

**BS IN MATERIALS
MINOR IN BUSINESS**

Credits

| | | | |
|---|-----------------|---|--------------------------|
| Freshman Year: | COMMON COURSES | | 54.5 |
| Sophomore Year: | COMMON COURSES | | 24 |
| | ENGR 220 | | 4 |
| | MATE 221 | | 3 |
| | Free Elective | | 3 |
| Pre-Junior Year: | MATE 214 | Intro. to Polymers | 4 |
| | NEW | Defects in Solids | 3 |
| | MATE 240 | Thermodynamics of Materials | 4 |
| | NEW | Structure and Characterization | 3 |
| | HIST 285 | Technology in Historical Perspective | 3 Liberal Studies |
| | MATE 245 | Kinetics of Materials | 4 |
| | NEW | Electronic and Photonic Properties | 4 |
| | MATE 280 | Advanced Materials Lab | 4 LAB |
| | PHIL 315 | Engineering Ethics | 3 Liberal Studies |
| Junior Year: | MATE 315 | Processing of Polymers. | 4.5 LAB |
| | MATE 370 | Mechanical Behavior of Solids | 3 |
| | MATE 345 | Processing of Ceramics | 4.5 LAB |
| | MATE 455 | Biomedical Materials | 3 |
| | CHEC 353 | Physical Chemistry and Applications III | 4 |
| | MATE 366 | Processing of Metallic Materials. | 4.5 LAB |
| | ECON 201 | Economics I | 4 Liberal Studies |
| | ECON 202 | Economics II | 4 Liberal Studies |
| Senior Year: | MATE 491 | Senior Project Design I | 2 |
| | MATE 492 | Senior Project Design II | 2 |
| | MATE 493 | Senior Project Design III | 4 |
| | MATE 460 | Engineering Computational Laboratory | 4 LAB |
| | MATE 410 | Case Studies in Materials | 3 |
| | CHE 335 | Statistics & Design of Experiments | 3 |
| | | <i>TRACK</i> | 3 <i>Tech Elective</i> |
| | | <i>TRACK</i> | 3 <i>Tech Elective</i> |
| | | <i>TRACK</i> | 3 <i>Tech Elective</i> |
| | | BUSINESS | 4 Liberal Studies |
| | | BUSINESS | 4 Liberal Studies |
| | | BUSINESS | 4 Liberal Studies |
| | | BUSINESS | 4 Liberal Studies |
| <i>A track of 9 credits is possible</i> | | | 195 TOTAL |