The Master of Science in Technology focuses on enhancing technical knowledge and management skills necessary in our competitive technology-intensive world. This program combines qualitative approaches and quantitative techniques in a balanced curriculum that strengthens problem solving skills and managerial competence. The MST degree program at Cullowhee is designed for full time students and most are employed as Graduate Research Assistants.

**SAMPLE CURRICULUM**

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>ELECTRICAL</th>
<th>MECHANICAL</th>
</tr>
</thead>
</table>
| FALL     | Random Processes in Engineering  
Advanced Power Systems Analysis  
Introduction to Numerical Analysis | Advanced Thermodynamics  
Applied Research Methods and Exp. Design  
Introduction to Numerical Analysis |
| SPRING   | Linear Systems Analysis  
Directed Project  
Mathematical Modeling | Advanced Dynamics and Vibrations  
Directed Project  
Mathematical Modeling |
| FALL     | Advanced Digital Signal Processing  
Advanced Digital Communications Thesis | Advanced Fluid Mechanics  
Automation Systems Thesis |
| SPRING   | Digital Image Processing  
Machine Learning and Robotics Thesis | Finite Element Analysis  
Advanced Parametric Modeling and Design Thesis |

“I was raised in Sylva and decided to go to Western for a BSEE. During those four years the teachers were very helpful and encouraging, which led me to continue my education there with the MST. Attending WCU also gave me the opportunity to interview and gain employment with Duotech Services in nearby Franklin, NC.”

—KEVIN BABECKI

“As an international student, I benefited from the good student-faculty ratio at Western’s MST program and enjoyed abundant opportunities to work with professors dedicated to research and teaching. It helped me develop my research and instruction skills and prepared me very well for my PhD work at University of Wisconsin Milwaukee.”

—YUANRUI SANG