

**1-1 Basic Courses (26 Units)**

<b>Row</b>	<b>Course Title</b>	<b>Units</b>
1	<i>Calculus I</i>	3
2	<i>Calculus II</i>	3
3	<i>Differential Equation</i>	3
4	<i>Numerical Analysis</i>	2
5	<i>Physics I</i>	3
6	<i>Physics II</i>	3
7	<i>Physics Lab I</i>	1
8	<i>Physics of Electricity Lab</i>	1
9	<i>General Chemistry</i>	3
10	<i>General Chemistry Lab</i>	1
11	<i>Principles of Computer Programming</i>	3
<b>Sum</b>		<b>26</b>

***1-2 Compulsory Courses (72 Units)***

<b><i>Row</i></b>	<b><i>Course Title</i></b>	<b><i>Units</i></b>
<i>1</i>	<i>Metal Forming Workshop</i>	<i>1</i>
<i>2</i>	<i>Machine Tools Workshop I</i>	<i>1</i>
<i>3</i>	<i>Statics</i>	<i>2</i>
<i>4</i>	<i>Strength of Materials</i>	<i>2</i>
<i>5</i>	<i>Material Science</i>	<i>3</i>
<i>6</i>	<i>Production Processes I</i>	<i>3</i>
<i>7</i>	<i>Motion and Time Study</i>	<i>3</i>
<i>8</i>	<i>Probability and Its Applications</i>	<i>3</i>
<i>9</i>	<i>Engineering Statistics</i>	<i>3</i>
<i>10</i>	<i>Technical Drawing I</i>	<i>2</i>
<i>11</i>	<i>Technical Drawing II</i>	<i>2</i>
<i>12</i>	<i>Fundamentals of Electrical Engineering</i>	<i>3</i>
<i>13</i>	<i>English for Industrial Engineering</i>	<i>2</i>
<i>14</i>	<i>Principles of Accounting &amp; Costing</i>	<i>3</i>
<i>15</i>	<i>Economics I</i>	<i>2</i>
<i>16</i>	<i>Economics II</i>	<i>2</i>
<i>17</i>	<i>Engineering Economics</i>	<i>3</i>
<i>18</i>	<i>Fundamentals of Operations Research</i>	<i>2</i>
<i>19</i>	<i>Operations Research I</i>	<i>3</i>
<i>20</i>	<i>Operations Research II</i>	<i>3</i>
<i>21</i>	<i>Production and Inventory Control I</i>	<i>3</i>
<i>22</i>	<i>Plant Layout I</i>	<i>3</i>
<i>23</i>	<i>Statistical Quality Control I</i>	<i>3</i>
<i>24</i>	<i>Project Control and Management</i>	<i>3</i>
<i>25</i>	<i>Management Principles &amp; Org. Theory</i>	<i>2</i>
<i>26</i>	<i>Computer Simulation</i>	<i>3</i>
<i>27</i>	<i>Production Planning</i>	<i>3</i>
<i>28</i>	<i>Industrial Training I</i>	<i>1</i>
<i>29</i>	<i>Final Project</i>	<i>3</i>
<b><i>Sum</i></b>		<b><i>72</i></b>

***1-3 Elective Courses I (9 Units)******Must get 9 units of 15 unites of this table***

<b><i>Row</i></b>	<b><i>Course Title</i></b>	<b><i>Units</i></b>
<i>1</i>	<i>Production &amp; Inventory Control II</i>	<i>3</i>
<i>2</i>	<i>Industrial Maintenance Planning</i>	<i>3</i>
<i>3</i>	<i>Small Scale Industries</i>	<i>3</i>
<i>4</i>	<i>Systems Analysis</i>	<i>3</i>
<i>5</i>	<i>Management Information Systems</i>	<i>3</i>
<b><i>Sum</i></b>		<b><i>15</i></b>

***1-4 Elective Courses II (13 Units)******Must get 13 units of 31 unites of this table***

<b><i>Row</i></b>	<b><i>Course Title</i></b>	<b><i>Units</i></b>
<i>1</i>	<i>Human Factors Engineering</i>	<i>3</i>
<i>2</i>	<i>Manufacturing Processes II</i>	<i>2</i>
<i>3</i>	<i>Transportation Planning</i>	<i>3</i>
<i>4</i>	<i>Quality Management and Productivity</i>	<i>3</i>
<i>5</i>	<i>Measurement &amp; Quality Control Lab.</i>	<i>2</i>
<i>6</i>	<i>Statistical Quality Control II</i>	<i>3</i>
<i>7</i>	<i>Mechanical Assembly</i>	<i>3</i>
<i>8</i>	<i>Numerical Control</i>	<i>3</i>
<i>9</i>	<i>Automation</i>	<i>3</i>
<i>10</i>	<i>Technical Report Writing</i>	<i>1</i>
<i>11</i>	<i>Computer Application for IE</i>	<i>2</i>
<i>12</i>	<i>One course of other engineering departments</i>	<i>3</i>
<b><i>Sum</i></b>		<b><i>31</i></b>