

# Metallic Materials Track in MSE

(42 units)

<b>REQUIRED COURSES</b>	<b><u>Units</u></b>	<b><u>Grade</u></b>	<b><u>Semester</u></b>
<p><b>27-560 Phys Chemistry of Metallurgical Reactions</b>  <i>Prerequisite: 27-215 and 27-216</i>  <i>Offered every Spring</i>  <i>Should be taken in the Junior or Senior year</i></p>	9	_____	_____
<p><b>27-592 Solidification Processing</b>  <i>Prerequisites: 27-215 and 27-216</i>  <i>Offered every Spring</i>  <i>Should be taken in the Junior or Senior year</i></p>	9	_____	_____
<p><b>27-594 Electrochemical Processing</b>  <i>Prerequisites: 27-215 and 27-216</i>  <i>Offered every Fall</i>  <i>Should be taken in the Junior or Senior year</i></p>	9	_____	_____
<b>ELECTIVE COURSES (Choose Two)</b>			
<p><b>27-421 Processing Design</b>  <i>Prerequisites: 27-215 and 27-216</i>  <i>Offered every Fall</i>  <i>Should be taken in the Junior or Senior year</i></p>	6	_____	_____
<p><b>27-591 Mechanical Behavior of Materials</b>  <i>Prerequisites: 33-106 and 27-201</i>  <i>Offered every Fall</i>  <i>Should be taken during Junior or Senior yea. Appropriate for all students and/or properties of materials</i></p>	9	_____	_____
<p><b>27-542 Processing and Properties of Thin Films</b>  <i>Prerequisite: 33-106 and 27-201</i>  <i>Offered every Fall</i>  <i>Should be taken in the Junior or Senior year. Appropriate for all students interested in processing and Elect/Mag/Opt materials</i></p>	9	_____	_____
<p><b>27-582 Phase Transformations</b>  <i>Prerequisite: 27-216 and 27-217</i>  <i>Offered every Spring</i>  <i>Should be taken in the Junior or Senior year. Appropriate for all students interested in the metals track.</i></p>	9	_____	_____