

## 4-Year Degree Map for Industrial Technology Management: Manufacturing Technology

Year	Fall	Credits	Spring	Credits
Freshman	<i>IET 154 Engineering Design Graphics</i> <b>IET 291 Applied Electronics</b> ENG 101 Freshman Comp UP Group IIIA UP Group IVA <div style="text-align: right;"><b>Total:</b></div>	(3) (3) (3) (3) (3) <b>15</b>	<i>IET 170 Metal Technology</i> Oral English <i>MTH 106 Plane Trigonometry</i> UP Group IIIB UP Group IVC <div style="text-align: right;"><b>Total:</b></div>	(3) (3) (3) (3) (3) <b>15</b>
Sophomore	<i>IET 180 Power and Energy Technology</i> UP Group IB ENG 201 Intermediate Composition <i>STA 282 Introduction to Statistics</i> UP Group IA <div style="text-align: right;"><b>Total:</b></div>	(3) (3) (3) (3) (3) <b>15</b>	<i>CHM 120 Survey of Chemistry</i> <sup>1</sup> <b>IET 359 Parametric Design and Modeling</b> UP Group IVB <sup>2</sup> <i>ENG 303 Technical Writing</i> Free Elective <div style="text-align: right;"><b>Total:</b></div>	(4) (3) (3) (3) (3) <b>16</b>
Junior	<b>IET 284 Fluid Power Technology</b> <b>IET 326 Manufacturing Methods Analysis</b> <i>IET 327 Industrial Safety</i> <i>PHY 130 College Physics</i> <sup>3</sup> <i>PHY 170 College Physics Laboratory</i> <sup>3</sup> Technical Elective <div style="text-align: right;"><b>Total:</b></div>	(3) (3) (3) (4) (1) (3) <b>17</b>	<i>IET 365 Plastics Technology</i> <b>IET 375 Robotics</b> <i>IET 500 Production Concepts</i> UP Group IIA Free Elective <div style="text-align: right;"><b>Total:</b></div>	(3) (3) (3) (3) (3) <b>15</b>
Senior	<b>IET 377 Numerical Control Programming</b> <i>IET 501 Application of Industrial Mgmt Principles</i> Technical Elective Free Elective Free Elective <div style="text-align: right;"><b>Total:</b></div>	(3) (3) (3) (3) (3) <b>15</b>	<b>IET 428 Manufacturing Quality</b> <b>IET 426 Plant Layout and Materials Handling</b> <i>IET 400 Senior Seminar</i> Free Elective Free Elective Free Elective <div style="text-align: right;"><b>Total:</b></div>	(3) (3) (1) (3) (3) (3) <b>16</b>

*Courses in italic type indicate Program Core.*

**Courses in bold type indicate required course for the Manufacturing Technology Concentration.**

**\*\*THIS IS ONLY AN ADVISING TOOL, MAJORS MUST BE INDIVIDUALLY SIGNED AND UNIVERSITY APPROVED FOR GRADUATION.\*\***

<sup>1</sup> Fulfills UP Group Elective

<sup>2</sup> Study Abroad Courses meeting Senate Subcommittee Approval may count for this area

<sup>3</sup> Fulfills UP Group IIB