



BJO FORMATION
BIJOUTERIE
JOAILLERIE

Accompagnateur de talents



Training Programme

Vocational Certificate – Jewellery Making

The jeweller creates, transforms and repairs jewellery in precious metal (gold, silver, platinum). The jeweller fabricates the jewellery piece in metal directly or through wax modelling and casting processes. The jeweller will select the gemstones (fine or precious stones) and prepare the jewellery piece for their placement.

The jeweller must have a precise, thorough and artistic sensibility in line with the client preference. This enables the jeweller to reproduce and repair antique jewellery as well as fabricate own creations.

The training programme in jewellery making is a vocational qualification that gives the students, within an academic year, the opportunity to master various jewellery making techniques.

Prerequisites

The programme is open to everyone, with a previous taste of jewellery, a good manual dexterity and an artistic sensibility.

A personal interview with a skilled professional.

Teaching Objectives

Acquire Technical Skills in Jewellery Making :

Metal Working Techniques : Understand and learn how to use the key tools of jewellery manufacturing. Acquire technical skills and ability to produce a complete jewellery piece from a drawing.

Technical Drawing : Interpret, conceptualise and design jewellery using technical manufacturing or graphical presentation.

Drawing and Computer Aided Design: Learn to use Matrix and Rhinoceros software's. Design and produce prototypes.

Design : Learn to gouache jewellery and reproduce different materials of the piece (metals, stones...)

Wax Carving & Modelling : Learn to analyse and produce volumes using modelling clay

Jewellery Art History : Acquaintance with the great periods of Jewellery Art History



Teaching Methods and Resources

Complete vocational training programme provided by the pedagogic team consisting of professional jewellers and fine jewellery experts.

Jewellers from Luxury Brands and best Parisian workshops.

Equipment, tools and materials provided by the school.

Quarterly progress reports to identify strengths and areas for improvement to complete the final exam.

Programme Dates: End of 2017

Training Programme

➤ Metal Working Techniques (Jewellery Making) : 464 hours



- Professional technology in jewellery making
- Use of measuring and tracing tools : vernier caliper, ruler, scribe, compass...
- Use of tools for cutting, drilling, shaping functions : saw, file, drill, pliers, hand piece
- Use of soldering tools : gas torch
- Manufacturing techniques : sawing, filing, fitting, piercing, soldering and brazing, metal shaping and forming, stamping
- Jewellery pieces manufacturing: simple and complex



➤ **Wax Carving and Modelling (Prototype Making) : 203 hours**



- Research work
- Rendering and interpretation of jewellery pieces
- Modelling with Plasticine
- Wax carving and prototyping pieces destined for melting process

➤ **CAO/DAO-Rhinoceros and Solidworks/Matrix : 174 hours**



- **Rhinoceros Software and Tools**

- Drawing in 2D
- Extrusion, Revolution, Sweeping
- Boolean Operations
- Projection of Curves and the UV Curves
- Layout, Dimensions
- Final rendering



- **Matrix Software and Tools**
 - Jewellery Wizard
 - Jewellery Creation Tools
 - Tools for stones, creating custom stones, stone setting and automatic open setting
 - Creation of Grains, Collets and other settings
 - Rendering with VrayRender
- **Development of the projects which have been designed in the research and creation classes**

➤ **Jewellery Design : 203 hours**



- Presentation of gouache techniques in jewellery :
 - The Metals : yellow gold, white gold, rose gold
 - The Gemstones : opaque and transparent cabochons
- Renderings of jewellery pieces and gemstones

➤ **Art and Jewellery History : 29 hours**





- Historical timescale of the art of jewel and jewellery making
- The Great Civilisation's of antiquity : The Middle Ages, The Renaissance and The Modern Times

➤ **Discover the Production Line in Jewellery Making : 51 hours**



- Stone Setting (**17.5 hours**)
- Polishing (**17.5 hours**)
- Precious metals and precious stones (**16 hours**)

Total Hours : 1 124 hours

Tariff : 21 500 €

➤ **French Language Course & Jewellery Making-Nomenclature:
210 hours**

Total Hours : 1 334 hours

**OPTION : French Language Course and Jewellery Making-
Nomenclature : 23 000 €**