

**Watchmaking & Microtechnology**  
**Program and Core Objectives Summary**  
 April 2005

<b>OBJECTIVE TYPE &amp; No.</b>	<b>OBJECTIVE DESCRIPTION</b>	<b>FORMATIVE ASSESSMENT</b>	<b>SUMMATIVE ASSESSMENT</b>
<b>Core 1</b>	Effectively communicate electronically, verbally, and in writing	70% or higher on essay/portfolio in ENGL 1033 Tech Writing 1 or ENGL 1113 Freshman Comp I or 74% or higher on speech assessment in SPCH 1113	4.0 (66.7%) or higher on portfolio of oral presentation in WMR 2626 Capstone
<b>Core 2</b>	Demonstrate logical, systematic problem-solving techniques	70% or higher on MATH 1513 College Algebra or MATH 1613 Trigonometry Comprehensive Exam	70% or higher on WMT 2526 Chronographs portfolio of final exams and assignments
<b>Core 3</b>	Develop and display a sense of personal, social and professional ethics	70% or higher on Professional Interview Code of Ethics Analysis in PHIL 1213 Ethics	74% or higher on a collection of assignments and paper and pencil exams in WMT 2426 Swiss Lever Escapement.
<b>Core 4</b>	Explain the cultural heritage and primary elements of the history and government of the U.S. and its people, especially as it impacts one's industry or field of study	70% or higher on HIST1483 U.S. History to 1865, HIST1493 U.S. History since 1865, or POLS1113 U.S. Government Comprehensive Exam	4.0 (66.7%) or higher on historical elements of the Watchmaking industry, individual high achievers in Watchmaking , and other elements as deems practical knowledge for the professional watchmaker inWMR 2626 Capstone
<b>Core 5</b>	Access and use technology appropriate to one's industry or field of study	70% or higher on a portfolio of assignments in WMR 1126 Microtechnology I.	70% or higher on portfolio of assignments in WMR 2626 External parts & Shop Mgmt/Capstone.
<b>Program 1</b>	Meet the educational requirements of the industry through consistent application of the WOSTEP program	70% or higher on a composite portfolio of hands-on assignments and written paper and pencil examinations in WMR 1126 Microtechnology I	70% or higher on written and performance examination (final exam) administered by WOSTEP during last semester.
<b>Program 2</b>	Use, repair, and maintain tools and equipment common to the watchmaking industry	4.0 (66.7%) or higher on maintenance of personal tools and shop equipment at end of third semester	4.0 (66.7%) or higher in maintenance of personal tools and shop equipment reported at graduation
<b>Program 3</b>	Perform necessary maintenance and repair of the case, bracelet, and mechanism of modern watches	70% or higher on the final examination of WMT 2516 Automatic Watches and Complications	4.0 (66.6%) or higher on completion of 60 or more repair points for projects (timepiece service) during the final 20 weeks of the program
<b>Program 4</b>	Maintain the intrinsic and personal value of a timepiece by performing work in a consistent, craftsmanship-like manner that respects the history, ownership, and quality of the product as designed	4.0 (66.7%) or higher on practical work with no cosmetic and/or functional damage to the case, bracelet, and/or mechanism of the timepiece at end of third semester	70% or higher on WMT 2626 Capstone portfolio of final exams and assignments

Note: Gray area denotes the formative assessment of Core Objectives #1-5 which is conducted in A&S. Assessments designated in the yellow area are the sole responsibility of the programs.