

**Watch Technology Certificate – 805B**  
Requirements Effective Fall 2009  
Program Planning Guide

**Program Description:** The Watch Technology Institute is an intense 2-year career training certificate program. Students should expect to spend 40+ hours a week in order to complete the Swiss American Watchmakers Training Alliance (SAWTA) curriculum.

**Prerequisites:** Many classes have prerequisites. Prerequisites are those classes that prove eligibility for entry-level classes by testing or by having satisfied prior course work. Course work earned at other institutions must be unofficially evaluated or approved by a program advisor before registering.

**Watch Technology Certificate Prerequisites:** none

<b>Program Requirements</b>		
<b>Course Number</b>	<b>Certificate Requirements (164 credits)</b>	<b>Credit Hours</b>
HIN 111	Introduction to Watch Technology	6
HIN 112	Watch Technology I: Tools, Equipment & Measurement	6
HIN 113	Watch Technology I: Practicum	10
HIN 121	Watch Technology II: Professional Knowledge	6
HIN 122	Watch Technology II: The Watchmaker's Lathe	6
HIN 123	Watch Technology II: Practicum	10
HIN 131	Watch Technology III: Winding & Setting Mechanisms	6
HIN 132	Watch Technology III: Watch Gear Trains	6
HIN 133	Watch Technology III: Practicum	10
HIN 141	Watch Technology IV: Escapements	4
HIN 142	Watch Technology IV: External Parts	4
HIN 143	Watch Technology IV: Practicum	8
HIN 211	Watch Technology V: Introduction to Precision Timing	6
HIN 212	Watch Technology V: Introduction to Electronic Watches	6
HIN 213	Watch Technology V: Practicum	10
HIN 221	Watch Technology VI: Precision Timing 2	6
HIN 222	Watch Technology VI: Automatic Watches	6
HIN 223	Watch Technology VI: Practicum	10
HIN 231	Watch Technology VII: Advanced Precision Timing	6
HIN 232	Watch Technology VII: Chronographs	6
HIN 233	Watch Technology VII: Practicum	10
HIN 241	Watch Technology VIII: After-Sales Service	4
HIN 242	Watch Technology VIII: Review of Courses	4
HIN 243	Watch Technology VIII: Practicum	8
		Total Credits: 164 (excluding pre-requisites)

## Program Outcomes:

- Competently service mechanical, electronic, and chronographic watches and perform case and bracelet repair and refinishing
- Use comprehensive product knowledge to make informed judgments and recommendations regarding watch repair and service.
- Thoroughly assess the scope of incoming work, accurately estimate repair time and costs, and clearly communicate this information to customers.
- Find and use resources pertinent to watch repair and service.
- Read and understand technical drawings related to watch repair and service.
- Effectively use measuring devices related to watch repair and service.
- Safely and effectively use and maintain appropriate tools and chemicals.
- Practice professional work habits: (a) maintain a clean and orderly workspace; exhibit a systematic approach to watch repair and service, and (c) maintain accurate and accessible records.

## What Skills do I need to be successful in this field?

- Watch repair (called “watchmaking” in the U.S.) is a challenging field that requires strong mechanical reasoning skills, good manual dexterity, keen eyesight, patience and an appreciation for the beauty of fine craftsmanship.
- <http://www.onetonline.org/link/summary/49-9064.00>

## What are some potential job titles?

- as a watchmaker/service technician in a workshop or service center for mechanical and electronic watches.
- as owner, manager or employee of an independent watch repair center or jewelry store.
- as a supervisor/manager of an after-sales service network for a watch distributor or brand on a regional or national basis.
- as a trainer in specific products for one or several brands.

## Wages, employment trends and pathways

- Compensation varies geographically and with venue. In recent years, NSCC graduates have accepted watchmaking jobs with entry-level salaries ranging from \$38,000 to \$60,000. New York, New Jersey, the South, Southeast and Texas have opportunities at factory service centers. Their higher volume typically means higher starting salaries.
- <http://www.onetonline.org/link/summary/49-9064.00#WagesEmployment>

**Course Sequence:** This program of study is outlined by quarter, and courses are taken in the indicated sequence.

**1<sup>st</sup> quarter:** HIN 111, HIN 112, HIN 113

**2<sup>nd</sup> quarter:** HIN 121, HIN 122, HIN 123

**3<sup>rd</sup> quarter:** HIN 131, HIN 132, HIN 133

**4<sup>th</sup> quarter:** HIN 141, HIN 142, HIN 143

**5<sup>th</sup> quarter:** HIN 211, HIN 212, HIN 213

**6<sup>th</sup> quarter:** HIN 221, HIN 222, HIN 223

**7<sup>th</sup> quarter:** HIN 231, HIN 232, HIN 233

**8<sup>th</sup> quarter:** HIN 241, HIN 242, HIN 243

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**Program Website:** <https://northseattle.edu/certificates/watch-technology-certificate>