

**AUTOMATED MANUFACTURING ENGINEERING  
DEPARTMENT (M.Sc. Curriculum)**

M.Sc. Study - 1 <sup>st</sup> Semester			
code	SUBJECT	Hours/week	Credits
AME511	Advanced Mathematics	2	2
AME512	Advanced CAD/CAM	2	2
AME513	Systems Modeling and Simulation	2	2
AME514	Micro Manufacturing	2	2
AME515	Elective I	2	2
AME516	English Language I	2	1
<b>Total</b>		<b>12</b>	<b>11</b>

Elective I

- Total Quality Management in Manufacturing
- Manufacturing Measurements and Intelligent Inspection Technology
- Advanced Materials

M.Sc. Study – 2 <sup>nd</sup> Semester			
code	SUBJECT	Hours/week	Credits
AME521	Advanced Manufacturing Processes	2	2
AME522	Industrial Robotics and Automation	2	2
AME523	Experimental Design and Optimization	2	2
AME524	Computer Integrated Flexible Manufacturing	2	2
AME525	Elective II	2	2
AME526	English Language II	2	1
AME527	Research Methodology	2	2
<b>Total</b>		<b>14</b>	<b>13</b>

## Elective II

- Manufacturing Data Systems
- Facilities Planning and Material Handling
- Additive Manufacturing

<b>Total units for courses</b>	<b>24</b>
<b>Thesis units</b>	<b>12</b>
<b>Total units</b>	<b>36</b>