Composite Materials</td></tr> <tr><td>MME 4450A/B</td><td>Control Systems: Theory and Practice</td></tr> <tr><td>MME 4452A/B</td><td>Robotics and Manufacturing Automation</td></tr> <tr><td>MME 4453A/B</td><td>Corrosion and Wear</td></tr> <tr><td>MME 4459A/B</td><td>Advanced CAE: Manufacturing Technologies</td></tr> <tr><td>MME 4460A/B</td><td>HVAC II</td></tr> <tr><td>MME 4469A/B</td><td>Biomechanics of the Musculoskeletal System</td></tr> <tr><td>MME 4470A/B</td><td>Medical and Assistive Devices</td></tr> <tr><td>MME 4473A/B</td><td>Computer Integrated Manufacturing (CIM)</td></tr> <tr><td>MME 4474A/B</td><td>Selected Topics in Mechanical Engineering I</td></tr> <tr><td>MME 4475A/B</td><td>Selected Topics in Mechanical Engineering II</td></tr> <tr><td>MME 4480A/B</td><td>Advanced CAE: Reverse Engineering</td></tr> <tr><td>MME 4482A/B</td><td>Fundamentals of MEMS</td></tr> <tr><td>MME 4483A/B</td><td>HVAC I</td></tr> <tr><td>MME 4485A/B</td><td>Fluid Machinery</td></tr> <tr><td>MME 4487A/B</td><td>Mechatronic System Design</td></tr> <tr><td>MME 4490A/B</td><td>Engineering in a Global Context: Advanced Manufacturing <i>*Course with an International Component: see MME office for details</i></td></tr> <tr><td>MME 4492A/B</td><td>Production Management for Engineers</td></tr> </table>	MME 4410	Mechanical and Materials Engineering Thesis	MME 4423A/B	Internal Combustion Engines	MME 4424A/B	Mechanical Properties of Materials	MME 4425A/B	Mechanical Vibrations	MME 4427A/B	Selected Topics in Mechanical Engineering III	MME 4428A/B	Selected Topics in Mechanical Engineering IV	MME 4429A/B	Nuclear Engineering	MME 4435A/B	Pressure Vessel Design	MME 4437A/B	Advanced CAE: Simulation	MME 4446A/B	Composite Materials	MME 4450A/B	Control Systems: Theory and Practice	MME 4452A/B	Robotics and Manufacturing Automation	MME 4453A/B	Corrosion and Wear	MME 4459A/B	Advanced CAE: Manufacturing Technologies	MME 4460A/B	HVAC II	MME 4469A/B	Biomechanics of the Musculoskeletal System	MME 4470A/B	Medical and Assistive Devices	MME 4473A/B	Computer Integrated Manufacturing (CIM)	MME 4474A/B	Selected Topics in Mechanical Engineering I	MME 4475A/B	Selected Topics in Mechanical Engineering II	MME 4480A/B	Advanced CAE: Reverse Engineering	MME 4482A/B	Fundamentals of MEMS	MME 4483A/B	HVAC I	MME 4485A/B	Fluid Machinery	MME 4487A/B	Mechatronic System Design	MME 4490A/B	Engineering in a Global Context: Advanced Manufacturing <i>*Course with an International Component: see MME office for details</i>	MME 4492A/B	Production Management for Engineers
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