

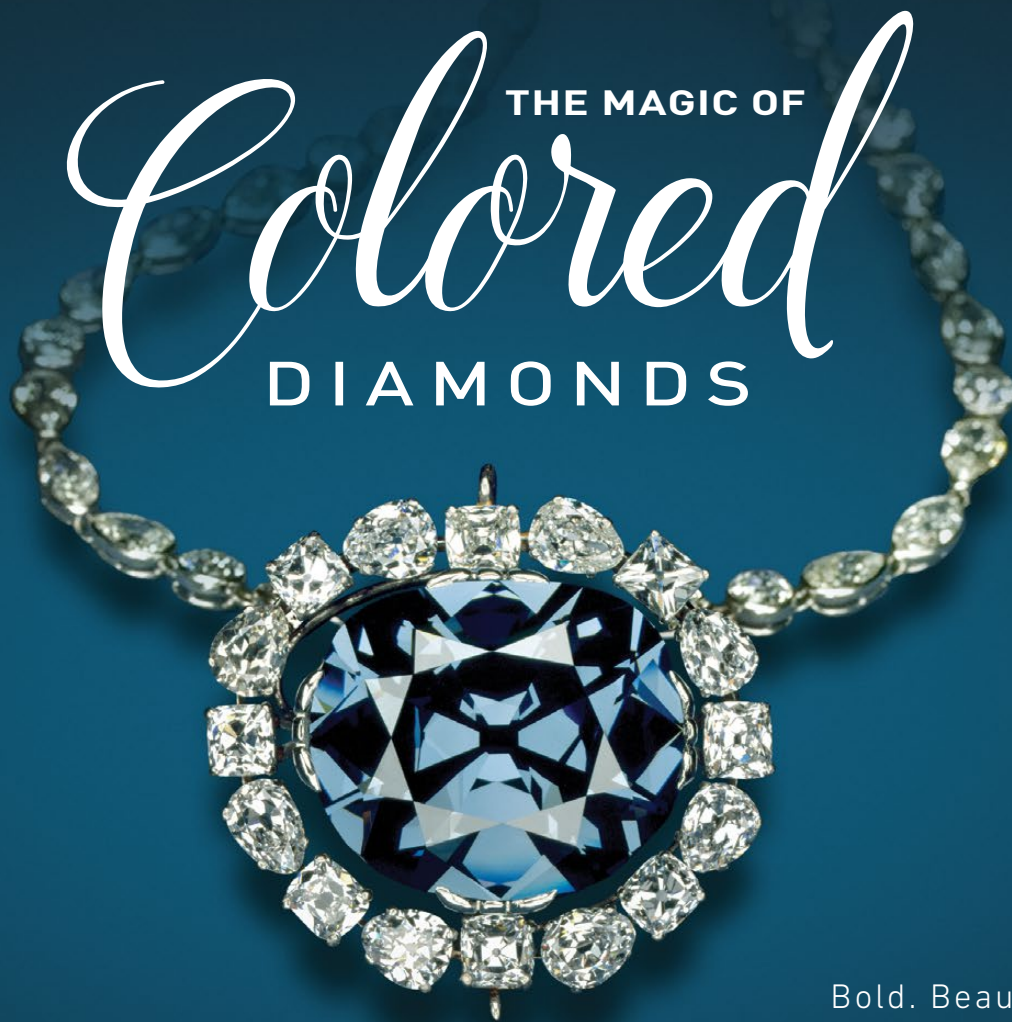


GIA®

WINTER 2018

EDUCATION

Quarterly



THE MAGIC OF

Colored

DIAMONDS

Bold. Beautiful. Beloved.
BIRTHSTONES
PULLOUT REFERENCE GUIDE

2018 Worldwide Class Schedule

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Cover: The Hope Diamond, a 45.52 ct Fancy Deep grayish blue diamond, is perhaps the most famous gem in the world. GIA researchers examined it in 1988. *Photo: Chip Clark, courtesy of Smithsonian Institution.*

Learn more about colored diamonds on page 6.

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Alumni Profile:
 Manuel Diaz



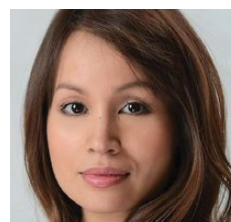
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The Magic of
 Colored Diamonds



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Birthstones:
 Bold. Beautiful. Beloved.



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Alumni Profile:
 Christina Fandino

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's accreditation is institutional in nature and includes GIA's U.S. On Campus education only. GIA's Distance Education courses and lab classes do not fall within the purview of GIA's institutional accreditation by the ACCSC.



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, gainful employment and other information, visit GIA.edu/student-consumer-information

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GRADUATE GEMOLOGIST®

GIA® Graduate Gemologists 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

The Most Coveted Credential in the Gem and Jewelry Industry

The GIA Graduate Gemologist® 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 synthetic 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, pinpoint incandescent light source, a refractometer with polarizing filter and removable magnifying eyepiece, refractive index (RI) liquid, 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 (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 20*.

💻 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).

Five eLearning courses

- Diamond Essentials
- Diamonds & Diamond Grading
- Colored Stone Essentials
- Colored Stones
- Gem Identification

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 20*.

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



Learn more at GIA.edu/GG

Manuel Diaz

Marine Corps Leader to Gem Explorer

Whether exploring Malagasy jungles or San Diego County riverbeds, retired Master Gunnery Sergeant Manuel “Manny” Diaz likes to say he’s “living the dream.” After retiring from the United States Marine Corps in 2014 with more than 30 years of service and 20 deployments, Manuel pursued his decades-long goal of earning a Graduate Gemologist® (GG) diploma from GIA® in Carlsbad. He now works as an independent field gemologist, and every day provides a new adventure.



Addressing the crowd at his 2014 retirement ceremony at the Marine Corps Base Camp Pendleton in California.

The Introduction That Changed Everything

During “R&R” on my first overseas assignment, I met an Australian opal broker. He introduced me to the mine to market concept, and to many people along that journey. I was befriended worldwide by brokers, miners, cutters, jewelers and even pearl divers for the Bahrain royal pearl beds.

GIA Tools on the Job

The GIA color hue wheel and three-dimension color model surprised me in how relevant they have been in the field. Being able to describe color in such a clear manner is helpful both for color grading and for explaining color to people who are looking for a gem with a particular hue or saturation.

Always Prepared

I travel prepared. As a deployed Marine, I gained experience and knowledge that you can’t get anywhere else, so when I joined a “ruby rush” expedition, I was familiar with the conditions. It wasn’t my first visit to Madagascar, and I had a huge amount of experience in jungle environments.

Importance of Community

As a Marine, you learn that it’s all about those people who are with you. For me, field gemology is about the people I come in contact with. Finding the gem is key, but finding it with those around you – that’s the reason for me being there.



Evaluating rough at a gem market at Yen The, Luc Yen, Yen Bai, Vietnam.

Manuel Diaz, GIA GG Field Gemologist

Fun Facts:

Favorite Book: *The Book of Moroni*

Favorite Movie: *The Dark Knight*

Favorite TV Show: *Star Trek*

Favorite Band: Journey

Favorite Gemstone: Demantoid garnet

Every Day Is Different

Last year, I worked in Mozambique, a country in the pre-development stage of harnessing great resource opportunities. This year, I conducted market research studies for a private mining company, then spent the summer volunteering as a docent for the local gem and mineral society. I also teach junior and senior high school science students about the geological development of minerals.

Helping Marines Find Their Way to GIA

Using the G.I. Bill for my GIA education was a great resource and comfort for me – that is priceless. Since then, I’ve brought a few other Marines to GIA, including my brother, Ramon, also a retired Master Gunnery Sergeant and 30-year veteran. Ramon graduated in 2015 with a Graduate Jeweler diploma and in 2016 with a Jewelry Design & Technology diploma.



Follow Manuel’s journey from the Marine Corps to field gemologist at [GIA.edu/manuel-diaz](https://www.gia.edu/manuel-diaz)

THE MAGIC OF Colored DIAMONDS

Seen in practically every color of the rainbow, colored diamonds are far rarer than diamonds in the D-to-Z color range. Only one out of 10,000 carats of fashioned diamonds displays fancy color, and a diamond's chances of displaying intense color are even less – one in 25,000. Browns and yellows are the most common fancy colors. Red, green, purple and orange are the most rare.

GIA® issued its first origin-of-color reports for colored diamonds in 1956. Backed by decades of research and examination of thousands of colored diamonds, the GIA Colored Diamond Grading System has become the standard for evaluating these extremely rare gems. Current GIA Colored Diamond Grading Reports describe color grades using these terms: Faint, Very Light, Light, Fancy Light, Fancy, Fancy Dark, Fancy Intense, Fancy Deep and Fancy Vivid. Virtually every colored diamond sold at major auction houses has been graded by GIA.

“The GIA Colored Diamond Grading System allows a much more detailed description of diamond color than what had been available under the previous grading system. This has greatly facilitated trading of such stones worldwide, particularly as new sources expanded the quantities of stones in the market and the range of colors,” observed Russ Shor, senior industry analyst at GIA.



GIA Colored Diamond Reports for natural diamonds provide color grade and color origin (natural vs. treated color), clarity, carat weight, and additional information. Learn more at GIA.edu/colored-diamond-grading

Colored diamonds are in the spotlight. They're routinely breaking records at auction houses. They make headlines when set in celebrity engagement rings. And they're gemological marvels of the rarest order.



Pink

GIA researchers theorize that the color in many pink diamonds is caused by color centers that can selectively absorb light in the visible region of the spectrum. Color centers are the result of lattice defects, or imperfections in the arrangement of atoms in a crystal. These defects can sometimes cause pink graining in the diamond crystal (this is not the case of the Pink Star shown to the left). The GIA-graded 59.60 carat (ct) Pink Star diamond sold for \$71 million at the April 4, 2017 Sotheby's auction in Hong Kong.

Courtesy: Sotheby's

Most naturally colored black diamonds get their color from large quantities or clouds of minute mineral inclusions such as graphite, pyrite or hematite that extend throughout the stone. These diamonds may also have numerous cleavages or fractures that are stained black or have become black because of graphitization. Concentrations of these internal features are responsible for the coloration. However, the actual body color of a natural black diamond may range from near-colorless to brown or “olive” green. Shown right: The bewitchingly beautiful 67.5 ct Black Orloff.



Black

Diamond images are not shown to scale



Yellow

The presence of nitrogen causes a diamond to appear yellow. The intensity of the yellow color is dependent upon varying amounts of nitrogen. Yellow diamonds are considered to be a colored diamond and graded as "Fancy" when they fall outside the D-to-Z range (colorless to light-yellow). A Fancy Intense yellow cushion-cut diamond weighing 54.29 ct is the star in this necklace, while another 67.10 total carat weight of diamonds create a sublime contrast (left). *Courtesy: Chatila*



Red

Only a handful of red diamonds larger than 5 carats have been found. Red diamonds are so rare that from 1957 to 1987 GIA did not issue a lab report for a diamond with "red" as the only descriptive term. "Predominantly red" means that red is the primary color with no secondary hues (like purple). GIA researchers, who have been studying diamonds for decades and have access to the most sophisticated equipment, are still not sure what causes their color. Shown left: The Fancy red 5.11 ct Moussaieff Red.

The presence of boron impurities is often responsible for the color of natural blue diamonds; the more boron, the deeper the blue. However, their color can also be caused by radiation exposure or associated with hydrogen. India was historically the source for blue diamonds. Within the last several years, notable blue diamonds have been found at the Cullinan Mine in South Africa. The Hope Diamond, a 45.52 ct Fancy Deep grayish blue diamond, is one of the most famous gems in the world. GIA researchers examined it in 1988 (right).



Blue

Photo: Chip Clark, courtesy of Smithsonian Institution

Green diamonds get their color when radiation displaces carbon atoms from their normal positions in the crystal structure. This can happen naturally when diamond deposits lie near radioactive rocks, or artificially as a result of treatment by irradiation. Naturally colored green diamonds are extremely rare. Because of their rarity and the very real possibility of treatment, green diamonds are always regarded with suspicion and examined carefully in gemological laboratories. Even so, advanced gemological testing can't always determine color origin in green diamonds. Examined by GIA Researchers in 1988, the 41 ct Dresden Green diamond is the largest, and perhaps the finest, green diamond known to have a color of natural origin (right).



Green



Become a part of the world of colored diamonds by earning the Graduate Diamonds diploma. Learn more at GIA.edu/GD

You Should Know

In recent years, gem-quality synthetic colored diamonds have come to market. New Diamond Technology made a 10.08 ct diamond with a color grade equivalent to Fancy Deep blue, which GIA examined in September 2016. GIA also offers Synthetic Colored Diamond Grading Reports for synthetic colored diamonds.



GRADUATE DIAMONDS

GIA® Graduate Diamonds graduates often choose these careers:

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

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

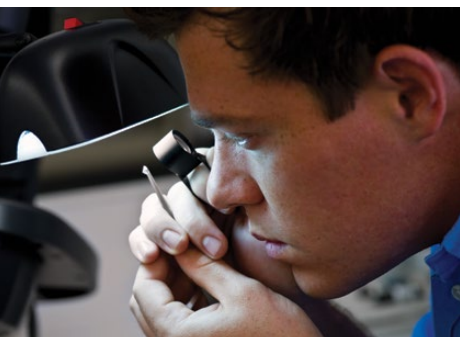
The Tremendous, Treasured and Timeless Diamond

The 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 – 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, synthetic diamonds and diamond simulants. Other topics covered include the effect of fluorescence on diamond body color, 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 (color, clarity, cut and carat weight); appreciate how they affect diamond value
- Grade diamonds in the D-to-Z color range
- Detect diamond synthetics, treatments and simulants
- 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 20.

💻 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

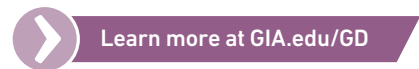
- Diamond Essentials
- Diamonds & Diamond Grading

One lab class

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

See class schedule beginning on page 20.

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



Diamond octahedron in kimberlite. Courtesy: Bill Larson.



GRADUATE COLORED STONES

GIA® Graduate Colored Stones graduates often choose these careers:

- Appraiser
- Auction House Jewelry Specialist
- Colored Stone Buyer
- Estate Jewelry Dealer
- Jewelry Business Owner
- Jewelry Buyer
- Pawnbroker
- Retailer
- Wholesaler

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



Countless Colors, Limitless Possibilities

The 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 synthetic 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 keep 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 manual 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 20.

💻 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
- Gem Identification
- Colored Stones

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 20.

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



Top: Mozambique ruby. Courtesy: Evan Caplan.
Center and bottom: Aquamarine and tourmaline.
Courtesy: Dr. E. J. Gübelin Collection.

Learn more at GIA.edu/GCS



Kickstart Your Career With a GIA® Scholarship

GIA IS OFFERING \$2 MILLION IN SCHOLARSHIPS FOR 2018

GIA LOCATIONS: CARLSBAD, NEW YORK, BANGKOK, DUBAI, HONG KONG, LONDON, MUMBAI AND TAIPEI*

ONE APPLICATION

Gets you considered for all appropriate scholarships and you can reapply every year.



ON-CAMPUS GEMOLOGY

Scholarships Available for all GIA Education Courses



ON-CAMPUS JEWELRY MANUFACTURING ARTS



DISTANCE EDUCATION



LAB CLASSES



WHEN TO APPLY

June to December 2018 Enrollments

Apply February 1 through March 31, 2018

2019 Enrollments

Apply August 1 through September 30, 2018

TIPS FOR COMPLETING A SUCCESSFUL APPLICATION



FAN MAIL

Letters of Recommendation

Know a boss, co-worker or client who thinks the world of you? Ask him/her to tell us about the qualities that make you so special – and why you deserve a GIA scholarship.

A teacher, a member of the clergy, someone from a community organization you belong to can also write a recommendation for you. Sorry – no friends or family.

Writing a letter of recommendation takes time and forethought. Your letter should be written recently, but be sure to give the writer sufficient time.



TIPS FOR YOUR ESSAY QUESTIONS

- We want to know why gemology or jewelry manufacturing arts fires your spirit.
- Tell us how a GIA scholarship will help you reach your professional goals.
- Share with us your past achievements and how you can contribute to the gem and jewelry industry.

Before you start the application, organize and prepare your thoughts. Write a sentence or two about topics like these.

Share your story with us. We're eager to read it.

???
QUESTIONS?
We're here to help. Just email us at scholarship@gia.edu



"I urge any prospective student who contemplates applying for a scholarship to do so. It was a minimal amount of time and work compared to the opportunities, both financially and professionally, I have received."

Natalie Tjaden, GIA GG Merchandising Assistant Jewelry Television (JTV)

Get all the details and find out if there's a scholarship waiting for you at GIA.edu/scholarships

*All applicants are eligible to apply for a distance education scholarship. U.S. citizens and U.S. permanent residents are eligible to apply for any on-campus scholarship for campuses in the U.S. Non U.S. citizens with country of residence outside the U.S. are eligible to apply for scholarships at GIA locations outside of the U.S.



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



The Front Line of the Jewelry Industry

The Applied Jewelry Professional™ (AJP™) 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 value 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 (clarity, color, cut and carat weight) affect a diamond's value
- Recognize the relationship between size and weight of diamonds
- Explain the differences between treated, synthetic 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



Learn more at GIA.edu/AJP



Courtesy: Cathy Jonathan.



GIA®

Birthstones

BOLD.
BEAUTIFUL.
BELOVED.

JANUARY

Garnet



Overview: Garnets are a set of closely related minerals that form a group, resulting in gemstones in almost every color. Color variations are caused by the presence of different trace elements and often have specific variety names.

History and Lore: Necklaces studded with garnets adorned the pharaohs of ancient Egypt. In ancient Rome, signet rings with carved garnets were used as seals to stamp the wax that secured important documents.

Major Sources: Afghanistan, Brazil, India, Iran, Kenya, Myanmar, Namibia, Pakistan, Russia, Sri Lanka, Tanzania

Mohs Hardness: 6.5 to 7.5

Care and Cleaning: Clean using warm, soapy water. An ultrasonic cleaner is usually safe except for stones that have fractures. Steam cleaning is not recommended.

FEBRUARY

Amethyst



Overview: Amethyst is the purple variety of the mineral quartz. It's the gem most commonly associated with the color purple. The purple can be cool and bluish, or a reddish purple that's sometimes referred to as "raspberry."

History and Lore: "Amethystos" means "not drunk" in ancient Greek. Because of its wine-like color, early Greek legends associated amethyst with Bacchus, the god of wine. It was believed that wearing amethyst prevented drunkenness.

Major Sources: Brazil, United States, Uruguay, Zambia

Mohs Hardness: 7

Care and Cleaning: Clean with warm, soapy water. Ultrasonic cleaners are usually safe except in rare instances where a stone is dyed or treated by fracture filling. Steam cleaning is not recommended; do not subject to heat.

MARCH

Aquamarine



Overview: Aquamarine is the light green-blue to blue variety of the mineral beryl. It is generally light to medium in tone. Aquamarine's most valuable color is a vibrant, medium blue to slightly greenish blue.

History and Lore: The name "aquamarine" is derived from two Latin words: aqua, meaning "water," and marina, meaning "of the sea." It has been said that the mineral beryl gives the wearer protection against foes in battle or litigation.

Major Sources: Brazil, Pakistan, United States, Uruguay, Zambia

Mohs Hardness: 7.5 to 8

Care and Cleaning: Ultrasonic and steam cleaners are usually safe unless the stone has liquid inclusions or fractures. Fracture-filled gems should only be cleaned with warm, soapy water.

APRIL

Diamond



Overview: Diamond is the only gem made of a single element. It is typically about 99.95 percent carbon. The other 0.05 percent can include one or more trace elements. Some trace elements can influence its color or crystal shape.

History and Lore: Over the centuries, diamond was thought to be an antidote to poison; a protection against the plague; and to assure longevity, strength, beauty and happiness. It is now the universal symbol of love.

Major Sources: Australia, Botswana, Canada, Democratic Republic of Congo, Russia, Sri Lanka, Tanzania

Mohs Hardness: 10

Care and Cleaning: Clean by wiping it with a lint-free cloth; or use warm water, mild soap and a soft toothbrush or a commercial jewelry cleaning solution.

MAY

Emerald



Overview: Emerald is the green to bluish green variety of the mineral beryl colored by trace elements of chromium and vanadium. The most desirable emerald colors are bluish green to pure green with strong to vivid color saturation and medium to medium-dark tone.

History and Lore: From Egyptian pharaohs to Inca emperors, emerald has enchanted royalty for more than 6,000 years. Emeralds from Colombia that the Spanish Conquistadors brought back to Europe helped popularize the gem.

Major Sources: Afghanistan, Brazil, China, Colombia, India, Madagascar, Pakistan, Russia, Zambia, Zimbabwe

Mohs Hardness: 7.5 to 8

Care and Cleaning: Use warm soapy water with gentle scrubbing. Ultrasonic and steam cleaners are not recommended.

JUNE

Alexandrite



Overview: Alexandrite is a very rare color change variety of the mineral chrysoberyl. The most-prized alexandrites show a vivid green to bluish green in daylight and fluorescent light, and an intense red to purplish red in incandescent light.

History and Lore: Discovered in 1830 by miners in the Ural Mountains of Russia, these red to green color-changing stones resembled the colors of imperial Russia's national military. The find was named "alexandrite" after the Russian Emperor Alexander II.

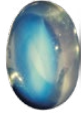
Major Sources: Brazil, Madagascar, Russia, Sri Lanka, Tanzania

Mohs Hardness: 8.5

Care and Cleaning: Warm, soapy water is always safe for cleaning alexandrite. Ultrasonic and steam cleaners are usually safe except in the rare instances where a stone is treated by fracture filling.

JUNE

Moonstone



Overview: Moonstone is a variety of the feldspar-group mineral orthoclase. The strength and color of moonstone's sheen, its body color and clarity are the most important value factors.

History and Lore: According to Hindu mythology, moonstone is made of solidified moonbeams. It was also thought to bring good fortune.

Major Sources: India, Madagascar, Sri Lanka, Tanzania

Mohs Hardness: 6 to 6.5

Care and Cleaning: Clean using warm, soapy water only. Ultrasonic and steam cleaners are never recommended.

JUNE

Pearl



Overview: A pearl is an organic gem that grows inside saltwater and freshwater mollusks. Pearl body color varies by the type of mollusk it is formed in. The vast majority of pearls sold are cultured – a product of human intervention; natural pearls are exceedingly rare.

History and Lore: Natural pearls have been coveted for thousands of years. The spherical shape of some pearls led many cultures to associate them with the moon. In ancient China, pearls were believed to guarantee protection from fire and fire-breathing dragons. In Europe, they symbolized modesty, chastity and purity.

Major Sources:

- Akoya pearls: China, Japan
- South Sea pearls: Australia, Indonesia, the Philippines
- Tahitian pearls: the islands of French Polynesia
- Freshwater pearls: China, United States

Mohs Hardness: 2.5 to 3

Care and Cleaning: Since pearls are relatively soft, take special care when wearing or displaying them. For routine care, wipe pearls with a clean, dry, soft cloth after each wearing. Ultrasonic and steam cleaners are not recommended. It is safe to use warm, soapy water for occasional thorough cleaning. Do not store in air tight areas for prolonged periods of time.

JULY

Ruby



Overview: Ruby is the red variety of the mineral corundum and its color is caused by traces of chromium. Color is the most significant factor affecting a ruby's value. The most sought-after color by collectors worldwide is a deep red, sometimes with a hint of purple, called "pigeon's blood" in the trade.

History and Lore: Early cultures valued rubies for their similarity to the redness of the blood that flowed through their veins, and believed rubies held the power of life. Many medieval Europeans wore rubies to guarantee health, wealth, wisdom and success in love.

Major Sources: Afghanistan, Greenland, Kenya, Madagascar, Malawi, Mozambique, Myanmar, Nepal, Pakistan, Sri Lanka, Tajikistan, Tanzania, Thailand, Vietnam

Mohs Hardness: 9

Care and Cleaning: Cleaning with warm, soapy water is always safe. Ultrasonic and steam cleaners are usually safe for untreated, heat-treated, and lattice diffusion-treated stones. Fracture-filled, cavity-filled or dyed material should only be cleaned with a damp cloth.

AUGUST

Peridot



Overview: Peridot's color ranges from yellowish green to greenish yellow. The most favored peridot color is a richly saturated pure grass green without any hint of yellow or brown.

History and Lore: Peridot has always been associated with light. Some believed that it protected its owner from "terrors of the night," especially when it was set in gold. Others strung the gems on donkey hair and tied them around their left arms to ward off evil spirits.

Major Sources: China, Egypt, Myanmar, Pakistan, Tanzania, United States, Vietnam

Mohs Hardness: 6.5 to 7

Care and Cleaning: Clean only with warm, soapy water. Ultrasonic and steam cleaners are never recommended.

AUGUST

Spinel



Overview: Spinel comes in a rainbow of colors caused by various trace elements. Red, pink, lilac and blue are considered the most commercially important and available. The most valued spinel colors are bright red, cobalt blue, and vivid pink and orange.

History and Lore: The name spinel comes from the Latin "spina" meaning "thorn," which refers to the shape of spinel crystals. Red spinel has often been mistaken for other gemstones, especially ruby.

Major Sources: Myanmar, Sri Lanka, Tajikistan, Tanzania, Vietnam

Mohs Hardness: 8

Care and Cleaning: Cleaning with warm, soapy water is always safe. Although ultrasonic cleaners and steam cleaners are usually safe, certain inclusions like fractures could pose a potential problem.

SEPTEMBER

Sapphire



Overview: Sapphire is a member of the mineral species corundum. The rich hues of blue sapphire are universally known but fancy sapphires come in many colors including pink, yellow, purple, colorless, black, green and rare pinkish orange.

History and Lore: Sapphire comes from the Greek word "saphheiros," which means "bright blue stone" and has been cherished for thousands of years for its color, durability, hardness and luster. Early Buddhists believed in its power for spiritual awareness.

Major Sources: Australia, Cambodia, China, Kashmir, Kenya, Madagascar, Myanmar, Nigeria, Sri Lanka, Tanzania, Thailand, United States, Vietnam

Mohs Hardness: 9

Care and Cleaning: Warm, soapy water is always safe. Ultrasonic and steam cleaners are usually safe for untreated, heat-treated and lattice diffusion-treated stones. Fracture-filled, cavity-filled or dyed material should only be cleaned with a damp cloth.

OCTOBER

Opal



Overview: Opals display a phenomenon known as play-of-color. When a stone has play-of-color, it is referred to as precious opal. The most valuable opals display play-of-color from all angles, across the entire stone, in the full range of hues from red through blue.

History and Lore: The name opal comes from the Latin "opalus" that was synonymous with "precious stone" in ancient Rome. The ancient Greeks believed opals gave their owners the gift of prophecy and guarded them from disease. For Europeans, it has been a symbol of hope, purity and truth.

Major Sources: Australia, Brazil, Ethiopia, Mexico, Peru, United States

Mohs Hardness: 5 to 6.5

Care and Cleaning: Clean only with warm, soapy water. Do not expose to heat or excessive dryness, which can lead to internal cracks known as "crazing."

OCTOBER

Tourmaline



History and Lore: Egyptian legend has it that tourmaline gathered at the colors while travelling along the rainbow, thus giving its name, which means "a gem of the rainbow."

Major Sources: Brazil, Kenya, Madagascar, Mozambique, Myanmar, Namibia, Nigeria, Pakistan, Russia, Tanzania, United States, Zambia
Mohs Hardness: 7 to 7.5

Care and Cleaning: Warm, soapy water is the best method for cleaning tourmaline. The use of ultrasonic and steam cleaners is not recommended.

NOVEMBER

Citrine



History and Lore: The name citrine comes from the French "citrin" and Latin "citrus" meaning lemon-colored. Naturally colored citrine is rare, and today most citrine quartz is the result of heat treatment of amethyst quartz.

Major Sources: Bolivia, Brazil, Madagascar, Mexico, Spain, Uruguay
Mohs Hardness: 7

Care and Cleaning: Cleaning with warm, soapy water is always safe. Ultrasonic cleaners are usually safe except in the rare instances where a stone is dyed or treated by fracture filling.

NOVEMBER

Topaz



History and Lore: Topaz was as a symbol of strength among the ancient Greeks. Europeans at the time of the Renaissance believed in its power to destroy curses and dispel anger. "Topaz" comes from the Sanskrit word "tapas" that means "fire."

Major Sources: Brazil, Madagascar, Mexico, Myanmar, Namibia, Nigeria, Pakistan, Russia, Sri Lanka, United States
Mohs Hardness: 8

Care and Cleaning: Clean with warm, soapy water. Avoid ultrasonic or steam cleaners.

DECEMBER

Tanzanite



History and Lore: Named by Tiffany & Co. after Tanzania, the country in which it was discovered in 1967, tanzanite continues to enjoy its growing popularity. Tanzanite is found commercially in only one place on Earth, making it many times rarer than diamonds.

Major Source: Tanzania
Mohs Hardness: 6 to 7

Care and Cleaning: Clean using warm, soapy water. Ultrasonic and steam cleaners are never recommended.

DECEMBER

Turquoise



History and Lore: Turquoise is one of the world's most ancient gems. Archaeological excavations revealed that the rulers of ancient Egypt adorned themselves with turquoise jewelry, and Chinese artisans carved it more than 3,000 years ago.

Major Sources: China, Egypt, Iran, Mexico, United States
Mohs Hardness: 7 to 7.5

Care and Cleaning: Clean using warm, soapy water. Ultrasonic and steam cleaners are never recommended. Heat, chemicals, cosmetics and even skin oils or perspiration can discolor or damage treated turquoise.

DECEMBER

Zircon



History and Lore: In the Hindu religion, zircon alternates with hessonite garnet as one of the nine gems of the navarata. When worn together, the nine gems protect the wearer and bring good health, wealth and wisdom.

Major Sources: Australia, Cambodia, Myanmar, Sri Lanka, Vietnam
Mohs Hardness: 6 to 7.5

Care and Cleaning: Clean with warm, soapy water. Ultrasonic and steam cleaners are not recommended.

Overview: Tourmaline comes in a wide range of colors that vary in intensity and tone. Very few gems match tourmaline's dazzling range of colors, and it was easily confused with other gems until the development of modern mineralogy.

Overview: Citrine is the transparent, pale yellow to brownish orange variety of quartz and is quite rare in nature. The most popular shade is an earthy deep brownish or reddish orange. The finest citrine color is a saturated yellow to reddish orange free of brownish tints.

Overview: Topaz features a variety of colors, from colorless, light blue, green, yellow, red, orange, pink, violet to brown. A vivid purplish pink color is one of the most rare and sought after colors. Blue topaz and colorless topaz are widely available and very affordable.

Overview: Tanzanite is the blue to bluish purple variety of the mineral zoisite. The most prized is a pure blue color or an intense violet-blue. Viewed at different angles, tanzanite's hue may appear violet.

Overview: Turquoise ranges from blue to green in color. The most prized color is an even, intense medium blue. Generally, pure saturated blue shades are the most valuable. The most valuable turquoise is an even medium blue with no matrix and the ability to take a polish.

Overview: Zircon occurs in an array of colors: yellow, green, red, reddish brown and blue hues. Colorless zircon is known for its brilliance and flashes of multicolored light, called fire. These zircon properties are close enough to the properties of diamond to account for centuries of confusion between the two gems.

Images courtesy: Dr. E. J. Gûbelein Collection, D. Humphrey, Bear Essentials, Stephen M. Avery, Nomad's Co., Mayer & Welt, Evan Caplan, David A. Brackna.

Care and Cleaning: Many gems can be subjected to treatments to enhance their color and clarity. Cleaning methods may vary depending on the presence or type of treatment. GIA® reports are available for diamonds, colored stones and pearls, and provide important information including grading, identification and detectable treatments.

Learn more about birthstones and other gems at GIA.edu/gem-encyclopedia



JEWELRY DESIGN & TECHNOLOGY

GIA® Jewelry Design & Technology graduates often choose these careers:

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

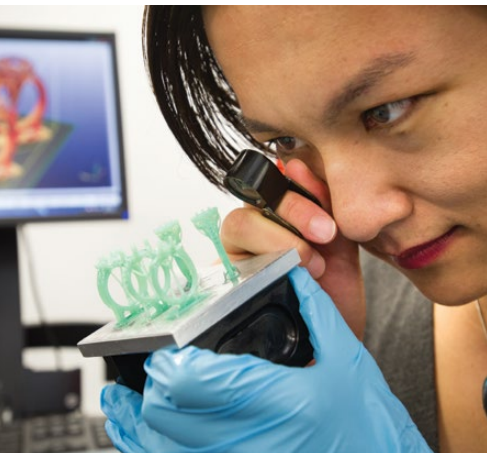
Contact Career Services
for more information:
careerservices@gia.edu

Skills From Concept to Counter

The Jewelry Design & Technology diploma program covers topics essential to becoming a jewelry designer and Computer-Aided Design (CAD) technician, including being able to build a CAD model of jewelry to 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 be provided with a limited student license for Matrix, Rhinoceros and ZBrush software, an external hard drive, a 10x loupe and hand-measuring tools for you to keep.

What You Will Learn:

- Use fundamental design concepts, including texture, shape, form, balance, negative space, color and more
- Apply the CAD model engineering concepts to make durable and comfortable pieces that are long lasting
- Create, render and prototype designs using CAD software like Matrix, Rhinoceros, ZBrush and V-Ray; and operate Computer-Aided Manufacturing (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
- Apply Quality Assurance Benchmarks to jewelry designs to ensure proper engineering for manufacturing and wear
- 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 20*.



Learn more at GIA.edu/JDT



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

*Courtesy: The Royal Ontario Museum, Toronto, Canada
Certified by the Canadian Cultural Property Export
Review Board under the terms of the Cultural Property
Export and Import Act.*





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 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, Computer-Aided Design (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, 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 metals
- Evaluate and improve workmanship using GIA® Quality Assurance Benchmarks

What You Earn: GIA Graduate Jeweler Diploma

On Campus

Full-time class offered GIA's campus in Carlsbad. See class schedule beginning on page 20.



See GIA Graduate Jeweler students tackle the "Halo ring" project in 14K gold at GIA.edu/gjvideo



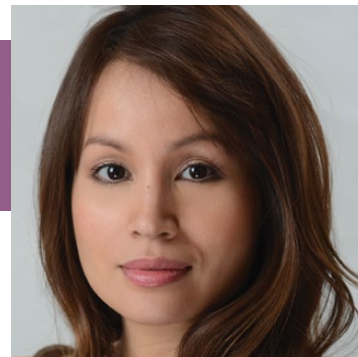
Learn more at GIA.edu/GJ



Design cast in 950 palladium and 18K yellow gold, then set with a tanzanite center stone and diamonds encircling the stone and the band. Courtesy: Michelle Loon.

Christina Fandino

Creating From the Heart



Los Angeles designer Christina Fandino, also known as Christina Grace, had an artist's spirit well before she moved into the realm of custom jewelry. She won art contests as a child and dedicated her early life to acting in television and film, but a chance meeting with a jeweler who taught her wire-wrapping changed that trajectory. Christina, a GIA Graduate Jeweler (GJ), now creates contemporary, bespoke jewelry as the founder of TIN HAUS® fine arts company, and serves as the official jeweler of the Make a Film Foundation.

Settling in Southern California

I was born in Manila, Philippines and immigrated to the United States in 1986. We lived all around San Diego County, finally settling in the city of Oceanside – near GIA's eventual world headquarters in Carlsbad.

An Early Start

My mother was the poster child for jewelry obsession, and I learned about jewelry because of her. By the age of 9, I already knew what the 4Cs were and what a diamond-cut chain looked like. I heard the name "GIA" frequently from a young age, but couldn't have known how much it would influence my life.

A Scholarship Opens Possibilities

When I was awarded a GIA® scholarship, I felt like I shot to the moon and back! There was so much to learn. I tried to maximize my time, and instructors were so generous with theirs. I was in Career Services a lot, and often visited the Richard T. Liddicoat Gemological Library and Information Center, where the librarians would recommend books to me and very patiently grant me extensions while I finished reading them.



Winner of the 2017 Metal Arts Society Challenge, "Spider and Egg" is one of Christina's more daring designs. The unusual piece is kinetic – the legs move and the egg rotates – and is made of sterling silver, a buffalo tooth, two amethysts (1.00 ctw) and one moldavite (1 ct).

Christina Fandino, GIA GJ

Owner/Designer
TIN HAUS

Fun Facts:

Favorite Book: *The Power of Now* by Eckhart Tolle

Favorite Movie: *Wonder Woman*

Favorite TV Show: *The Exorcist*

Favorite Band: Baroque

Favorite Gemstone: Moldavite

Real-World Preparation

Due to the intensive training I received from GIA's Graduate Jeweler (GJ) program, I have experienced leaps and bounds creatively and professionally. This year, I earned first place in the 2017 Metal Arts Society of Southern California Jewelry Challenge. I was also appointed the official jeweler of the Make a Film Foundation, which helps terminally ill children realize their dreams through film. I created pendants for the cast and crew of their recent film, including directors Catherine Hardwicke and Sam Raimi, and actors Johnny Depp and J.K. Simmons.

Creating Jewelry for Good

My ultimate goal is to establish TIN HAUS as a pioneer in sustainable and ethical practices. I want to help eradicate suffering in the world by assisting those in need in the most creative ways we can find, through the medium of jewelry and metal fabrication.



Christina designed this pendant "Film, I AM" for the cast and crew of the Make a Film Foundation. It is sterling silver and moldavite.

Read more about Christina's journey at GIA.edu/christina-fandino



CCC 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 (Matrix and Rhinoceros) to develop models and V-Ray software for photorealistic renderings. Topics covered also include subtractive and additive CAM machines, jewelry manufacturing techniques, GIA Quality Assurance Benchmarks and jewelry-engineering fundamentals.

What You Will Learn:

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

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

Full-time course offered in GIA campuses Carlsbad, New York and London
See class schedule beginning on page 20.

JD JEWELRY DESIGN

Illustrate Your Way to a Successful Future

In this intensive nine-week course, instructors teach 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 be able to keep your design toolkit, which contains a variety of paints, pencils, brushes, templates, papers and vellum, and other art tools.

What You Will Learn:

- Develop sources of inspiration
- Understand jewelry design theory and artistry
- Illustrate shape, form, and texture of metal
- Render faceted gems, pearls, colored metals, etc.
- Learn traditional drafting techniques
- Develop motifs to create sketches of jewelry objects
- 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 20.

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

- CAD Service Bureau Technician
- Jewelry CAD Technician
- Product Developer

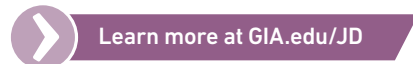
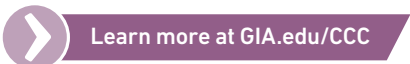
Contact Career Services for more information:
careerservices@gia.edu



GIA® Jewelry Design graduates often choose these careers:

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

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





2018 SYMPOSIUM

New Challenges. Creating Opportunities.

The Sixth International Gemological Symposium will be held October 7 – 9, 2018

at The Westin Carlsbad Resort and Spa in Carlsbad, California. Symposium unites scientists and business leaders to meet the challenges facing the gem and jewelry industry and will be attended by those throughout the industry – from seasoned executives to recent graduates.

You will have the opportunity to network, build new relationships and meet up with friends and colleagues while attending expert presentations and panel sessions.

GIA® Research Track

GIA's research team and scientists from around the world present the latest findings in gemological research, centered on the theme "New Challenges. Creating Opportunities." Topics include:

- Diamond Identification
- Colored Stone/Pearl Identification
- Gem Localities and Gem Formation
- Gem Characterization
- New Technologies and Techniques
- General Gemology

Harvard Business Track

Harvard Business School (HBS) professors will explore how the featured themes are reshaping the gem and jewelry industry. This track will use the famed case-study method employed in all HBS programs. Topics include:

- Authentic Leadership
- Disruptive Innovation
- Customer Centricity

Registration is \$695 USD and includes admission to all GIA Symposium sessions as well as continental breakfasts, grab-and-go lunches, the Sunday evening gala being held at GIA, and the Tuesday cocktail reception.

Optional Harvard Business School Program:

Receive a coveted Harvard Business School certificate of program completion when you fulfill all requirements:

- Additional \$150 fee
- Attendance and full participation at all Harvard Business Track sessions
- Complete pre-reading materials, attend orientation and participate in group discussions

Selling Out Fast. Register Now.
symposium.GIA.edu

2018 Class Schedules

ON-CAMPUS PROGRAMS

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 shown on the back cover of the most current version of the *GIA Education Catalog* or campus handbook for your campus of interest.

GIA reserves the right to reschedule or cancel classes.

CARLSBAD, CA

GEMOLOGY

GEM 2500 Graduate Gemologist®

Jan 11-Jul 27
Feb 15-Aug 31
Mar 15-Sep 28
May 24-Dec 14
Jul 12, 2018-Feb 22, 2019
Sep 6, 2018-Apr 19, 2019
Oct 11, 2018-May 24, 2019

GEM 2200 Graduate Diamonds

Jan 11-Mar 9*
Feb 1-Mar 30
Feb 15-Apr 13*
Mar 15-May 11*
May 24-Jul 20*
May 31-Jul 27
Jul 12-Sep 7*
Sep 6-Nov 2*
Sep 20-Nov 16
Oct 11-Dec 14*

GEM 2300 Graduate Colored Stones

Mar 12-Jul 27*
Apr 16-Aug 31*
May 14-Sep 28*
Jul 23-Dec 14*
Sep 10, 2018-Feb 22, 2019*
Nov 5, 2018-Apr 19, 2019*

JEWELRY MANUFACTURING ARTS

JMA 3400 Jewelry Design & Technology

May 31-Dec 14
Jul 12, 2018-Feb 15, 2019

JMA 3300 Graduate Jeweler

Jan 11-Jul 20
May 31-Dec 14
Sep 6, 2018-Apr 12, 2019

JMA 370 Jewelry Design

Feb 1-Apr 6
Jul 5-Sep 7

JMA 400 Comprehensive CAD/CAM for Jewelry

Apr 26-Jun 15
Oct 11-Dec 7

NEW YORK, NY

GEMOLOGY

GEM 2500 Graduate Gemologist®

Jan 4-Jul 20
Mar 1-Sep 14
Apr 26-Nov 9
Jun 21, 2018-Feb 1, 2019
Jul 26, 2018-Mar 8, 2019
Aug 16, 2018-Mar 29, 2019
Oct 11, 2018-May 24, 2019

GEM 2200 Graduate Diamonds

Jan 4-Mar 2*
Feb 1-Mar 30
Mar 1-Apr 27*
Apr 5-Jun 1
Apr 26-Jun 22*
Jun 7-Aug 3
Jun 21-Aug 17*
Jul 26-Sep 21*
Aug 16-Oct 12*
Sep 6-Nov 2
Oct 11-Dec 14*

GEM 2300 Graduate Colored Stones

Mar 5-Jul 20*
Apr 30-Sep 14*
Jun 25-Nov 9*
Aug 20, 2018-Feb 1, 2019*
Sep 24, 2018-Mar 8, 2019*
Oct 15, 2018-Mar 29, 2019*

JEWELRY MANUFACTURING ARTS

JMA 3400 Jewelry Design & Technology

Sep 20, 2018-Apr 26, 2019

JMA 370 Jewelry Design

Jan 18-Mar 23
Apr 12-Jun 15
Jul 12-Sep 14

JMA 400 Comprehensive CAD/CAM for Jewelry

Mar 29-May 18
Jul 5-Aug 24
Oct 18-Dec 14

CLASS DURATION AND HOURS

Monday–Friday Day Classes

Schedules may vary depending on holidays, breaks or other events. For more detail visit:

Carlsbad: GIA.edu/carlsbad-class-duration-hours

New York: GIA.edu/new-york-class-duration-hours

or contact admissions@gia.edu for details.

Weekend and Night Classes

New York:

Monday–Thursday:

On campus: 6:00 – 9:30 p.m.

Saturday: 8:00 a.m. – 4:00 p.m.

LAB CLASSES AND STUDENT WORKROOMS

CARLSBAD, CA

GEMOLOGY

GEM 220L Colored Stone Grading

Jan 22-24
Apr 16-18
Jun 25-27
Sep 24-26
Nov 5-7

GEM 230L Diamond Grading

Jan 8-12
Apr 2-6
Apr 23-27
Jun 11-15
Sep 10-14
Oct 22-26
Nov 12-16

GEM 240L Gem Identification

Jan 15-19
Apr 9-13
Jun 18-22
Sep 17-21
Oct 29-Nov 2

GEM 149L Pearl Grading

Jan 25
Apr 19
Jun 28
Sep 27
Nov 8

STUDENT WORKROOM

Available daily, Monday – Friday, 9:00 a.m. – 12:00 p.m. and 1:00 – 4:00 p.m., on a first-come, first-served basis for up to eight students.

Fees are \$35 for half day and \$70 for full day. No fees for exams.

For a complete list of Student Workroom prerequisites, services, and additional details, visit GIA.edu.

To reserve a seat, call +1 800 421 7250 ext 4404, or outside the U.S. call +1 760 603 4404 or email lessons@gia.edu

JEWELRY MANUFACTURING ARTS

JMA 320L Basic Repair and Setting

May 7-11
Aug 6-10

JMA 340L Intermediate Repair and Setting

May 14-18
Aug 13-17

NEW YORK, NY

GEMOLOGY

GEM 220L Colored Stone Grading

Jan 22-24
Mar 12-14
Apr 9-11
May 7-9
Jun 11-19 (N)
Jun 25-27
Oct 1-3
Oct 13-27 (S)
Oct 29-Nov 6 (N)
Dec 10-12

GEM 230L Diamond Grading

Jan 8-12
Feb 26-Mar 2
Mar 5-20 (N)
Mar 26-30
Mar 31-Apr 28 (S)
Apr 23-27
Jun 11-15
Jul 16-20
Aug 6-21 (N)
Aug 13-17
Nov 5-9
Nov 26-30

GEM 240L Gem Identification

Jan 15-19
Mar 5-9
Apr 2-6
Apr 30-May 4
Apr 30-May 15 (N)
Jun 18-22
Jul 14-Aug 11 (S)
Sep 24-28
Sep 24-Oct 9 (N)
Dec 3-7

GEM 149L Pearl Grading

Jan 25
Mar 15
Apr 12
May 10
Jun 28
Oct 4
Dec 13

STUDENT WORKROOM

Monday – Friday, 9:00 a.m. – 12:00 p.m. and 1:00 – 4:00 p.m.

Fees are \$35 for half day and \$70 for full day. No fees for exams.

For a complete list of Student Workroom prerequisites, services, and additional details, visit GIA.edu

To reserve a seat, call +1 800 366 8519, or outside the U.S. call +1 212 944 5900, or email nyworkroom@gia.edu

Feb 5-9
Feb 12-16
Apr 9-13
Apr 16-20
May 21-25
May 29-Jun 1
Jul 30-Aug 3
Aug 6-10
Dec 3-7
Dec 10-14

2018 Class Schedules

U.S. SEMINARS

LAS VEGAS, NV

To register, and for class location, call American Gem Society at +1 702 255 6500 ext 1020 or email nmorales@ags.org

GEMOLOGY

GEM 220L Colored Stone Grading

Oct 10-12

GEM 230L Diamond Grading

Feb 26-Mar 2
Oct 15-19

GEM 240L Gem Identification

Mar 5-9

LAS VEGAS, NV

Seminar offered during JCK show.

GEMOLOGY

GEM 275L Gemology Seminars

Subject and dates to be announced.

TUCSON, AZ

Classes are held at the Tucson Convention Center, 260 South Church, Tucson, AZ 86701.

GEMOLOGY

GEM 275L Identifying Synthetic Diamond Seminar w/Lab

Feb 2 (\$225)

GEM 275L Ruby: Country of Origin Determination

Feb 3 (\$225)

GEM 275L Sapphire: Country of Origin Determination

Feb 3 (\$225)

To register, call GIA Admissions at +1 800 421 7250 ext 4001 or +1 760 603 4001.

ON-CAMPUS PROGRAMS

BANGKOK GIAthai.net

GEMOLOGY

GEM 2500 Graduate Gemologist®

May 31-Dec 14

GEM 2200 Graduate Diamonds

Jan 25-Mar 23
May 31-Jul 26
Aug 9-Oct 5
Oct 25-Dec 21

GEM 2300 Graduate Colored Stones

Jan 11-Jun 1
Jul 26-Dec 14

Applied Jewelry Professional™ (Intensive)

Jan 15-19
Apr 23-27
Sep 24-28

JEWELRY MANUFACTURING ARTS

JMA 370 Jewelry Design

Feb 1-Apr 5
Jun 7-Aug 10
Oct 18-Dec 21

Quick Design

May 14-18
Aug 27-31

DELHI GIAindia.in

GEMOLOGY

GEM 2500 Graduate Gemologist®

Apr 19-Nov 2

GEM 2200 Graduate Diamonds

Jan 18-Mar 16
Apr 19-Jun 15

GEM2300 Graduate Colored Stone

Jun 14-Nov 2

Applied Jewelry Professional™ (Intensive)

Mar 19-23
Sep 17-21

DUBAI GIAmideast.com

Classes will be held at Gold Tower, JLT Premises, unless otherwise mentioned.

GEMOLOGY

GEM 2200 Graduate Diamonds

Jan 4-Mar 1
Mar 22-May 17
Jun 21-Aug 16
Aug 23-Oct 18
Nov 1-Dec 27

Applied Jewelry Professional™ (Intensive)

Jan 28-Feb 1
Apr 22-26
Aug 12-16
Sep 30-Oct 4
Dec 9-13

HONG KONG GIAhongkong.com

GEMOLOGY

GEM 2500 Graduate Gemologist®

Jan 4-Aug 10
May 31-Dec 21

GEM 2200 Graduate Diamonds

Jan 4-Mar 9
Jan 2-Mar 26 (Cantonese) (M, Tu, Th) (H)
Mar 19-May 31 (Cantonese)(M, Tu, Th) (H)
Apr 9-Jun 11 (Cantonese) (M, W, F) (H)
Apr 9-Jun 11 (M, W, F) (H)
Apr 9-Jun 11 (Cantonese) (M, Tu, Th) (H)
May 31-Jul 27
Jun 25-Aug 24 (Cantonese) (M, W, F) (H)
Jul 9-Sep 4 (M, Tu, Th) (H)
Aug 6-Oct 22 (Cantonese) (M, Tu, Th) (H)
Oct 22-Dec 18 (Cantonese) (M, Tu, Th) (H)
Oct 25-Dec 12

GEM 2300 Graduate Colored Stones

Jan 2-Jul 10 (Cantonese) (M, Tu, Th) (H)
Mar 15-Aug 10
Apr 9-Sep 10 (Cantonese) (M, W, F) (H)
Jul 12-Dec 12 (Cantonese) (M, Tu, Th) (H)
Jul 26-Dec 21

JEWELRY MANUFACTURING ARTS

JMA 370 Jewelry Design

Mar 19-May 25
Aug 13-Oct 19
Oct 22-Dec 21

LONDON London.GIA.edu

GEMOLOGY

GEM 2500 Graduate Gemologist®

Jan 18-Aug 3†
Mar 1-Sep 14
May 31-Dec 14
Sep 6, 2018-Apr 12, 2019
Oct 18, 2018-May 24, 2019

GEM 2200 Graduate Diamonds

Jan 18-Mar 16*‡
Mar 1-Apr 27*
May 31-Jul 27*
Sep 6-Nov 2*
Oct 18-Dec 14*

GEM 2300 Graduate Colored Stones

Mar 15-Aug 3*
Apr 26-Sep 14*
Jul 26-Dec 14*
Nov 1, 2018-Apr 12, 2019*

JEWELRY MANUFACTURING ARTS

JMA 370 Jewelry Design

Jan 11-Mar 16
May 31-Aug 3
Oct 11-Dec 14

JMA 400 Comprehensive CAD/CAM for Jewelry

Mar 29-May 18
Aug 16-Oct 5

† Graduate Diamonds portion of this program will be held at the Goldsmiths' Centre, London

‡ This program will be held at the Goldsmiths' Centre, London

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

Class Duration: Please note class schedules may vary depending on holidays and breaks; please review the schedule carefully and plan accordingly.

* Dates offered on a standby basis. Call for availability. You will be placed on a waiting list until 30 days prior to the start of your program or class when GIA can confirm your space availability. Schedules are subject to change without notice. For a current schedule, visit GIA.edu/schedules. Contact the campus to confirm availability and for additional information and details.

2018 Class Schedules

ON CAMPUS PROGRAMS (cont.)

MUMBAI GIAindia.in

GEMOLOGY

GEM 2500 Graduate Gemologist®

Jan 4-Jul 20
Apr 12-Oct 26
May 24-Dec 14
Jul 26, 2018-Feb 15, 2019

GEM 2200 Graduate Diamonds

Jan 4-Mar 2
Feb 1-Mar 30
Feb 22-Apr 20
Mar 22-May 18
Apr 12-Jun 8
May 3-Jun 29
May 24-Jul 20
Jun 28-Aug 24
Jul 26-Sep 21
Aug 30-Oct 26
Nov 8, 2018-Jan 4, 2019
Nov 29, 2018-Jan 25, 2019

GEM 2300 Graduate Colored Stones

Mar 1-Jul 20*
Jun 7-Oct 26*
Jul 19-Dec 14*
Sep 20, 2018-Feb 15, 2019*

JEWELRY MANUFACTURING ARTS

JMA 370 Jewelry Design

Jan 11-Mar 16
Apr 5-Jun 8
Jun 28-Aug 31
Nov 15, 2018-Jan 18, 2019

Applied Jewelry Professional™ (Intensive)

Feb 5-9
Mar 26-30
Oct 29-Nov 2
Nov 26-30

SHANGHAI GIAtaiwan.com.tw

GEMOLOGY

GEM 2500 Graduate Gemologist®

Mar 9-Sep 21 (Chinese)
Jul 6, 2018-Feb 1, 2019 (Chinese)

GEM 2200 Graduate Diamonds

Mar 9-May 4 (Chinese)
May 11-Jul 6 (Chinese)
May 12-Jul 14 (Chinese) (S) (H)
July 6-Aug 31 (Chinese)

GEM 2300 Graduate Colored Stones

May 4-Sep 21 (Chinese)
Jul 21, 2018-Jan 26, 2019 (Chinese) (S) (H)
Aug 31, 2018-Feb 1, 2019 (Chinese)

JEWELRY MANUFACTURING ARTS

JMA 370 Jewelry Design

Oct 22-Dec 21 (Chinese)

SURAT GIAindia.in

GEMOLOGY

GEM 2200 Graduate Diamonds

Mar 8-May 4
May 17-Jul 13
Aug 16-Oct 12
Nov 15, 2018-Jan 11, 2019

Applied Jewelry Professional™ (Intensive)

Feb 12-16
Oct 15-19

TAIWAN GIAtaiwan.com.tw

GEMOLOGY

GEM 2500 Graduate Gemologist®

Mar 23-Oct 5 (Chinese)
Jul 6, 2018-Jan 25, 2019 (Chinese)
Nov 2, 2018-May 31, 2019 (Chinese)

GEM 2200 Graduate Diamonds

Mar 19-May 18 (Chinese) (M, W, F) (N)
Mar 23-May 18 (Chinese)
Jun 2-Aug 4 (Chinese) (S) (H)
Jul 6-Aug 31 (Chinese)
Aug 27-Oct 19 (Chinese) (M, W, F) (N)
Oct 27, 2018-Dec 29, 2019 (Chinese) (S)
Nov 2-Dec 28 (Chinese)

GEM 2300 Graduate Colored Stones

Dec 29, 2017-Jun 1, 2018 (Chinese)
May 18-Oct 5 (Chinese)
Aug 31, 2018-Jan 25, 2019 (Chinese)

Applied Jewelry Professional™ (Intensive)

Mar 5-16 (Chinese)
Aug 13-24 (Chinese)

JEWELRY MANUFACTURING ARTS

JMA 370 Jewelry Design

Mar 19-May 18 (Chinese)
Jun 4-Aug 3 (Chinese)
Oct 15-Dec 14 (Chinese)

LAB CLASSES AND STUDENT WORKROOMS

BANGKOK GIAthai.net

GEMOLOGY

GEM 220L Colored Stone Grading

Jan 22-24
Jul 9-11
Sep 17-19

GEM 230L Diamond Grading

Jan 8-12
Jun 25-29
Sep 3-7

GEM 240L Gem Identification

Jan 15-19
Jul 2-6
Sep 10-14

GEM 149L Pearl Grading

Jan 25
Jul 12
Sep 20

JEWELRY MANUFACTURING ARTS

Quick Design

May 14-18
Aug 27-31

BEIJING GIAtaiwan.com.tw

GEMOLOGY

GEM 220L Colored Stone Grading

Mar 31-Apr 2 (Chinese)

GEM 230L Diamond Grading

Mar 19-23 (Chinese)
Oct 28-Nov 1 (Chinese)

GEM 240L Gem Identification

Mar 25-29 (Chinese)

BIRMINGHAM London.GIA.edu

GEMOLOGY

GEM 230L Diamond Grading

Jul 9-13

DELHI GIAindia.in

GEMOLOGY

GEM220L Colored Stone Grading

Jan 15-17
Apr 2-4
Nov 26-28

GEM230L Diamond Grading

Jan 8-12
Mar 26-30
Apr 16-20
Jun 11-15
Sep 10-14
Nov 19-23
Dec 17-21

DUBAI GIAmideast.com

GEMOLOGY

GEM220L Colored Stone Grading

Mar 18-20
Jun 10-12
Nov 4-6

GEM230L Diamond Grading

Mar 4-8
May 20-24
Aug 19-23
Oct 21-25

GEM240L Gem Identification

Mar 11-15
Jun 3-Jul 7
Oct 28-Nov 1

GEM140L Pearl Grading

Mar 21
Jul 13
Oct 7

HONG KONG GIAhongkong.com

GEMOLOGY

GEM 220L Colored Stone Grading

Sep 19-21

GEM 230L Diamond Grading

Jan 4-30 (Cantonese) (M, Tu, Th) (N)
Jun 4-Jul 5 (Cantonese) (M, Tu, Th) (N)
Oct 1-5
Nov 13-Dec 10 (M, Tu, Th) (N)

GEM 240L Gem Identification

Sep 24-28

GEM 149L Pearl Grading

Apr 18-20 (Cantonese) (W, F) (N)
Apr 25-27 (W, F) (N)
Jul 25-27 (Cantonese) (W, F) (N)
Jul 27
Dec 14

JOHANNESBURG

To register, call the Harry Oppenheimer Diamond Training School at +27 11 334 9003 or +27 11 334 8420, or email info@diamondtrainingschool.co.za
Fees and enrollment details vary.

2018 Class Schedules

LAB CLASSES AND STUDENT WORKROOMS

LONDON London.GIA.edu

GEMOLOGY

GEM 220L Colored Stone Grading

Feb 26-28
Oct 8-10

GEM 230L Diamond Grading

Jan 8-12
Feb 19-23
Apr 16-20
Sep 24-28

GEM 240L Gem Identification

Jan 15-19
Apr 23-27
Oct 1-5

GEM 149L Pearl Grading

Mar 2
Oct 11

STUDENT WORKROOM

Please call or email for availability:
T +44 (0) 207 813 4321
E gialondon@gia.edu
9:30 a.m. – 4:30 p.m.

Jan 22-Feb 16
Apr 30-May 25
Aug 6-31

MUMBAI GIAindia.in

GEMOLOGY

GEM 220L Colored Stone Grading

Jan 22-24
Jun 25-27
Sep 10-12

GEM230L Diamond Grading

Jan 8-12
Jan 29-Feb 2
Feb 19-23
Mar 19-23
Apr 9-13
Apr 30-May 4
May 21-25
Jun 11-15
Jul 23-27
Aug 27-31
Oct 29-Nov 2
Nov 19-23
Dec 17-21

GEM240L Gem Identification

Jan 15-19
Jun 18-22
Sep 3-7

GEM140L Pearl Grading

Jan 25
Jun 28
Sep 13

STUDENT WORKROOM

Please call or email for availability:
T +91 22 408 51500
E eduindia@gia.edu.
10 a.m. – 5 p.m.

Feb 5-16
Nov 12-23

RAMAT GAN csrisrael@gia.edu

For a current schedule of lab classes email csrisrael@gia.edu or call +972 3522 6749

SHANGHAI GIAtaiwan.com.tw

GEMOLOGY

GEM 220L Colored Stone Grading

May 17-19 (Chinese)
Nov 15-17 (Chinese)

GEM 230L Diamond Grading

May 5-9 (Chinese)
Nov 3-7 (Chinese)

GEM 240L Gem Identification

May 11-15 (Chinese)
Nov 9-13 (Chinese)

SHENZHEN GIAtaiwan.com.tw

GEMOLOGY

GEM 220L Colored Stone Grading

Apr 21-23 (Chinese)

GEM 230L Diamond Grading

Apr 9-13 (Chinese)
Dec 3-7 (Chinese)

GEM 240L Gem Identification

Apr 15-19 (Chinese)

SURAT GIAindia.in

GEMOLOGY

GEM230L Diamond Grading

Feb 5-9
May 7-11
Jul 16-20
Aug 13-17
Oct 22-26
Nov 12-16

TAIWAN GIAtaiwan.com.tw

GEMOLOGY

GEM 220L Colored Stone Grading

Jan 29-31 (Chinese)
Oct 29-31 (Chinese)

GEM 230L Diamond Grading

Jan 15-19 (Chinese)
Mar 19-Apr 13 (Chinese) (M, W, F) (N)
Jun 2-30 (Chinese) (S)
Jun 4-8 (Chinese)
Aug 27-Sep 21 (Chinese) (M, W, F) (N)
Oct 15-19 (Chinese)
Oct 27-Nov 24 (Chinese) (S)

GEM 240L Gem Identification

Jan 22-26 (Chinese)
Jun 11-15 (Chinese)
Oct 22-26 (Chinese)

GEM 149L Pearl Grading

Mar 24 (Chinese) (S)
Oct 20 (Chinese) (S)

STUDENT WORKROOM

Please call or email for availability:
T +886 2 2771 9391
E giataiwan@gia.edu

Jan 22-26
Feb 26-Mar 2
Mar 19-23
Apr 16-20
May 14-18
Jun 19-22
Jul 2-6
Aug 6-10
Sep 3-7
Oct 1-5
Oct 29-Nov 2
Dec 24-28

TOKYO giaeducationjapan@gia.edu

GEMOLOGY

GEM 230L Diamond Grading

Feb 19-23
Apr 23-27
Jun 25-29
Aug 20-24
Oct 15-19
Dec 10-14

GEM 130B Diamond Essentials Intensive

Feb 15-16
Apr 19-20
Jun 21-22
Aug 16-17
Oct 11-12
Dec 6-7

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.

Contact information for GIA campuses can be found at GIA.edu/locations

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

Class Duration: Please note class schedules may vary depending on holidays and breaks; please review the schedule carefully and plan accordingly.

* Dates offered on a standby basis. Call for availability. You will be placed on a waiting list until 30 days prior to the start of your program or class when GIA can confirm your space availability. Schedules are subject to change without notice. For a current schedule, visit GIA.edu/schedules. Contact the campus to confirm availability and for additional information and details.

Career Support

Beyond the Diploma



GIA Career Services

GIA career services is ready to share invaluable advice and guidance to help you turn your skills into opportunities. We offer workshops and several tools which help students prepare for the job market. Contact your campus to learn more.

GIA Job Seeker Handbook is your guide to applying for jobs in the gem and jewelry industry. It is an excellent source for resume and cover letter do's & don'ts, portfolio presentation recommendations and interview tips.

➤ Available at GIA.edu/job-handbook

GIA Gem and Jewelry Career Center – The premier online job board for the gem and jewelry industry.

- **Job Seekers** can create detailed profiles and search through hundreds of jobs across all sectors of the industry. Includes tools and resources to help you research companies and prepare for interviews.
- **Employers** can search for candidates that fit their needs, post jobs and create profiles that attract job seekers passionate about the industry.

➤ It's free – Sign up now at GIA.edu/gem-job



GIA Career Fairs

Take the next step in your career at the gem and jewelry industry's premier recruiting events.

GIA Career Fairs attract dozens of recruiters from across the industry, including: Tiffany & Co., Saks Fifth Avenue, Gemvara, David Yurman and many more.

- Mid-career & entry-level opportunities
- One-on-one career coaching
- Discussion panels with VIPs
- Networking

2018 Career Fairs:

- **London** - April 23
- **New York** - July 13
- **Carlsbad, California** - October 5

Looking to hire? GIA Career Fairs are a great way to find qualified candidates, whether you are a multi-national corporation or a local jewelry store.

➤ Job Seekers and Recruiters can learn more and register to attend at GIA.edu/career-fair

GIA Jewelry Career Fair



80+ recruiters attended New York and Carlsbad Career Fairs in 2017.

Career Support

Beyond the Diploma (cont.)



GIA Alumni Association

Member benefits that keep you connected to GIA and the industry.

- **NEW! GIA Alumni Member Logo** – A powerful way to promote your GIA education affiliation. The alumni logo is available to qualified alumni for use on business cards, websites and stationery. Email alumni@gia.edu for usage information.
- **GIA Alumni Online Directory** – Sign up so prospective clients can view your credentials and contact you.
- **GIA Alumni Membership Card, Window Decal and Business Card Holder** – Promote your GIA education.
- **GIA Insider and AlumConnect** – Free digital publications help you stay informed.

120,000+
ALUMNI
MEMBERS

65
CHAPTERS
AROUND THE GLOBE



**GIA ALUMNI
MEMBER**



Top: Alumni gathered at GIA in Carlsbad to join the 14th Annual Sinkankas Symposium in 2017.

Bottom: Members of the Mexico City Chapter enjoying a cultural stopover at Iguazu Falls, Brazil during their Brazilian Gemstone Safari Tour.



Stay connected at GIA.edu/gia-alumni

GIA Continuing Education Program

Your gemological education at GIA continues after you graduate.

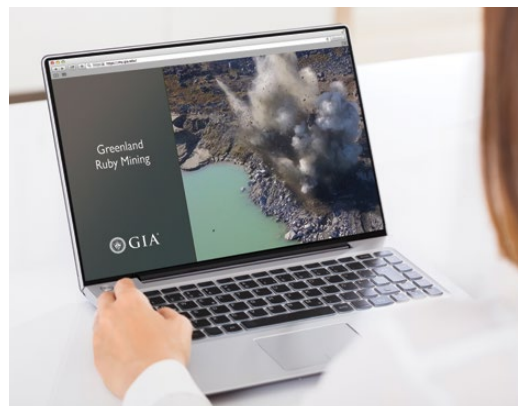
Exclusive to GIA Graduate Gemologists, this program will help you stay up-to-date on the latest industry developments and GIA gemological research that GIA is uniquely positioned to provide.

Participants complete eight interactive assignments throughout the year to earn their annual completion certificate. You will also have access to a wealth of GIA knowledge and assets including:

- Past continuing education program assignments
- Access to review current GIA gemology eLearning courses
- Gem identification tutorial videos, and much more



Learn more and enroll at GIA.edu/gem-continuing-education



2018's first Continuing Education Program assignment in February explores ruby mining in Greenland

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

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