GIA[®] WINTER 2020 EDUCATION Quarterly

Hand Rendering

The Crucial Role of Hand Drawing in Jewelry Design

Why are Pink Diamonds Pink?

GIA Researchers Look at Natural and Laboratory-Grown Crystals

2020 GLOBAL CLASS SCHEDULE

ON CAMPUS & DISTANCE EDUCATION



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Hand rendering by Anna Lewiarz, GIA Jewelry Design graduate. Lewiarz's design was a finalist for the 2017 Gianmaria Buccellati Foundation Award for Excellence in Jewelry Design. The center stone is Watermelon tourmaline that is laser drilled, carved and etched with an image of "Dreaming Woman Surrounded by Flowers."

ACCREDITED BY





GIA's campus in Carlsbad is accredited by the Accrediting Commission of Career Schools and Colleges (ACCSC). GIA's campus in New York is accredited by the ACCSC as a branch of GIA's campus in Carlsbad. ACCSC accreditation is institutional in nature and includes GIA's U.S. On Campus education only. GIA's eLearning courses and lab classes are accredited by the Distance Education Accrediting Commission (DEAC). DEAC accreditation is institutional in nature and includes GIA's eLearning courses and lab classes.

GIA® Carlsbad: This institution is a private institution approved to operate by the California Bureau for Private Postsecondary Education. Approval to operate means the institution is compliant with the minimum standards contained in the California Private Postsecondary Education Act of 2009 (as amended) and Division 7.5 of Title 5 of the California Code of Regulations.

GIA New York: GIA's New York branch campus is licensed by the State of New York Bureau of Proprietary School Supervision.

For information about graduation rates, graduated students' median debt and other topics, visit GIA.edu/student-consumer-information

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Whether you are creative, technical-minded, hands-on, or just have a passion for beautiful objects, the gem and jewelry industry is the place to showcase your talent. Careers include jewelry designer, appraiser, bench jeweler, gem and jewelry sales and more. No matter your specialization, doors open once you acquire a GIA education. The Gemological Institute of America® offers a wide variety of diplomas and certificates respected throughout the industry. In the following pages, you will learn about GIA® programs and courses. Here are some highlights that make GIA a leader in gem and jewelry education:



Comprehensive curriculum on diamonds, colored gemstones, pearls, jewelry design and jewelry manufacturing.



Education programs created using GIA's industry-leading technology, field research and discoveries from the laboratory.



Learning environment with an emphasis on individualized attention and hands-on experience.



Flexible learning options: study full-time at a GIA campus or at your own pace via GIA Distance Education.

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Wide range of education and career support options, including financial assistance and scholarship opportunities.

GIA ON CAMPUS EDUCATION





"I love the GIA experience. It's great to come here every day and walk through the halls and sit in the classrooms with people that share the same passion as you."

Troy Underwood, GIA GG and Jewelry Design graduate Come to a GIA campus and step into the exciting world of gemology, jewelry design and jewelry manufacturing. Your time at GIA will be a transformative one. You'll immerse yourself in classwork that fires your imagination and helps prepare you for professional success. Create lifelong friendships and join a professional network that circles the globe.

Campuses

 GIA[®] campuses span the globe: Carlsbad (GIA World Headquarters in California), New York, Bangkok, Hong Kong, London, Mumbai and Taiwan.

Faculty and Administrators

- GIA faculty have in-depth practical and theoretical knowledge of colored gemstones, pearls and diamonds, the gem and jewelry industry, and equipment you'll use on the job.
- Our administrators and staff are dedicated to helping you succeed. Many are GIA alumni, so they understand what it is like to study full time at a GIA campus.

Programs and Courses

- Full-time programs and courses run from 7 to 26 instructional weeks.
- Year-round start dates let you begin when it fits your schedule.
- On-campus study provides access to a full range of GIA programs and courses for gemology, jewelry design and jewelry manufacturing.
- Our lab classes can fulfill your Distance Education requirements, sharpen your skills or introduce you to a topic of interest.

Classrooms

- Class sizes are small typically 12 to 24 students to maximize individual attention from instructors.
- Learn in modern classrooms using professional-grade equipment and software similar to what you will find on the job.

An Experience Beyond the Classroom

- Study with like-minded students who are as passionate about gems and jewelry as you are.
- An international student body creates a diverse, multicultural experience and helps provide a global perspective on the gem and jewelry industry.
- Participate in organized activities and social gatherings with your classmates.
- Hear from GIA researchers, industry leaders and alumni at guest lectures or special seminars.

Learn more about GIA campuses at GIA.edu/gem-education/campuses

CAREER SUPPORT

Beyond the Diploma

GIA Career Services

Receive career guidance and assistance to help you develop your career plans and find a job after graduation.

 Gem & Jewelry Career Center – the premier online job board with opportunities exclusively in the gem and jewelry industry.

Search for or post a job at GIA.edu/gem-job

 Job Seeker's Handbook – resume, interview, and portfolio presentation tips tailored to the gem and jewelry industry.
 Download your copy at GIA.edu/job-handbook



Students and graduates have the opportunity to attend GIA Jewelry Career Fairs to find jobs and network.



Alexander Kreis, master gem-cutter, and his mother, Sonja Kreis, presented a lecture on their experiences with gem cutting and designing jewelry for their family business, Kreis Jewellery.

Join the Global GIA Alumni Network

When you graduate from a GIA® program or course, you join an invaluable global alumni network. The GIA Alumni Association encourages lifelong relationships, provides opportunities for continuing education, and fosters networking throughout the gem and jewelry industry.

Stay Informed. Stay Connected. GIA.edu/gia-alumni

GIA Jewelry Career Fairs

Focused exclusively on jobs in the gem and jewelry industry, GIA Jewelry Career Fairs connect students and graduates with dozens of companies looking to hire. More than just career opportunities, career fairs offer career coaching, networking and industry trends. 2020 career fairs include:

- New York Friday, March 13
- London Friday, June 19
- Carlsbad Friday, October 16

Learn more at careerfair.GIA.edu

GIA DISTANCE EDUCATION



"I have a very busy life, so it was really nice that I was able to study at my own pace through Distance Education. So there were times where I knocked out chapter after chapter, and I was able to get really great feedback from my instructor." Erin Ahearn, GIA GG, GJ Earn a GIA gemology diploma via GIA Distance Education by completing a combination of online eLearning courses and on-campus lab classes to gain the knowledge and skills you'll need to advance your career.

How You'll Learn

eLearning Courses

- Rich graphics, images and videos bring gemology to life.
- Study whenever and wherever you want, then submit assignments and take exams through our easy-to-use online eLearning platform. Internet access required.
- Complete each course at your own pace within generous completion times (3 to 24 months, depending on the course).

Lab Classes

- Develop your gem grading and identification skills under the helpful eye of an experienced instructor.
- Learn to use professional gemological equipment.
- Offered at GIA® schools worldwide. See class schedule starting on page 24.

Faculty

Distance Education students are assigned a primary instructor who is their main point of contact throughout their Distance Education coursework. Instructors offer a unique mix of industry experience and gemology expertise, and are there to answer questions and help guide students through their coursework. Learn more about our instructors at GIA.edu/distance-ed-faculty

Student Workrooms

Many GIA campuses and locations feature a Student Workroom designed to give Distance Education students a place to practice using gemological equipment and gemstones, take a proctored online exam or complete the practical requirements of your Gem Identification course. Availability, schedule and costs vary by location. Learn more at GIA.edu/student-workroom

Start your professional gemology education now with GIA Distance Education. Learn more and apply online at **GIA.edu/distance-ed**

HOW TO EARN YOUR CREDENTIAL

eLearning Courses and Lab Classes Required for Distance Education Diploma Programs





eLearning Courses (with maximum completion time)*

- Jewelry Essentials (3 months): Learn the most important features of fine jewelry and how they combine to give a piece its unique value.
- **Diamond Essentials** (3 months): An introduction to the industry's most important gem, including accurately describing diamond jewelry.
- Colored Stone Essentials (3 months): Learn the basics of colored gemstones with a focus on ruby, sapphire and emerald.
- Diamonds & Diamond Grading (15 months): Learn the skills needed to grade the color, clarity and cut of diamonds.
- Colored Stones (18 months): An in-depth look at the multitude of colored stones sold in today's market.
- Gem Identification (24 months): Practice identifying more than 60 species of gemstones, including natural gems, laboratory-grown and treated.
- Pearls (6 months): Learn how to buy and sell akoya, South Sea, Tahitian and freshwater pearls with insight and skill.



Lab Classes (offered at GIA® locations worldwide)

- Diamond Grading (5 days): Explore how to grade diamonds consistently and accurately using a modern gem microscope and a loupe.
- Colored Stone Grading (3 days): Explore grading the color, clarity and cut quality of a wide range of colored stones.
- Gem Identification (5 days): Practice time-tested procedures and identification skills used by GIA's own experts.
- **Pearl Grading** (1 day): Use GIA's 7 Pearl Value Factors[™] to evaluate the quality of akoya, South Sea, Tahitian and freshwater pearls.



GRADUATE GEMOLOGIST°

GIA Graduate Gemologist graduates often choose these careers:

Appraiser Auction House Jewelry Specialist Colored Stone Buyer Diamond Buyer Diamond Sorter/Grader Estate Jewelry Dealer Gemologist Inventory Control Specialist Jewelry Business Owner Jewelry Buyer Lab and Research Professional Merchandiser Pawnbroker Retailer Sales Associate Wholesaler

Contact Career Services for more information: careerservices@gia.edu



Diamond, Emerald, Pearl Ruby gem courtesy: Bear Essentials Sapphire gem courtesy: Mayer & Watt.

The Professional Credential That Opens Doors in the Gem and Jewelry Industry

The GIA Graduate Gemologist[®] (GG[™]) diploma program delivers a comprehensive gemology education on diamonds and colored stones. Using the latest gemological equipment, you will work with real diamonds and gemstones under the trained eyes of GIA instructors. Through extensive lab work, you will practice identifying and grading diamonds and colored stones in an efficient, accurate and consistent manner. Skills taught include evaluating a diamond's proportions; distinguishing natural, treated and laboratory-grown gemstones; and using the GIA Colored Stone Grading System to determine gemstone quality. When studying on campus, you will receive tweezers, a 10x loupe, a pointer probe, plotting pens, a gem cloth, a table gauge, a crown angle card, a color grading card, a polariscope, a dichroscope, a handheld spectroscope, a pinpoint incandescent light source, a refractometer with polarizing filter and removable magnifying eyepiece, refractive index (RI) liquid, lab manuals and printed course materials.

What You Will Learn:

- Develop in-depth, hands-on experience with the GIA International Diamond Grading System[™] and the 4Cs of Diamond Quality (Color, Clarity, Cut and Carat weight)
- Grade diamonds in the D-to-Z color range
- Build a knowledge base about colored stones and the colored stone market
- Use gemological equipment effectively to identify gemstones
- Use the GIA Colored Stone Grading System to evaluate gemstone quality
- Identify gemstone characteristics, simulants and treatments, and recognize when advanced testing is required
- Understand how gems are mined, fashioned and brought to the marketplace
- Recognize how quality, rarity and color affect value
- Determine how market factors affect gem value

What You Earn: GIA Graduate Gemologist Diploma, GIA Graduate Diamonds Diploma, GIA Graduate Colored Stones Diploma

💡 On Campus

Full-time program offered at GIA® campuses worldwide.

See class schedule beginning on page 24.

Distance Education

A combination of eLearning courses offered through GIA in Carlsbad and instructor-led lab classes offered at GIA campuses and other locations worldwide (see *GIA Education Catalog* or GIA.edu for details).

Colored Stones

Gem Identification

Five eLearning courses

- Diamond Essentials
- Diamonds & Diamond Grading
- Colored Stone Essentials

Three lab classes

- Diamond Grading lab 5 days (or 10 nights when applicable)
- Colored Stone Grading lab 3 days (or 6 nights when applicable)
- Gem Identification lab 5 days (or 10 nights when applicable)

See class schedule beginning on page 24. For eLearning and lab class descriptions, visit GIA.edu/distance-ed

Learn more about where the Graduate Gemologist Program can take you at **GIA.edu/GG**

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GRADUATE PROFILE **Faris Saif** GRADUATE GEMOLOGIST

Growing up in Lebanon, Faris Saif had been fascinated with gemstones. This blossomed into a love of jewelry when his family opened a jewelry business. After obtaining his bachelor's in business management in the United Kingdom, he enrolled in the Graduate Gemologist (GG) program at GIA®. Now a Sotheby's Diamonds sales associate in London, Saif is an active supporter of the GIA Alumni Association.

A Family Legacy of Jewelry

"I love gemstones, because they truly are the silent witnesses of our planet. When my family began buying and selling jewelry across the Middle East, I was exposed to jewelry designs from all over the world. This made me love jewelry in addition to gemstones, so I decided to follow in my father's footsteps by entering the gem industry.

My father was a big influence when I was growing up. He is a charismatic, self-taught businessman who has been an entrepreneur his entire life. He taught me finesse and many skills that have helped me to succeed.

A Jumpstart Through GIA

I pursued a GG at GIA because the gemological expertise that this institute offers is second to none. In addition, this institute is a great platform for building relationships and an important stepping stone into the industry. GIA lived up to everything I hoped it would be. The teaching methods, course structure and expertise of its instructors helped me to excel.



Saif speaking at the 2019 GIA Jewelry Career Fair in London held at the Goldsmiths' Hall.

One of my best experiences while studying at GIA in Carlsbad was touring a tourmaline mine in the Pala area near San Diego with my class. I learned a lot about the mine to market journey of gems as well as the sheer physical effort it requires to mine gems. I also enjoyed bonding with my classmates. We came away with many memories that remain with us to this day.

From GIA to Sotheby's Diamonds

My GG diploma helped me obtain my current job at Sotheby's Diamonds, which is a unique joint venture between Sotheby's and Diacore, experts at cutting and polishing extraordinary diamonds. I helped Sotheby's Diamonds launch its first London boutique in the Sotheby's headquarters on Bond Street.

My current role is in sales and client relationships. Clients nowadays are knowledgeable about the jewelry they want to purchase. The gemological expertise I gained at GIA is a powerful tool for answering questions and explaining the value and rarity of gems.

Contributing as a GIA Alumnus

The GIA career services team in both Carlsbad and London helped me a great deal in my job search. I wanted to give back to the Institute, so when I was asked to be a panelist for the GIA Jewelry Career Fair in London, I was delighted. I shared my story and encouraged students to stay positive during their job search. It was great meeting students and industry professionals, all of whom exuded enthusiasm and charisma, and shared the same goals.

I can't encourage graduates enough to join the GIA Alumni Association. Even if you already have a job that you enjoy, you can always learn something new or be inspired by others in the industry. Combining your passion with the Alumni Association's resources lets you go in directions you never imagined before.

GIA RESEARCHERS DELVE DEEPLY INTO PINK DIAMONDS

Natural pink diamonds are among the most valuable of Earth's treasures. Top, vivid-colored stones can bring more than US \$2 million per carat at major auctions. Such prices come from their rarity as much as their beauty – only a tiny percentage of diamonds have pink color, and only a tiny percentage of these have a rich, vivid color.

Pink diamonds created in a laboratory, however, are quite different from most of their natural counterparts. Manufacturers can't replicate the way the vast majority of these fancy colored diamonds were formed in nature, according to GIA[®] researchers.

Employing GIA's immense database of more than 90,000 natural pink and related colored diamonds graded between 2008 and 2016, GIA researchers, Dr. Sally Eaton-Magaña, senior research scientist; Troy Ardon, research associate; Dr. Karen V. Smit, research scientist; Dr. Christopher M. Breeding, senior research scientist; and Dr. James Shigley, distinguished research fellow, produced the most detailed and comprehensive gemological analysis of pink diamonds to date, published in the Winter 2018 edition of the Institute's quarterly journal, *Gems & Gemology* (view the full article at **GIA.edu/gems-gemology-winter-2018**).

The sample set of 90,000-plus diamonds includes all those submitted to GIA from 2008-2016 with pink as a contributing color, but spans the color hue range from red to purple and

saturation range from faint to dark, along with brown diamonds which share a similar cause of color as pink and related stones. Many of those diamonds were small, with low color saturation.

This research confirms that the color of 99.5% of natural pink diamonds comes from distortion in their crystal structure which creates an absorption band centered at 550 nanometers, not from trace elements such as nitrogen, which can cause yellow coloration in diamonds or boron, which causes blue coloration. In pink diamonds containing nitrogen, the color is concentrated within parallel narrow bands called lamellae. These lines are visible under a microscope and cutters orient them perpendicular to the diamond's table to maximize body color.

While trace elements and other color-causing defects can be introduced in a laboratory diamond production process, the distortions that create the pink color in natural diamond cannot.



Type Ia natural diamonds typically show color concentrated only within pink lamellae (bands), while the remainder of the diamond is relatively colorless, or through subtle graining. Type IIa natural, and HPHT (High Pressure, High Temperature) and CVD (Chemical Vapor Deposition) laboratory-grown diamonds tend to have more uniformly distributed color. Laboratory-grown diamonds are typically more highly colored than most natural pink diamonds. Note, the dark inclusion in the HPHT-grown diamond is metal flux leftover from the growth process.



Pink diamonds courtesy of Argyle Pink Diamonds.

How Laboratory-Grown Pink Diamonds are Made

There are laboratory-grown pink diamonds in the market, but they are created by three different methods, said Eaton-Magaña.

"The first, and most common, is through irradiating (exposing to radiation) a laboratory-grown diamond, then subjecting it to temperatures between 600°C and 1000°C", she said. "The vast majority of pink and related colors are made using this method."

A tiny percentage of natural pink diamonds, often called Golconda pinks, also derive their color from a combination of radiation and heating while in the earth. Golconda pinks are Type IIa diamonds (a rare type of diamond with an exceptionally pure chemical composition: almost all carbon, with negligible amounts of nitrogen or boron) with a very uniform pink color. Generally, the laboratory-grown and treated diamonds are more highly colored.



As-grown, CVD Laboratory-grown diamonds are often brown (upper left). Additional HPHT treatment removes the brown to create most of the near-colorless material (upper right). Irradiation and heating treatments can turn some nitrogen-laced CVD diamonds pink (bottom).

The second method of creating the pink color cited by GIA's researchers is growing chemical vapor deposition (CVD) diamonds with a 520 nanometer spectral band that results in an orangy-pink color. The GIA lab has seen a few of these stones and the color was not as vibrant as other pink laboratory-grown diamonds.

The third method, Eaton-Magaña said, is achieved by adding high amounts of silicon to the CVD growth process. When exposed to ultraviolet illumination, the added silicon creates reversible color change between the stable pink-to-brown color and a temporary blue-to-gray color.

Where Natural Pink Diamonds Come From

The Argyle Mine in Australia is the dominant source for highly saturated (colored) pink, purplish-pink and red diamonds. The decline in the number of such stones in the market likely will be substantial after the mine closes in 2020.

Argyle pinks are Type Ia diamonds (diamond containing trace amounts of nitrogen atoms as impurities in the crystal lattice) as are pinks from Russia. Type IIa pink diamonds come from other sources but there is no reported regular production from any mine.

Research Aids Detection of Treated and Laboratory-Grown Diamonds

This pink diamond study enables GIA to better understand how these rare and beautiful diamonds formed and the properties that give them their color. The researchers found many new details by comparing the absorption spectroscopy and photoluminescence data across this large database of pink diamonds. These findings add to the understanding of these amazing stones – which can enable faster, more accurate identification.

The research from this study reinforces GIA's development of a new upgrade to the GIA iD100 gem testing device, which distinguishes natural from laboratory-grown diamonds instantly and accurately. With the addition of the GIA iD100 Pink Diamond Software Upgrade, the device can distinguish natural pink diamonds from laboratory-grown (HPHT and CVD) diamonds, diamond simulants and natural diamonds whose pink color is introduced by treatments involving irradiation and annealing.

> A comprehensive education about diamonds from GIA can help ensure you are keeping up with today's evolving diamond industry. Learn about GIA diamond courses at **GIA.edu/diamond-education**



GIA Graduate Colored Stones graduates often choose these careers:

DIPLOMA

Appraiser

Auction House Jewelry Specialist Colored Stone Buyer Estate Jewelry Sales Jewelry Business Owner Jewelry Buyer Pawnbroker Retailer Wholesaler

Contact Career Services for more information: careerservices@gia.edu





Tanzanite and Yellow Sapphire

Countless Colors, Limitless Possibilities

The GIA Graduate Colored Stones diploma program explores the identification of common and unusual gemstones found in the marketplace. Subjects covered include the GIA Colored Stone Grading System and the correct usage of standard gemological equipment to distinguish natural, treated and laboratory-grown gemstones. The program also examines which gems are commercially important, shifting supply patterns, and how these factors affect gem prices and availability. This program also includes the study of more than 60 species of gemstones and how illumination techniques can facilitate the identification process. When studying on campus, you will receive a polariscope, a dichroscope, a handheld spectroscope, a refractometer with polarizing filter and removable magnifying eyepiece, refractive index (RI) liquid, tweezers, a pinpoint incandescent light source, lab manuals and printed course materials.

What You Will Learn:

- Build a knowledge base about colored stones and the colored stone market
- Use gemological equipment effectively to identify gemstones
- Use the GIA Colored Stone Grading System to evaluate gemstone quality
- Recognize how quality, rarity and color affect value
- Determine how market factors affect gem value
- Understand how gems are mined, fashioned, and brought to the marketplace

What You Earn: GIA Graduate Colored Stones Diploma

💡 On Campus

Full-time program offered at GIA® campuses worldwide.

See class schedule beginning on page 24.

Distance Education

A combination of eLearning courses offered through GIA in Carlsbad and instructor-led lab classes offered at GIA campuses and other locations worldwide (see *GIA Education Catalog* or GIA.edu for details).

Three eLearning courses

- Colored Stone Essentials
- Colored Stones
- Gem Identification

Two lab classes

- Colored Stone Grading lab 3 days (or 6 nights when applicable)
- Gem Identification lab 5 days (or 10 nights when applicable)

See class schedule beginning on page 24.

For eLearning and lab class descriptions, visit GIA.edu/distance-ed



Learn more at GIA.edu/GCS

GRADUATE DIAMONDS

GIA Graduate Diamonds graduates often choose these careers:

Auction House Jewelry Specialist Diamond Buyer Diamond Sorter/Grader Estate Jewelry Sales Jewelry Business Owner Retailer Wholesaler

Contact Career Services for more information: careerservices@gia.edu





Polished Diamond

The Tremendous, Treasured and Timeless Diamond

The GIA Graduate Diamonds diploma program examines the technical expertise needed to grade, buy, and sell diamonds with the insight of a seasoned professional. This diploma program explores the GIA diamond grading procedures to assess the 4Cs of Diamond Quality – Color, Clarity, Cut and Carat weight – and how they affect diamond value. Students use professional diamond grading equipment for the purposes of examining a diamond's quality characteristics to grade and identify diamonds. Coursework also includes creating plotting diagrams; determining fluorescence; and detecting treated diamonds, laboratory-grown diamond body color, and the role cut plays in the marketplace and important sectors of the diamond industry, including dealers, cutters and manufacturers. When studying on campus, you will receive tweezers, a 10x loupe, a pointer probe, plotting pens, a gem cloth, a table gauge, a crown angle card, a color grading card, a lab manual and printed course materials.

What You Will Learn:

- Develop in-depth, hands-on experience with the GIA International Diamond Grading System[™] and the 4Cs of Diamond Quality (Color, Clarity, Cut and Carat weight); appreciate how they affect diamond value
- Grade diamond in the D-to-Z color range
- Detect diamond treatment, simulants and laboratory-grown diamonds
- Recognize when advanced testing is required
- What You Earn: GIA Graduate Diamonds Diploma

On Campus

Full-time program offered at GIA® campuses worldwide.

See class schedule beginning on page 24.

Distance Education

A combination of eLearning courses offered through GIA in Carlsbad and instructor-led lab classes offered at GIA campuses and other locations worldwide (see *GIA Education Catalog* or GIA.edu for details).

Two eLearning courses

- Diamond Essentials
- Diamonds & Diamond Grading

One lab class

• Diamond Grading lab – 5 days (or 10 nights when applicable)

See class schedule beginning on page 24.

For eLearning and lab class descriptions, visit GIA.edu/distance-ed



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The Role of Hand Drawing in Jewelry Design

Where Inspiration First Takes Form

Putting a design down on paper is the first step in the design process. It can be a quick sketch for capturing ideas and inspiration, a technical drawing to provide detailed specifications required for production, or a realistic color rendering that conveys the emotion of a particular piece of jewelry. In recent years, CAD has become a staple in jewelry design, nonetheless, hand rendering continues to play an irreplaceable role in the jewelry design process.

Capturing Inspiration

Custom jewelry has risen in popularity as consumers increasingly seek items that are personalized and unique. At the heart of custom jewelry is hand drawing. Hand drawing is an important and efficient skillset, especially early in the design process. A practiced designer can sketch a dozen ideas in the time it would take a CAD (computer-aided design) designer to complete one. These sketches are crucial because they convey information across languages and cultures, adding a personal touch that assures clients that they are receiving something unique and that the designer's vision aligns with their own. Tammy Dominik, GIA Graduate Gemologist and Jewelry Design graduate, also lead designer and gemologist of Jewel Princess, expresses similar sentiments. "We're able to quickly work through design ideas with clients and give them the confidence in our craftsmanship to order a one-of-a-kind piece."

"Hand rendering is the language of creation, design and development."

Haneen AlQunaibit, GIA Jewelry Design graduate, Owner and Creative Director of Amarin Jewels This hand-rendered design by GIA Jewelry Design graduate Ching-Hui Weng won the 2018 Gianmaria Buccellati Foundation Award for Excellence in Jewelry Design. Inspired by the Taiwanese Blue Magpie, this brooch features opal, aquamarine, lapis lazuli, black chalcedony, coral, diamonds, white and yellow gold.



Detailed Renderings Add Brand Appeal

Color renderings bring a design to life. They translate concepts into tangible, realistic, to-scale images that convey the color of the metal and gems used in jewelry, accurately portraying the light reflections, shadows and highlights. According to Martin Katz – jeweler to the likes of Angelina Jolie, Gigi Hadid and Sandra Bullock – the best renderings do more than relay details; they express personality and create emotion, tipping the scale in a customer's decision to purchase. Katz hires professional hand renderers to illustrate his sketched designs, because to him, artistic hand rendering is "the DNA and birth of the brand." As clients become increasingly interested in the story behind their purchases, hand renderings add to the provenance of a piece of jewelry. Katz gifts his clients the renderings of the pieces they purchase, and many of his clients frame those renderings as mementos and functional decor.

Technical Drawings are the Blueprint of Jewelry

The next step in the jewelry design process, is crucial to taking a design into production. Technical drawings are passed on to technicians to be recreated in CAD or used directly by a bench jeweler for hand fabrication. The jewelry in a technical drawing must therefore be drawn to scale from multiple viewpoints, and the measurements of different parts must be mapped out and reflect proper jewelry engineering. Parts, such as prongs or shanks, should be strong enough to protect the gems, withstand daily wear and tear, and take into account the durability of the precious metals used.

Of course, a well-designed piece of jewelry must be more than just well-engineered. It must be functional and aesthetically pleasing. It should not have sharp parts that might scratch the wearer or be too heavy for comfort; earrings, especially, should be kept light. A skilled designer and technical drawer melds beauty with practicality.



Realistic color renderings, created with watercolor or opaque gouache pigments bring a design to life.

Technical drawings in multiple perspectives provide the specifications required to move to the next stage of production.

The final piece reflects the beauty of the original inspiration, melded with proper engineering to create a beautiful, functional and longlasting piece of jewelry. In this example, rubies were substituted for the blue sapphires shown in the color rendering.

Design above courtesy of Por Phanpanit, GIA Jewelry Design graduate

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GIA's Jewelry Design Course

Retail store owners, custom jewelry designers, custom jewelry sales representatives, bench jewelers and appraisers are among the professionals who can benefit from being able to draw accurate and functional jewelry designs. GIA® offers a nine-week Jewelry Design certificate course that teaches the development of design ideas, technical drawing and jewelry engineering, as well as color rendering with watercolor and more opaque gouache pigments.

Students can see experienced instructors model drawing techniques and receive one-on-one feedback on their own renderings. The course has proved popular for students of all ability levels, including many gemology students who are inspired to find ways to showcase the beautiful gems they are studying. Taking the GIA Jewelry Design course is a perfect companion to their gemology courses.



GIA Jewelry Design course students learn technical and hand-rendering skills in a methodical, step-bystep manner from experienced instructors.

During the first half of the course, students learn how to draft and render gemstones and metals – shapes, shading, highlighting and more. The goal of these depictions, according to Jewelry Manufacturing Arts instructor Doug Hall, is not so much to record every detail of every gem but to use artistic shorthand to convey the basic form and beauty of the jewels.

The second half of the course is spent developing individual creativity and designing unique jewelry pieces. Students are encouraged to let their imagination take flight. They create multiple design concepts around different themes as well as explore a new language for discussing aesthetics and evaluating their own work.

Students also learn critical engineering factors to keep in mind when designing. These factors include shank thickness, prong dimensions and considerations of integrating moving parts into jewelry for visual impact, comfort, and durability. Students graduate from the program with a design portfolio showcasing a variety of jewelry types based on different criteria. This portfolio is geared towards attracting clients and impressing potential employers.



GIA Jewelry Design course graduate Anfen Kuo's pendant features 18K white and rose gold with a faceted Tahitian pearl and diamonds. Learn more about Kuo's growth as a designer on page 20.

Building Confidence

The Jewelry Design course is crafted so that students of all levels can benefit from its content. Instructors teach hand rendering skills in a methodical, step-by-step way that is easy for students with no art or drawing background to follow; yet thorough enough, that even experienced drawers will learn new techniques. According to Maria Tsangaropoulos, a Jewelry Design instructor at GIA in New York, "Magic happens when you add skill to inspiration. I can see my students grow in confidence along with their ability. For so many, the skills they learn give them the assurance they need to design professionally."

An Exclusive Design Competition

GIA Jewelry Design students are given the exclusive opportunity to participate in the Gianmaria Buccellati Foundation Award for Excellence in Jewelry Design, a competition created to conserve, celebrate and honor the hand rendering and handmade jewelry design skills of its founder, Gianmaria Buccellati. Every year, one student's design is selected from each Jewelry Design course offered at all GIA global campuses to be a finalist in the competition. The winner receives a trip to Italy including a behind-the-scenes look at Buccellati's original designs.

Whether it's designing on-the-go, or executing a technical drawing or hand-rendered image, the ability to draw jewelry remains an essential jewelry design skill that can't be easily replaced by computer-aided models. Haneen AlQunaibit, GIA Jewelry Design graduate and owner of Amarin Jewels sums it up well when she says: "Hand rendering is the language of creation, design and development."

Learn the skills to turn your inspiration into beautiful, well-engineered jewelry in the GIA Jewelry Design course. See page 22 to learn more.



SCHOLARSHIPS & FINANCIAL AID

GIA believes that anyone who has a passion for gems and jewelry should be able to pursue it. That's why we are pleased to offer a number of financial assistance options to help you finance your education.

GIA Scholarships

For classes starting in 2020, GIA is offering US \$2 million in scholarships to qualified applicants.

- Available for on-campus programs, lab classes and online eLearning courses.
- Offered at these GIA[®] locations: Bangkok, Carlsbad, Hong Kong, London, Mumbai, New York and Taipei.
- Complete one online application to be considered for all appropriate scholarships.

Annual Application Periods:

- February 1 to March 31, 2020 (for classes starting in June through December of 2020)
- August 1 to September 30, 2020 (for classes starting in 2021)

Learn more at GIA.edu/scholarships

Options Available for the Carlsbad and New York Campuses

Federal Student Aid (Loans and Grants)

Federal aid includes grants and student loans through the U.S. government, and is available to eligible 6-month, full-time on-campus students who are U.S. citizens or hold U.S. permanent resident status.

It is recommended to apply for Federal Student Aid four to six weeks prior to your anticipated start date. For more information on how to apply, visit **GIA.edu/gem-education-financial-aid**

Veterans Administration Education Benefits

Students with eligible VA GI Bill® Education Benefits may use them for select on-campus programs. GIA's Distance Education programs (eLearning and lab classes) are not eligible for VA benefits, as evaluated by the Department of Veterans' Affairs.

Learn more at GIA.edu/gem-education-va-gi-bill-education-benefits

| Summary of Financial Assistance Available for GIA Programs and Courses* | | | | |
|---|-------------------------------|---------------------|------------------------------------|--|
| | GIA Administered Scholarships | Federal Student Aid | Veterans Admin. Education Benefits | |
| On Campus Programs & Courses | | | | |
| Graduate Gemologist | • | • | • | |
| Graduate Diamonds | • | | • | |
| Graduate Colored Stones | • | | • | |
| Graduate Jeweler | • | • | • | |
| Jewelry Design & Technology | • | • | • | |
| Comprehensive CAD/CAM for Jewelry | • | | • | |
| Jewelry Design | • | | • | |
| Distance Education | | | | |
| eLearning Courses | • | | | |
| Gemology Lab Classes | • | | | |

*For those who qualify.

Learn more about financial assistance options at GIA.edu/gem-education-financial-aid



"A GIA scholarship made a huge impact in my life. I would not have been able to attend GIA without it."

Anna Doll, GIA GG, AJP



APPLIED JEWELRY PROFESSIONAL™

The GIA Applied Jewelry Professional program provides fundamental education for professionals in careers like these:

Jewelry Assistant Manager Jewelry Sales Professional Television Shopping Host Pawnbroker

Contact Career Services for more information: careerservices@gia.edu



T Shite D

Courtesy: Avigdor Jewelry

The Front Line of the Jewelry Industry

The GIA Applied Jewelry Professional[™] (AJP) diploma program covers topics including jewelry designs, setting styles, jewelry care and other content that will support the product knowledge of current industry professionals. The AJP® program also introduces basic information about diamonds, rubies, emeralds, sapphires and the GIA clarity grading system. Other subjects of study include how modern technology is changing the way diamonds are cut, the qualities of precious metals, major jewelry manufacturing methods and the important activities involved in the operation of a retail jewelry store. To enable effective product conversations, examples are provided on how to translate jewelry features into benefits and how to communicate the 4Cs of Diamond Quality to customers. The AJP program provides clear and concise information that can be immediately implemented on the job.

What You Will Learn:

- Describe how the 4Cs of Diamond Quality (Color, Clarity, Cut and Carat weight) affect a diamond's value
- Recognize the relationship between size and weight of diamonds
- Explain the differences between treated, laboratory-grown and imitation stones to sell with full disclosure
- Understand the steps of the jewelry sales process
- Translate jewelry design, style and manufacturing features into benefits
- Convey the romance, lore and characteristics of the most popular colored gemstones

What You Earn: GIA Applied Jewelry Professional diploma

Distance Education

Courses offered through GIA® in Carlsbad (see *GIA Education Catalog* or GIA.edu for details).

Three eLearning courses

- Jewelry Essentials
- Colored Stone Essentials
- Diamond Essentials

For eLearning descriptions, visit GIA.edu/distance-ed

Learn more at GIA.edu/AJP

GRADUATE PEARLS

GIA Graduate Pearls graduates often choose these careers:

Jewelry Business Owner Pearl Buyer Pearl Sorter/Grader Retailer Wholesaler

Contact Career Services for more information: careerservices@gia.edu



Timely Knowledge for Timeless Treasures

The GIA Graduate Pearls diploma program provides the product knowledge and grading skills to buy inventory and effectively build confidence when buying and selling akoya, South Sea, Tahitian and freshwater pearls. You will be taught GIA's 7 Pearl Value Factors™: size, shape, color, luster, surface quality, nacre quality and matching – the essential criteria for assessing the value and beauty of pearls. Topics covered include post-harvest treatments, imitation pearls and pearl testing. Students will get hands-on training and practice testing pearls for authenticity and post-harvest treatments. Each student will receive a lab manual.

What You Will Learn:

- Explain the differences between natural and cultured pearls
- Evaluate and grade cultured pearls based on GIA's 7 Pearl Value Factors
- Describe the components of the GIA Pearl Reports
- Describe cultured pearl types and their sources
- Identify "other" pearl types found in the marketplace
- Describe common pearl treatments
- Understand the relationship of beauty, value and quality
- Learn the process of pearl culturing and marketing

What You Earn: GIA Graduate Pearls Diploma

Distance Education

A combination of one eLearning course offered through GIA® in Carlsbad and an instructor-led lab class offered at GIA campuses and other locations worldwide (see *GIA Education Catalog* or GIA.edu for details).

One eLearning course

- Pearls
- One lab class
- Pearl Grading lab 1 day (or 2 nights when applicable)
- See class schedule beginning on page 24.

For eLearning and lab class descriptions, visit **GIA**.edu/distance-ed

Learn more at GIA.edu/GP



Cultured pearl



GRADUATE PROFILE Anfen Kuo JEWELRY DESIGN & TECHNOLOGY

Anfen Kuo had always loved art. It wasn't until she learned silver clay modeling, however, that she discovered her true passion – jewelry. In her pursuit to become a jewelry designer, Kuo completed the Jewelry Design course, and earned her Graduate Gemologist (GG) and Jewelry Design & Technology (JDT) diplomas at GIA. She even taught hand-drawn designing and gemology at GIA's campus in Taiwan. Founder and creative director of Kuo Jewellery, she hopes to take her jewelry line to the international level.

Discovering Jewelry Design

"I spent years in my early twenties working at unsatisfying jobs, including as a graphic designer at an advertising agency. Stumbling upon silver clay modeling ignited my passion for jewelry and jumpstarted my career. With jewelry design, I'd finally found a medium that united my interest in 3D forms with my passion for art.

The GIA Student Experience

My newfound interest in jewelry led me to GIA, where I took the Jewelry Design course to learn how to design jewelry and illustrate my designs to scale by hand. This class opened the door for me to work as a goldsmith assistant and then jewelry designer for different companies. I quickly realized how important gem knowledge is to producing quality designs. This led me back to GIA to obtain my GG diploma.

I found that GIA courses are well-designed for beginners. The instructors take a step-by-step approach in giving us a solid professional foundation bolstered by hands-on experience. Although the courses are intense, you will thrive if you carefully follow the learning process.

Teaching at GIA

Teaching future gemologists and designers at GIA in Taipei, Taiwan helped me grow as a better designer. My favorite part of teaching was attending graduation ceremonies. After months of seeing my students increase in skill and confidence, it thrilled me to see how excited they were, and it moved me to know that I was a part of their journey. Teaching design also improved my awareness of three dimensional structures and the feasibility of my designs.



Kuo creates hand renderings of her designs, then produces them in CAD before manufacturing. These cufflinks are sterling silver with 18K white gold plating and feature smoky quartz and diamods.



Kuo created this ring with a faceted pink pearl, 18K rose gold and diamonds.

Expanding into Computer-Aided Design

To take my hand-fabricated jewelry to the next level, I needed to use computer-aided design. I therefore enrolled in the JDT program at GIA in Carlsbad to learn CAD and 3D printing. While there, I broke my own limits and exceeded my own expectations. It was winning the Student Choice Award in my JDT class, however, that took my confidence to another level. Winning gave me the emotional lift I needed to expand my own brand.

Forward Progress

I'm always looking for new techniques I can use to elevate my designs. For example, I recently studied gold engraving in Italy. My goal is to make Kuo Jewellery a global brand. I currently focus on creating one-of-a-kind unique jewelry – rarely producing more than one piece from a single design – and am selling my jewelry through several distributors as well as my website. My designs are inspired by organic, natural and architectural forms. I want to bring more beauty into the world and, through my successes and experiences, to support and inspire a new generation of designers."

JEWELRY DESIGN & TECHNOLOGY

GIA Jewelry Design & Technology graduates often choose these careers:

CAD Designer CAM Operator CAD/CAM Service Bureau Technician Jewelry Designer Product Developer Quality Assurance Specialist

Contact Career Services for more information: careerservices@gia.edu



Skills From Concept to Counter

The GIA Jewelry Design & Technology diploma program covers topics essential to becoming a jewelry designer and CAD (computer-aided design) technician, including being able to build a CAD model of jewelry using engineering specifications and understanding the challenges that come with its manufacturing. Instructors teach design elements and principles, and concept sketching, to create attractive jewelry designs to present to a client prior to building the CAD model. Other topics covered include: important jewelry design eras, understanding and applying motifs to jewelry, and jewelry manufacturing methods. You will receive student licenses for Rhinoceros and ZBrush software, an external hard drive, a 10x loupe, digital calipers and a graphic tablet with pen.

What You Will Learn:

- Use fundamental design concepts, including texture, shape, form, balance, negative space, color and more
- Learn digital hand-rendering using Sketchbook software
- Apply CAD model engineering concepts to make durable and comfortable pieces that are long lasting
- Create, render and prototype designs using CAD software like Rhinoceros and ZBrush, and CAM hardware like a 3D printer
- Understand manufacturing processes for the creation of jewelry, like die-striking and casting
- Design and develop CAD models using the metrics of scale, proportion, and element relationships; and within the constraints of cost, time, size, style and manufacturing methods
- Develop digital and physical portfolios of class projects and custom designs that are ready for presentation to potential clients and employers, and display work in a final design exhibition

What You Earn: GIA Jewelry Design & Technology Diploma

🕈 On Campus

Full-time program offered at GIA® campuses in Carlsbad and New York.

See class schedule beginning on page 24.



See GIA Jewelry Design & Technology students showcase their portfolios at the final design exhibition at GIA.edu/jdtvideo



Ring design and CAD rendering by Jack Hamilton, GIA JDT graduate



Winter 2020

TABLE OF CONTENTS

CERTIFICATE

PAGE 14

JEWELRY DESIGN

Illustrate Your Way to a Promising Future

In this intensive nine-week course, instructors teach the creative and technical hand-rendering skills needed to begin a career as a custom jewelry designer. Jewelry design theory helps students acquire a working knowledge of jewelry artistry. Skills covered include: illustrating the shape, form and texture of metal; working with drafting tools; and rendering yellow and white metals as well as a range of faceted and cabochon gemstones and pearls. Instructors show how to illustrate rings in five different views and how to keep design ideas flowing. At the completion of this course, you will have a hand-developed portfolio of your work and a digital copy to show prospective employers and clients. You will receive a design toolkit, which contains a variety of paints, pencils, brushes, templates, vellum, other art tools and printed course materials.

What You Will Learn:

- Develop sources of inspiration Understand jewelry design
- Learn traditional drafting techniques
 - Develop motifs to create sketches of jewelry objects
- Illustrate the shape, form, and texture of metal

theory and artistry

- Render faceted gems, pearls, colored metals, etc.
- Create a portfolio of class projects and custom designs that is ready for presentation to potential clients and employers

What You Earn: GIA Jewelry Design Certificate

Full-time course offered at GIA campuses worldwide.

See class schedule beginning on page 24.

GIA Jewelry Design graduates often choose these careers:

- Custom Designer
- Jewelry Designer Sales Associate
- Hand Renderer • Jewelry Business Owner

Contact Career Services for more information: careerservices@gia.edu



CERTIFICATE

COMPREHENSIVE CAD/CAM FOR JEWELRY

The Driving Force in Jewelry Design and Manufacturing Technology

This comprehensive seven-week course covers the skills necessary to become a CAD/CAM (Computer-Aided Design/ Computer-Aided Manufacturing) technician. Skills taught include using CAD software to develop models, photorealistic rendering and additive CAM (Computer-Aided Manufacturing) machines, jewelry manufacturing techniques, and jewelry-engineering fundamentals. You will receive a student license for Rhinoceros software and an external hard drive.

What You Will Learn:

- Create CAD models within the metrics of scale, proportion and element relationships
- Distinguish between various CAM technologies including 3D printing
- Develop CAD models within the constraints of cost. time. size. style and manufacturing methods
- Model and render manufacturable pieces of jewelry using CAD

What You Earn: GIA Comprehensive CAD/CAM for Jewelry Certificate

Full-time course offered at GIA® campuses in Carlsbad, New York and London

See class schedule beginning on page 24.

GIA Comprehensive CAD/CAM for Jewelry graduates often choose these careers:

- CAD Service Bureau Technician
- Jewelry CAD Technician

Contact Career Services for more information: careerservices@gia.edu





- - Product Developer

GRADUATE JEWELER

GIA Graduate Jewelers often choose these careers:

Bench Jeweler Business Owner Custom Order Jeweler Jewelry Buyer Jewelry Repair Technician Manufacturing Executive Quality Assurance Specialist Stone Setter

Contact Career Services for more information: careerservices@gia.edu



Create Jewelry with a Confident Hand and an Expert Eye

The GIA Graduate Jeweler diploma program offers a hands-on learning experience in a professional environment that will prepare you for a career as a bench jeweler. The course covers skills valuable for jewelry designers, CAD modelers, and sales professionals. You will make and repair jewelry in a safe and sustainable manner within a clean, modern, well-equipped classroom that includes a laser welder. At your own workbench – equipped with a torch, micromotor, and essential toolkit – you will develop core skills with progressively challenging projects. You will work with gemstones and precious metals, taking projects from castings to finished, set, and polished pieces. You will keep your hand tools and digital course content, which includes technical illustrations, instructional videos and a bench reference guide.

What You Will Learn:

- Use laser-welding technology for gold, silver and platinum
- Develop essential skills, including polishing, filing, texturing, sawing, fabrication and forging techniques, and stone setting and general torch skills
- Set a variety of stone shapes, including princess-cut stones, in mounting styles such as channel setting, bezel setting, and prong setting, in base metals, silver, white gold, yellow gold and platinum
- Perform the most common jewelry repairs, including sizing rings, replacing prongs, repairing broken chains and installing new settings
- Apply both textured and polished finishes to jewelry surfaces on a variety of different metals
- Evaluate and improve workmanship using GIA Quality Assurance Benchmarks

What You Earn: GIA Graduate Jeweler Diploma

💡 On Campus

Full-time program offered at the GIA® campus in Carlsbad.

See class schedule beginning on page 24.



As part of the Graduate Jeweler program, students will complete several jewelry projects including a Halo ring such as the one shown here. This project features an oval center stone in a six-prong setting surrounded by round, precision-cut stones in a halo setting with common prongs. This project is completed in sterling silver and two-tone white and yellow 14k gold.





Please refer to GIA.edu for the most up-to-date schedules, tuition and fees. Unless otherwise noted, all classes are held at GIA® facilities at the address indicated on GIA.edu/locations. GIA reserves the right to reschedule or cancel classes.

ON CAMPUS PROGRAMS

CARLSBAD, CA GIA.edu

GEMOLOGY

GEM 2500 Graduate Gemologist®

Jan 16-Jul 31 Feb 20-Sep 4 Apr 2-Oct 15 May 7-Nov 20 May 28-Dec 18 Jul 16, 2020-Feb 19, 2021 Sep 24, 2020-Apr 30, 2021 Oct 15, 2020-May 21, 2021

GEM 2200 Graduate Diamonds

Jan 16-Mar 13* Feb 20-Apr 17* Apr 2-May 29* May 7-Jul 2* May 28-Jul 24* Jul 16-Sep 11* Sep 24-Nov 20* Oct 15-Dec 18*

GEM 2300 Graduate Colored Stones

Jan 2-May 22* Mar 12-July 31* Apr 16-Sep 4* May 28-Oct 15* Jul 2-Nov 20* Jul 23-Dec 18* Sep 10, 2020-Feb 19, 2021* Nov 19, 2020-Apr 30, 2021*

JEWELRY MANUFACTURING ARTS

JMA 3400 Jewelry Design & Technology

Feb 13-Aug 21 Jun 4-Dec 18 Sep 24, 2020-Apr 23, 2021

JMA 3300 Graduate Jeweler

Feb 20-Aug 28 May 28-Dec 11 Oct 8, 2020-May 7, 2021

JMA 370 Jewelry Design

Mar 19-May 22 Sep 17-Nov 20

JMA 400 Comprehensive CAD/CAM

for Jewelry

Jan 16-Mar 6 Jun 25-Aug 14

NEW YORK, NY NewYork.GIA.edu

GEMOLOGY GEM 2500 Graduate Gemologist®

Jan 9-Jul 24 Apr 2-Oct 16 May 28-Dec 18 Jun 25, 2020-Jan 29, 2021 Aug 20, 2020-Mar 26, 2021 Oct 15, 2020-May 21, 2021

GEM 2200 Graduate Diamonds

Jan 9-Mar 6* Mar 12-May 8 Apr 2-May 29* May 28-Jul 24* Jul 23-Sep 18 Aug 20-Oct 16* Sep 24-Nov 20 Oct 15-Dec 18*

GEM 2300 Graduate Colored Stones

Jan 3-May 22* Mar 6-Jul 24* May 29-Oct 16* Jul 24-Dec 18* Aug 21, 2020-Jan 29, 2021* Oct 16, 2020-Mar 26, 2021*

JEWELRY MANUFACTURING ARTS JMA 3400 Jewelry Design

& Technology

Apr 9-Oct 16

JMA 370 Jewelry Design

Jan 23-Mar 27 Jul 23-Sep 25

JMA 400 Comprehensive CAD/CAM

for Jewelry Apr 30-Jun 19 Oct 22-Dec 18

LAB CLASSES AND PROFESSIONAL DEVELOPMENT

CARLSBAD, CA GIA.edu

GEMOLOGY GEM 220L Colored Stone Grading

Feb 3-5 Mar 30-Apr 1 May 18-20 Jun 22-24 Sep 28-30 Nov 9-11

GEM 230L Diamond Grading

Jan 20-24 Mar 16-20 Apr 6-10 May 4-8 Jun 8-12 Sep 14-18 Oct 26-30 Nov 16-20

GEM 240L Gem Identification

Jan 27-31 Mar 23-27 May 11-15 Jun 15-19 Sep 21-25 Nov 2-6

GEM 149L Pearl Grading

Feb 6 Apr 2 May 21 Jun 25 Oct 1 Nov 12

PROFESSIONAL DEVELOPMENT**

Advanced Synthetic Diamond Seminar

Dates to be announced

JMA 320L Repair and Setting Lab

Sep 14-18

Jewelry Forensics Seminar

Dates to be announced

*Dates offered on a standby basis. You will be placed on a wait list until 30 days prior to the start of your program or class when GIA can confirm availability. Contact the campus for additional information and details

*GIA's professional development offerings are considered avocational

or recreational in nature and are not intended to prepare individuals

non-credit bearing and do not lead

to a GIA academic credential. They are not eligible for state or federal

student financial aid programs and

Accrediting Commission of Career Schools and Colleges (ACCSC) or

the Distance Education Accrediting

Commission (DEAC)

do not fall under the approval of the

for entry-level employment. They are

NEW YORK, NY NewYork.GIA.edu

GEM 220L Colored Stone Grading

Jan 27-29 Apr 20-22 May 18-20 Jun 22-24 Jul 20-28 (N) (M, Tu, W, Th) Aug 17-19 Oct 26-28 Nov 9-17 (N) (M, Tu, W, Th) Dec 14-16

GEM 230L Diamond Grading

Jan 13-17 Feb 24-28 Feb 24-Mar 10 (N) (M, Tu, W, Th) Mar 30-Apr 3 May 4-8 Jun 8-12 Jul 6-10 Jul 27-31 Aug 17-Sep 1 (N) (M, Tu, W, Th) Aug 24-28 Oct 5-9 Nov 2-6 Nov 30-Dec 4

GEM 240L Gem Identification

Jan 20-24 Mar 2-6 Apr 13-17 Apr 27-May 12 (N) (M, Tu, W, Th) May 11-15 Jun 15-19 Aug 10-14 Sep 21-Oct 6 (N) (M, Tu, W, Th) Oct 19-23 Dec 7-11

GEM 149L Pearl Grading

Jan 30 Apr 23 May 21 Jun 25 Jun 29-30 (N) (M, Tu) Aug 20 Oct 29 Dec 17

PROFESSIONAL DEVELOPMENT**

Advanced Synthetic Diamond Seminar

Jun 15-16 Oct 12-13

(N) = Nighttime;
 (S) = Saturday; (Su) = Sunday;
 (H) = Course includes both
 on-campus and self-paced study

CLASS HOURS

Monday – Friday Day Classes

Schedules may vary depending on holidays, breaks or other events. For more details: Carlsbad: GIA.edu/carlsbad-class-duration-hours or contact admissions@gia.edu New York: GIA.edu/new-york-class-duration-hours or contact nyadmissions@gia.edu

Night and Weekend Classes

New York:

Monday – Thursday: On campus: 6:00 p.m. – 9:30 p.m. • Saturday: 8:00 a.m. – 4:00 p.m.

U.S. SEMINARS

LAS VEGAS, NV

Learn about lab classes and seminars offered through the American Gem Society. Call +1 866 805 6500, option 4 or email AGSeducation@ags.org

2020 dates and topics to be announced.

LAS VEGAS, NV

2020 seminars offered during the JCK show to be announced.

TUCSON, AZ

Seminars offered during AGTA show.

Identifying Laboratory-Grown Diamond

Feb 7, 1:00-3:00 p.m. \$225

Non-Transparent Gemstones

Feb 8, 9:00-11:00 a.m. \$225

Colored Stone Treatments

Feb 8, 1:00-3:00 p.m. \$225

Classes are held at the Tucson Convention Center 260 South Church Tucson, AZ 86701 **ON CAMPUS PROGRAMS**

BANGKOK Bangkok.GIA.edu

GEMOLOGY

GEM 2500 Graduate Gemologist® May 28-Dec 11

GEM 2200 Graduate Diamonds

Feb 13-Apr 10 May 28-Jul 24*

GEM 2300 Graduate Colored Stones

Jan 9-May 29* Jul 23-Dec 11*

JEWELRY MANUFACTURING ARTS JMA 370 Jewelry Design

Feb 27-Apr 30 Jun 4-Aug 7

HONG KONG GIAhongkong.com

GEMOLOGY

GEM 2500 Graduate Gemologist®

May 21-Dec 18 Oct 22, 2020-Jun 18, 2021

GEM 2200 Graduate Diamonds

Jan 2-Mar 13 Jan 7-Mar 19 (Cantonese) (M, Tu, Th) (H) Mar 9-May 12 (Cantonese) (M, Tu, Th) (H) May 14-Jul 14 (Cantonese) (M, Tu, Th) (H) May 21-Jul 17* May 26-Aug 27 (Cantonese) (M, Tu, Th) (H) Jul 16-Sep 14 (M, Tu, Th) (H) Oct 8-Dec 8 (Cantonese) (M, Tu, Th) (H) Oct 22-Dec 18*

GEM 2300 Graduate Colored Stones

Jan 2-Jun 19* Jan 6-Jun 18 (Cantonese) (M, Tu, Th) (H)) Jul 11-Nov 17 (Cantonese) (M, Tu, Th) (H) Jul 16-Dec 18*

JEWELRY MANUFACTURING ARTS

JMA 370 Jewelry Design

Mar 12-May 22 Jul 30-Oct 9 <mark>(Cantonese)</mark>

LONDON London.GIA.edu

GEMOLOGY

GEM 2500 Graduate Gemologist®

Feb 13-Aug 28 Jun 4-Dec 18 Sep 3, 2020-Apr 2, 2021 Oct 22, 2020-May 21, 2021

GEM 2200 Graduate Diamonds

Feb 13-Apr 10* Mar 12-May 8 Jun 4-Jul 31* Jun 18-Aug 14 Sep 3, 2020-Oct 30* Oct 22, 2020-Dec 18*

GEM 2300 Graduate Colored Stones

Apr 9-Aug 28* Jul 30-Dec 18* Oct 29-Apr 2, 2021* Dec 17-May 21, 2021*

JEWELRY MANUFACTURING ARTS

JMA 370 Jewelry Design Mar 19-May 22

Aug 20-Oct 23

JMA 400 Comprehensive CAD/CAM for Jewelry

Jan 16-Mar 6 Jun 11-Jul 31 Oct 29-Dec 18

MUMBAI GIAindia.in

GEMOLOGY

GEM 2500 Graduate Gemologist®

Jan 9-Jul 24 Mar 26-Oct 9 May 14-Dec 4 Jul 30, 2020-Feb 19, 2021

GEM 2200 Graduate Diamonds

Jan 9-Mar 6* Jan 30-Mar 27 Feb 27-Apr 24 Mar 26-May 22* Apr 9-Jun 5 May 14-Jul 10* Jun 18-Aug 14 Jul 30-Sep 25* Sep 3-Oct 30 Oct 15-Dec 18 Dec 3, 2020-Jan 29, 2021

GEM 2300 Graduate Colored Stones

Mar 5-Jul 24* May 21-Oct 9* Jul 9-Dec 4* Sep 24, 2020-Feb 19, 2021*

JEWELRY MANUFACTURING ARTS JMA 370 Jewelry Design

Feb 13-Apr 17 May 7-Jul 10 Aug 27-Oct 30 Nov 26, 2020-Jan 29, 2021

NEW DELHI GIAindia.in

GEMOLOGY

GEM 2200 Graduate Diamonds

Feb 13-Apr 10 Aug 6-Oct 2 Nov 19, 2020-Jan 15, 2021

(N) = Nighttime; (S) = Saturday; (Su) = Sunday; (H) = Course includes both on-campus and self-paced study

Class schedules may vary depending on holidays and breaks. Please refer to GIA.edu for the most up-to-date schedules.

*Dates offered on a standby basis. You will be placed on a wait list until 30 days prior to the start of your program or class when GIA can confirm availability. Contact the campus for additional information and details.

ON CAMPUS PROGRAMS (continued)

SHANGHAI GIAtaiwan.com.tw

GEMOLOGY

GEM 2500 Graduate Gemologist® Feb 21-Sep 4 (Chinese) Jul 3, 2020-Jan 29, 2021 (Chinese)

GEM 2200 Graduate Diamonds

Feb 21-Apr 17* (Chinese) Jul 3-Aug 28* (Chinese) Jul 4-Sep 13 (Chinese) (S, Su) (H) Oct 31, 2020-Jan 16, 2021 (Chinese) (S) (H)

GEM 2300 Graduate Colored Stones

Feb 29-Oct 24 (Chinese) (H) Apr 17-Sep 4* (Chinese) Aug 28, 2020-Jan 29, 2021* (Chinese)

JEWELRY MANUFACTURING ARTS JMA 370 Jewelry Design

Apr 10-Jun 12 (Chinese) Nov 6, 2020-Jan 8, 2021 (Chinese)

SHENZHEN GIAtaiwan.com.tv

GEMOLOGY GEM 2200 Graduate Diamonds

Feb 7-Apr 3 (Chinese) May 9-Jun 14 (Chinese) (S, Su) (H) Oct 16-Dec 11 (Chinese) Oct 17-Dec 20 (Chinese) (S, Su) (H)

JEWELRY MANUFACTURING ARTS JMA 370 Jewelry Design

Jun 19-Aug 21 (Chinese)

SURAT GIAindia.in

GEMOLOGY

GEM 2200 Graduate Diamonds Jan 16-Mar 13 Apr 30-Jun 26 Aug 27-Oct 23

TAIPEI GIAtaiwan.com.tw

GEMOLOGY GEM 2500 Graduate Gemologist®

Mar 13-Sep 25 (Chinese) Jul 3, 2020-Jan 15, 2021 (Chinese) Oct 30, 2020-Jun 4, 2021 (Chinese)

GEM 2200 Graduate Diamonds

Mar 13-May 8* (Chinese) Mar 13-May 11 (Chinese) (N) (H) May 23-Aug 8 (Chinese) (S) (H) Jul 3-Aug 28* (Chinese) Aug 7-Oct 5 (Chinese) (N) (H) Oct 16-Dec 26 (Chinese) (S) (H) Oct 30-Dec 25* (Chinese)

GEM 2300 Graduate Colored Stones

Jan 3-Jun 5* (Chinese) May 8-Sep 25* (Chinese) Aug 28, 2020-Jan 15, 2021* (Chinese) Dec 25, 2020-Jun 4, 2021* (Chinese)

JEWELRY MANUFACTURING ARTS JMA 370 Jewelry Design

Jan 31-Apr 3 Aug 28-Oct 30 LAB CLASSES AND PROFESSIONAL DEVELOPMENT

BANGKOK Bangkok.GIA.edu

GEMOLOGY

GEM 220L Colored Stone Grading Jan 27-29 Jun 29-Jul 1 Oct 5-7

GEM 230L Diamond Grading

Jan 13-17 Jun 15-19 Sep 21-25

GEM 240L Gem Identification

Jan 20-24 Jun 22-26 Sep 28-Oct 2

GEM 149L Pearl Grading

Jan 30 Jul 2 Oct 8

Applied Jewelry Professional® (Intensive)

Feb 3-7 May 11-15 Nov 9-13

BIRMINGHAM London.GIA.edu

GEMOLOGY

GEM 220L Colored Stone Grading

Jul 20-22 Sep 21-23 Nov 23-25

GEM 230L Diamond Grading

Jul 13-17 Jul 27-31 Sep 14-18 Sep 28-Oct 2 Nov 16-20 Nov 30-Dec 4

GEM 149L Pearl Grading

Jul 23 Sep 24 Nov 26



Rough and polished Emerald Courtesy: (emerald rough) Roz & Gene Meieran

STUDENT WORKROOM

GIA Student Workrooms give you access to all the equipment and gemstones you need to complete the practical requirements of your Gem Identification course through eLearning.

Please contact the campus directly to schedule a workroom.

For information and availability of student workrooms please visit GIA.edu/gem-education/student-workroom

**GIA's professional development offerings are considered avocational or recreational in nature and are not intended to prepare individuals for entry-level employment. They are non-credit bearing and do not lead to a GIA academic credential. They are not eligible for state or federal student financial aid programs and do not fall under the approval of the Accrediting Commission of Career Schools and Colleges (ACCSC) or the Distance Education Accrediting Commission (DEAC).

LAB CLASSES AND PROFESSIONAL DEVELOPMENT (continued)

HONG KONG GIAhongkong.com

GEMOLOGY

GEM 220L Colored Stone Grading

Jan 6-20 (N) (M, Tu, Th) Aug 31-Sep 2 Nov 23-25 (Mandarin)

GEM 230L Diamond Grading

Feb 24-28 Apr 20-24 (Mandarin) Aug 3-27 (Cantonese) (N) (M, Tu, Th) Sep 21-25 Dec 7-11 (Mandarin)

GEM 240L Gem Identification

Feb 3-27 (N) (M, Tu, Th) Sep 7-11 Nov 30-Dec 4 (Mandarin)

GEM 149L Pearl Grading

Jun 22 Jun 17 and 19 (Cantonese) (N) (M, Tu) Sep 3 Oct 28 and 30 (Cantonese) (N) (W, F)

LONDON London.GIA.edu

GEMOLOGY **GEM 220L Colored Stone Grading**

Jan 20-22 May 26-28

GEM 230L Diamond Grading Jan 27-31

Jun 1-5 Aug 24-28

GEM 240L Gem Identification

F

| Feb 3-7 | |
|----------|--|
| Jun 8-12 | |
| Sep 7-11 | |

GEM 149L Pearl Grading

Jan 23 May 29

PROFESSIONAL DEVELOPMENT**

Advanced Synthetic Diamond Seminar

Sep 3-4



GEM 230L Diamond Grading Jan 13-17 Feb 10-14

MUMBAI GIAindia.in

GEM 220L Colored Stone Grading

GEMOLOGY

Jan 27-29

May 11-13

Dec 28-30

Aug 31-Sep 2

Mar 16-20 Mar 30-Apr 3 Apr 27-May 1 Jun 8-12 Jul 27-31 Aug 17-21 Oct 12-16 Nov 2-6 Dec 21-25

GEM 240L Gem Identification

Jan 20-24 May 4-8 Aug 24-28

GEM 140L Pearl Grading

Jan 30 May 14 Sep 3 Dec 31

Applied Jewelry Professional® (Intensive)

Feb 3-7 Apr 6-10 Jun 15-19 Nov 23-27

PROFESSIONAL DEVELOPMENT**

SWIFT Jewellery Design

Apr 20-24 Aug 17-21 Nov 23-27

NEW DELHI GIAindia.in

GEMOLOGY

GEM 220L Colored Stone Grading

Apr 20-22 Oct 12-14

GEM 230L Diamond Grading

Feb 3-7 Apr 13-17 Jun 1-5 Jul 13-17 Oct 5-9

Applied Jewelry Professional® (Intensive)

Jul 27-31

PROFESSIONAL DEVELOPMENT**

SWIFT Jewellery Design

Apr 27-May 1 Aug 3-7 Nov 2-6

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Polished Spinel Courtesy: Nomad's Co. Rough Spinel Courtesy: William F. Larson

ATTENDING A GIA CAMPUS OUTSIDE THE UNITED STATES

To register in a program or lab class at a GIA® location outside the U.S., contact the respective campus directly.

GIA program and lab class curricula are standard worldwide, but schedules and specific offerings may vary by location.

To enroll in Distance Education courses where materials are written in English, submit your application to GIA in Carlsbad. To enroll in a Distance Education course where materials are written in any other language, please contact the respective GIA campus.

Learn more about GIA campuses and education locations at GIA.edu/gem-education/campuses

LAB CLASSES AND PROFESSIONAL DEVELOPMENT (continued)

SHANGHAI GIAtaiwan.com.tw

GEMOLOGY

GEM 220L Colored Stone Grading

Mar 8-10 (Chinese) (Su, M, Tu) Jul 5-7 (Chinese) (Su. M. Tu) Nov 1-3 (Chinese) (Su, M, Tu)

GEM 230L Diamond Grading

Mar 2-6 (Chinese) Jun 29-Jul 3 (Chinese) Oct 26-30 (Chinese)

GEM 240L Gem Identification

Mar 12-16 (Chinese) (Th-M) Jul 9-13 (Chinese) (Th-M) Nov 5-9 (Chinese) (Th-M)

GEM 149L Pearl Grading

May 26 May 27

SHENZHEN GIAtaiwan.com.tw

GEMOLOGY **GEM 220L Colored Stone Grading**

Aug 30-Sep 1 (Chinese) (Su, M, Tu)

GEM 230L Diamond Grading May 4-8 (Chinese) Aug 24-28 (Chinese) Dec 14-18 (Chinese)

GEM 240L Gem Identification

Sep 3-7 (Chinese) (Th-M)

SURAT GIAindia.in

GEMOLOGY

GEM 220L Colored Stone Grading Jul 20-22

Dec 7-9

GEM 230L Diamond Grading

Jan 13-17 Mar 23-27 Jun 29-Jul 3 Aug 24-28 Oct 26-30 Nov 30-Dec 4

Applied Jewelry Professional® (Intensive) Apr 20-24

PROFESSIONAL DEVELOPMENT**

SWIFT Jewellery Design

Jul 13-17



GEMOLOGY

GEM 220L Colored Stone Grading

Feb 24-26 (Chinese) (M, Tu, W) Jun 22-24 (Chinese) (M. Tu. W) Oct 26-28 (Chinese) (M, Tu, W)

GEM 230L Diamond Grading

Feb 10-14 (Chinese) Mar 16-Apr 10 (Chinese) (N) (M, W, F) May 30-Jun 27 (Chinese) (S) Jun 8-12 (Chinese) Aug 10-Sep 4 (Chinese) (N) (M, W, F) Oct 12-16 (Chinese) Oct 17-Nov 14 (Chinese) (S)

GEM 240L Gem Identification

Feb 17-21 (Chinese) Jun 15-19 (Chinese) Oct 19-23 (Chinese)

GEM 149L Pearl Grading

May 23 (Chinese) (S) Oct 17 (Chinese) (S)

Applied Jewelry Professional® (Intensive)

Mar 2-13 (Chinese) Jul 20-31 (Chinese)



Lapis Lazuli

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(N) = Nighttime; (S) = Saturday; (H) = Course includes both on-campus and self-paced study

Class schedules may vary depending on holidays and breaks. Please refer to GIA.edu for the most up-to-date schedules.

*Dates offered on a standby basis. You will be placed on a wait list until 30 days prior to the start of your program or class when GIA can confirm availability. Contact the campus for additional information and details.

STUDENT WORKROOM



Career-focused lecture events offer GIA students an opportunity to learn about the industry from industry leaders, GIA graduates, instructors and more.

Sharing Insights From Industry Professionals

With GIA, you have access to an array of career support services as well as diverse opportunities to develop your professional network. Many GIA campuses offer industryrelated talks and panel discussions that give insight into the careers available to GIA graduates. Meet and ask questions of recent graduates, instructors, professionals and leaders from throughout the industry.

Until recently, these events were only available to on-campus students or campus visitors. Starting in 2019, some of these events held at the GIA World Headquarters in Carlsbad, California were broadcasted via Facebook Live, allowing viewers to watch and comment in real time. For those who can't attend a live stream event or would like to re-watch an available event, many of these videos are available on GIA's official YouTube channel. Recently live-streamed panels at GIA in Carlsbad, include:

- Marketing 101 for Jewelers
- Success Tips from Recent Grads Panel
- Network Your Way to Success: Tips from AGS Members
- Opening panel "Job Success in Today's Market" from 2019 GIA Jewelry Career Fair
- "Creative Careers" panel from 2019 GIA Jewelry Career Fair
- Career Journeys: Insights from GIA Instructors

Recent panels offered at GIA in New York (not live streamed):

- Life After Student Status: Immigration Employment
- The Jewelry Industry: A Millennial's Experience
- Key Steps Toward Your Jewelry Career



Follow the GIA Education Facebook page at **facebook.com/giaeducation** to receive notifications of upcoming events Subscribe to **youtube.com/officialgiachannel** to receive notifications of new video posts and to view existing videos.

YouTube

Gemological Institute of America® The Robert Mouawad Campus 5345 Armada Drive Carlsbad, CA 92008



Career Opportunities

Coaching and Networking

• Industry Insights

careerfair.GIA.edu



SCHOLARSHIPS

ANNUAL APPLICATION PERIODS February 1 to March 31 • August 1 to September 30

GIA.edu/scholarships



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