



## Certification Course In Silver Assaying



Welcome to the **Certification Course In Silver Assaying** course a transformative journey for professionals seeking mastery in evaluating silver's quality and integrity. In this essential study, delve into lab safety, metallurgy, and advanced analytical techniques like XRF. Discover the art of silver testing through gravimetry and potentiometry, overcoming major analysis challenges along the way. With a deep dive into hallmarking regulations (IS2112), equip yourself to uphold silver's excellence across industries globally.

## WHAT YOU WILL LEARN?

### Theory Content

- Chapter 1 : Lab Safety Practices
- Chapter 2 : Basic Metallurgy of Silver
- Introduction with periodic table and crystal structure of Silver
  - Basic physiochemical and metallurgical properties of Silver
- Chapter 3 : Sampling Techniques for silver jewellery
- Chapter 4 : Preliminary analysis
- Chapter 5 : XRF Principle and Instrumentation
- Chapter 6 : Silver testing with Gravimetry and Potentiometry
- Major Challenges in Silver analysis
  - Basic Introduction about Silver analysis and overview of IS 2113
- Chapter 7 : Hallmarking - Rules and Regulations IS 2112

### Practical Content

1. XRF Instrument verification with standard strip
2. Practical hands on with XRF instrument  
(atleast with 4 different purity samples)
3. Practical Hands on with gravimetric technique (3 Complete cycles)
4. Practical Hands on with Potentiometric technique  
(3 Complete cycles)

#### *Program ID*

**IIG702 IAGES-SA**

#### *Duration in Hours*

60 Clock Hours

#### *Program Length*

8 Weeks

(May vary based on holidays and other scheduled breaks)

#### *What You Earn?*

Certification Course In Silver  
Assaying Certificate

#### *Who Should Pursue?*

Jewellery Artisans  
Jewellery Designer / Freelancer  
Jewellery Consultant  
Jewellery Merchandiser  
Jewellery Manufacturer  
Jewellery Business Owner  
PD Executive/ Manager  
Jewellery Practitioners  
Retailers / Wholesalers  
Auctioneers / Researchers

#### *Batch Timings*

Morning: 10 AM to 1 PM  
Afternoon: 2 PM to 5 PM

#### *Mode of Learning*

Offline - Online

#### *Campus*

Mumbai, Surat, Kolkata,  
Bengaluru

## ABOUT INTERNATIONAL INSTITUTE OF GEMOLOGY (IIG)

International Institute of Gemology (IIG) was established in the year 1965. We have educated more than 1,00,000 skilled professionals over the 5 decades of being in the industry. With over 25 specialized courses spread across Gems and Jewellery education array, we have the best-of-the-class professors conducting them..

Being an institute that believes in excellence, we offer programs of gems and jewellery education in not just Indian, but international languages too. Some of our programs are also recognized by the University of Mumbai. Every program holds global credibility.

It is our constant endeavor to develop individuals with a global vision who have a passion for gems and are visioned to turn that passion into expertise. In an industry built on a standard template, we believe in delivering tailored solutions for each of our students.



### Since 1965

Imparting Excellence  
in G&J Education

### 5,000+

Successful Designers  
Graduated

### 100%

Market Oriented  
Practical Curriculum

- ☐ Globally recognized programs, certified by University of Mumbai
- ☐ Hands on training by industry experts & experienced faculties
- ☐ Most successful placement assistance with industry renowned Jewellery Houses
- ☐ Business/startup advisory as well as professional advise on Jewellery Business Consultancy
- ☐ Flexibility in duration, learn at your pace, one on one focus
- ☐ In-depth knowledge about creative designing and jewellery manufacturing methods
- ☐ Understanding jewellery design concepts, rendering, coloring, budgeting etc.
- ☐ Industry/Market visits such as field trips, museums, exhibitions, factories and manufacturing units
- ☐ Excellent opportunities for networking to boost your reputation as a skilled jewellery designer
- ☐ IAGES-SA kit & study materials
- ☐ Free lifetime guidance and mentoring
- ☐ IIG alumni club membership



INTERNATIONAL  
INSTITUTE OF  
GEMOLOGY  
POWERED BY SRDC SINCE 1965



Scan to reach us

If you're considering studies at the International Institute of Gemology, we'd love to hear from you online or meet you on campus.

#### OFFICE HOURS

Monday - Friday: 09:00 - 17:30  
Saturday: 09:00 - 14:00

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