

## Sample Schedule ISD (AUTO) Master of Engineering in Automotive Engineering

The following table shows a sample Master of Automotive Engineering plan of study for a student pursuing SUGS B.S.E. in Mechanical Engineering with Automotive Engineering with the AUTO program.

<b>MEng (Automotive)</b>		
<b>Course</b>	<b>Double-Count Transfer</b>	<b>Credit Hours</b>
<b>Engineering Core (9 credits)</b>		
<i>ME538 Advanced Internal Combustion Engines</i>		3
<i>ME566 Hybrid Electric Vehicles</i>	<b>Double-Count</b>	3
<i>ISD 599-003B Modeling and Analysis of Vehicle Systems</i>		3
<b>Engineering Core Subtotal</b>		<b>9</b>
<b>Engineering Electives (9 credits)</b>		
<i>EECS 460 Control Systems Analysis and Design</i>		3
<i>ME 461 Automatic Control</i>	<b>Double-Count</b>	3
<i>ME 440 Intermediate Dynamics and Vibrations</i>	<b>Double-Count</b>	3
<b>Engineering Elective Subtotal</b>		<b>6</b>
<b>Management and Human Factors (6 credits)</b>		
<i>IOE533 (MFG535) Human Motor Behavior and Engineering Systems</i>		3
<i>ISD520 Introduction to Systems Engineering</i>		3
<b>Management and Human Factors Subtotal</b>		<b>6</b>
<b>Automotive Engineering and Seminar and Capstone Project (6 credits)</b>		
<i>AUTO 501 Integrated Vehicle Systems Design</i>		3
<i>Auto 503 Automotive Engineering Project</i>		3
<b>Automotive Engineering and Seminar and Capstone Subtotal</b>		<b>6</b>
<b>Total MEng Program Credits</b>		<b>30</b>