

JEWELRY AND METAL ARTS

- Jewelry and Metal Arts, Associate in Arts
- Jewelry and Metal Arts, Certificate of Achievement

See also Art

Art - Dimensional (ARTD)

ARTD 1A - Sculpture I (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
Introduction to three-dimensional sculptural principles, techniques, and concepts utilizing a wide range of materials and practices. Various sculpture methods are practiced with attention to creative self-expression and historical context. Portions of instruction may be offered online; may also be offered fully online.

Advisory: Completion of or concurrent enrollment in ENGL 1A or ENGL 1AE
Credit transferable: Transfers to CSU & UC
GE Credit: MPC C Humanities

ARTD 1B - Sculpture II (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course is a continuation of ARTD 1A, with concentration on more complex projects. It includes increased student participation and responsibility to generate direction for their work. Increased emphasis is placed on the use of permanent materials. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 1A (or ART 63A)
Credit transferable: Transfers to CSU & UC

ARTD 1C - Sculpture III (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course is a continuation of ARTD 1B, with emphasis on independent authorship of ideas and awareness of creating a unified body of work. Students explore combining materials used in previous classes to create multiple-media projects. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 1B (or ART 63B)
Credit transferable: Transfers to CSU & UC

ARTD 1D - Sculpture IV (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course is a continuation of ARTD 1C, with emphasis on refining work for portfolio review, scholarship application, and transfer and/or exhibition preparation. It includes an introduction to the spatial relationships of installation art. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 1C
Credit transferable: Transfers to CSU & UC

ARTD 2A - Figure Sculpture I (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course offers study of the human form in sculpture, working directly from live models. The primary material used is plasticene over armatures. Portions of instruction may be offered online; may also be offered fully online.

Advisory: Completion of or concurrent enrollment in ENGL 1A or ENGL 1AE
Credit transferable: Transfers to CSU & UC

ARTD 2B - Figure Sculpture II (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course is a continuation of ARTD 2A, with an increase in project complexity. Emphasis is on personal expression through creative form manipulation and increased student participation in idea development. It includes expanded use of casting mediums, materials, and construction techniques.

Prerequisite(s): ARTD 2A (or ART 64)
Credit transferable: Transfers to CSU & UC

ARTD 2C - Figure Sculpture III (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course is a continuation of ARTD 2B, with emphasis on independent authorship of ideas, figurative innovation, and exploration in alternate figurative mediums. It covers advanced textural techniques and expressive portraiture.

Prerequisite(s): ARTD 2B
Credit transferable: Transfers to CSU & UC

ARTD 2D - Figure Sculpture IV (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course is a continuation of ARTD 2C. Emphasis is placed on individual aesthetic refinement. The course includes techniques in capturing expressive qualities and gesture. It also covers the dynamics of increasing scale and an introduction to the spatial relationships of figurative installation art.

Prerequisite(s): ARTD 2C
Credit transferable: Transfers to CSU & UC

ARTD 3A - Mold Making I (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course offers an introduction to basic mold-making techniques. It includes instruction in waste molds, piece molds, slip casting, and plastics. It also covers preparatory molds for lost-wax metal casting. Portions of instruction may be offered online; may also be offered fully online.

Advisory: ARTB 3 (or ART 23), ARCE 3A (or ART 74A), ARTD 1A (or ART 63A), or ARTD 2A (or ART 64); completion of or concurrent enrollment in ENGL 1A or ENGL 1AE
Credit transferable: Transfers to CSU & UC

ARTD 3B - Mold Making II (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course is a continuation of ARTD 3A. Projects increase in sophistication. Emphasis is on two-piece molds, larger-scale mother-mold construction, complex spatial relationships and visualizing parting lines. Mediums include silicone and polyurethane.

Prerequisite(s): ARTD 3A (or ART 65)
Advisory: Completion of or concurrent enrollment in ENGL 1A or ENGL 1AE
Credit transferable: Transfers to CSU & UC

ARTD 3C - Mold Making III (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course is a continuation of ARTD 3B, with priority given to advanced multiple-piece molds. It covers block molds, casting resins, foams, polyester and polyurethane resin pouring, resin coloration techniques, wax finish work, and experimental mold-making techniques.

Prerequisite(s): ARTD 3B
Credit transferable: Transfers to CSU & UC

ARTD 4A - Wood Sculpture I (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio

This course is an introduction to basic wood sculpture, including experience with wood fabrication and carving. Materials used range from those for found-wood construction to those for high-finish projects. Portions of instruction may be offered online; may also be offered fully online.

Advisory: Completion of or concurrent enrollment in ENGL 1A or ENGL 1AE

Credit transferable: Transfers to CSU & UC

ARTD 4B - Wood Sculpture II (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio

This course is a continuation of ARTD 4A, with an increase in project sophistication. It covers expanded shop equipment operation and joinery techniques. Emphasis is on creative resourcefulness using organic forms. It also covers design and building of kinetic wood mechanisms.

Prerequisite(s): ARTD 4A (or ART 68)

Credit transferable: Transfers to CSU & UC

ARTD 4C - Wood Sculpture III (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio

This course is a continuation of ARTD 4B. Emphasis is on imaginative design, unique fabrication, and inventive integration of techniques learned in previous wood classes. It covers further exploration with powered wood mechanisms and kinetic sculpture. Site-specific, wood-based installation art is included.

Prerequisite(s): ARTD 4B

Credit transferable: Transfers to CSU & UC

ARTD 5A - Metal Sculpture I (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio

This course is an introduction to basic metal sculpture, including experience with metal fabrication, welding, and metal casting. Portions of instruction may be offered online; may also be offered fully online.

Advisory: Completion of or concurrent enrollment in ENGL 1A or ENGL 1AE

Credit transferable: Transfers to CSU & UC

ARTD 5B - Metal Sculpture II (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio

This course is a continuation of ARTD 5A. It covers increase in fabrication complexity, with emphasis on student participation in idea development and imaginative problem solving. It also covers expanded use of MIG welding, joining techniques, and open-face, multiple-piece sand molds.

Prerequisite(s): ARTD 5A (or ART 66)

Credit transferable: Transfers to CSU

ARTD 5C - Metal Sculpture III (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio

This course is a continuation of ARTD 5B. It involves an increase in the scale of projects. Emphasis is on imaginative design, unique fabrication, and inventive integration of techniques learned in previous steel classes. It includes TIG welding and multiple-piece sand molds with assembly and patinas.

Prerequisite(s): ARTD 5B

Credit transferable: Transfers to CSU

ARTD 6A - Stone Sculpture I (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio

This course is an introduction to basic stone carving, including experience with steatite, alabaster and marble. Tools include rasps and stone chisels. Portions of instruction may be offered online; may also be offered fully online.

Advisory: Completion of or concurrent enrollment in ENGL 1A or ENGL 1AE

Credit transferable: Transfers to CSU & UC

ARTD 6B - Stone Sculpture II (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio

This course is a continuation of ARTD 6A, with an increase in use of marble and carving complexity. Emphasis is placed on student participation in idea development and imaginative problem solving. Instruction includes pneumatic carving tools.

Prerequisite(s): ARTD 6A (or ART 67)

Credit transferable: Transfers to CSU & UC

ARTD 6C - Stone Sculpture III (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio

This course is a continuation of ARTD 6B. Emphasis is on imaginative design, unique fabrication, and inventive integration of techniques learned in previous stone sculpture classes. It includes an increase in scale and combining stone with other mixed media materials.

Prerequisite(s): ARTD 6B

Credit transferable: Transfers to CSU & UC

ARTD 7A - 3D Arts & Technology I (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio

This course offers an introduction to technology used in 3-dimensional artwork and design. It includes such topics as laser cutting, 3D scanning, post scan options, and 3D printing input and output methods. Portions of instruction may be offered online; may also be offered fully online.

Advisory: Completion of or concurrent enrollment in ENGL 1A or ENGL 1AE

Credit transferable: Transfers to CSU & UC

ARTD 7B - 3D Arts & Technology II (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio

This course is a continuation of ARTD 7A. It covers an increase in project sophistication. Emphasis is on combination, multiple-piece constructions, increase in scale options, scale modeling techniques and alternate post-output build methods. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 7A

Credit transferable: Transfers to CSU & UC

ARTD 40 - Introduction to Jewelry and Metalsmithing (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio

This course is an introduction to a wide range of methods, techniques, and materials used to create jewelry and small-scale metal artwork and objects. Includes examination of the history and contemporary practices of jewelry-making and small metal casting / fabrication with a global cultural perspective. Portions of instruction may be offered online; may also be offered fully online.

Advisory: Completion of or concurrent enrollment in ENGL 1A or ENGL 1AE

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 40A - Jewelry and Metal Arts I (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This beginning-level jewelry and metal arts course focuses on introductory-level skills and processes. Instruction includes an overview of historical and contemporary metalwork, demonstrations and practice of foundational fabrication techniques and designs. Participants learn how to create original jewelry and small scale metal art objects by following course assignments and incorporating level-appropriate ideas and designs with materials and hands-on practice. Portions of instruction may be offered online; may also be offered fully online.

Advisory: ARTB 2 (or ART 22); completion of or concurrent enrollment in ENGL 1A or ENGL 1AE

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 40B - Jewelry and Metal Arts II (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course is a continuation of ARTD 40A, wherein participants develop a broader working knowledge of metal arts fabrication. Course emphases are on artistic personal expression, refinement of designs, development of skills and construction techniques using unfamiliar tools and materials practicing safe working habits and studio maintenance. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 40A (or ART 84A)

Advisory: ARTB 3 (or ART 23); completion of or concurrent enrollment in ENGL 1A or ENGL 1AE

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 40C - Jewelry & Metal Arts III (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course continues to build on the established foundations of ARTD 40B. Class assignments incorporate more sophisticated concepts and techniques, design elements and problem-solving skills. Projects incorporate a full inventory of basic jewelry fabrication and challenging skills while emphasizing refinement and personal expression. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 40B (or ART 84B)

Advisory: Completion of or concurrent enrollment in ENGL 1A or ENGL 1AE

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 40D - Jewelry and Metal Arts IV (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course offers development beyond ARTD 40C by building a portfolio of work for transfer, scholarships, exhibitions, and/or marketing. Focus on more independent and complex designs, refining skills and techniques such as marriage of metals, hollow forms, stone settings and or incorporate mixed media materials. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 40C

Advisory: Completion of or concurrent enrollment in ENGL 1A or ENGL 1AE

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 41A - Small Metal Casting: Jewelry I (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course introduces the ancient art of lost-wax casting for jewelry and small-scale metal art objects. Through historical and contemporary examples, demonstrations, and hands-on practice students become familiar with the art of casting. Course emphases are on personal design exploration, wax model construction, casting and finishing techniques, studio maintenance, and safe practices in the studio. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 40A (or ART 84A)

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 41B - Small Metal Casting: Jewelry II (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course is a continuation of ARTD 41A, investigating more complex model construction and casting techniques. Assignments focus on refinement of three-dimensional designs and models, more sophisticated wax model carvings and build-up methods, natural material castings, and one-sided molds. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 41A (or ART 82D)

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 41C - Small Metal Casting: Jewelry III (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course is a continuation of ARTD 41B, focusing on designing and reproducing multiples and one-of-a-kind jewelry arts. Further refinement of dimensional cast designs, incorporating stones into wax models, metal alloying, bi-metal casting, and two-sided molds. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 41B

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 41D - Small Metal Casting: Jewelry IV (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This class is a continuation of ARTD 41C, designed for further study and refinement of personal expression, visual aesthetics, techniques and skills. Students create a cohesive body of small metal casting work for portfolio development and preparation for transfer, scholarship, exhibition, and/or marketing purposes. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 41C

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 42A - Jewelry: Metalsmithing I (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
Using traditional metalsmithing practices, students create small objects such as jewelry, hollowware, vessels, and relief forms. Course examples include historic, contemporary, and cultural techniques such as chasing and repousse, sinking and raising, scoring and bending, embossing, and synclastic shaping. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 40A (or ART 84A)

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 42B - Jewelry: Metalsmithing II (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course is a continuation of ARTD 42A, focusing on using complex metalsmithing techniques such as anti-clastic raising, shell and hydraulic die forming, sinking and raising with stakes, hammers, sandbags, and tree stumps. Presentations and demonstrations are inspired by cultural and contemporary examples informing hands-on skills, techniques and finished artworks. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 42A (or ART 89C)

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 42C - Jewelry: Metalsmithing III (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course is a continuation of ARTD 42B. Create smithing tools and use them for making projects, including pitch bowl and punches for chasing and repousse, altered stakes and hammers for anti-clastic raising, hydraulic press dies for forming and surface embellishments, wooden forms for sinking and raising, and file and graver alterations. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 42B (or ART 82C)

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 43A - Jewelry: Stone Setting I (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course covers traditional methods for setting faceted round stones in jewelry. Students practice and create a variety of basic stone settings such as bezel, prong, tube, flush, hammer, and channel to learn to incorporate stones into innovative jewelry designs.

Prerequisite(s): ARTD 40A (or ART 84A)

Advisory: ARTD 41A (or ART 82D)

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 43B - Jewelry: Stone Setting II (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course continues the development of stone-setting processes introduced in ARTD 43A, focusing on setting non-round stones into jewelry and multiple stones on one piece. Use of burs continues, with the addition of gravers and files, allowing the cutting of seats that match square- or rectangular-stone profiles. Techniques such as stitches, simple pave, channel, and gypsy settings are covered.

Prerequisite(s): ARTD 43A (or ART 87A)

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 43C - Jewelry: Stone Setting III (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
Continued development beyond ARTD 43B with focus on refinement of designs, skills and techniques while setting multiple stones onto a piece of jewelry such as square triangular or round square or multiple tiny stones on one piece. Emphasis is on creating more personalized designs and building a cohesive body of work for portfolio, transfer, scholarships, exhibitions and/or marketing.

Prerequisite(s): ARTD 43B

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 44A - Metal Arts: Enameling I (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course explores basic methods for fusing glass to metal. Demonstrations cover appropriate designs for enameling, basic small metal fabrication techniques, and methods for applying enamel to metal by sifting, painting, and wet-packing. Emphasis is on personal creative expression. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 40A (or ART 84A)

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 44B - Metal Arts: Enameling II (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course is a continuation of Art-Dimensional 44A. It builds on the skills and design options of enameling. Focus is on the theory and application of enamels, such as cloisonne, champleve, plique-a-jour, basse-taille, screen printing, and limoge. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 44A (or ART 85A)

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 45 - Jewelry: Granulation and Fusing (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio
This course investigates the process of granulation and fusing metals together to create small works of metal art. Students learn the ancient art of granulation, fusing, and welding sheet and wire together through lectures, demonstrations, and hands-on practice.

Prerequisite(s): ARTD 40A (or ART 84A)

Advisory: Cabrillo College ART 8A or 26A; or equivalent at accredited college

Credit transferable: Transfers to CSU

Materials fee: \$40

ARTD 47A - Jewelry: Stone Lapidary Basics I (1.5 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 51 hours studio
This course explores essential techniques and practices used in lapidary. Course content includes semi-precious stone identification, cutting, grinding, shaping, polishing, and finishing techniques. Emphasis is on the process of cutting, shaping, and finishing common lapidary shapes.

Advisory: ARTD 40A (or ART 84A)

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 47B - Jewelry: Stone Lapidary Basics II (1.5 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 51 hours studio
This course explores stone cutting beyond the introductory-level lapidary course. Students create original cuts and unique shapes using semi-precious stones. Emphasis is on innovative and intricate designs for cutting, shaping, forming, grinding, and polishing. Projects may include unusual cut cabochons, stone lamination, inlay, gemstone bottles, and sculptural forming and shaping.

Prerequisite(s): ARTD 47A (or ART 86A)

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 48 - The Art of Tinsmithing (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio

This course covers the art of tinsmithing by studying Mexican and New Mexican tinsmithing as well as contemporary tin works. Create tin works by incorporating recycled tin with images into jewelry, wall pieces, boxes, small sculptural forms, etc. Demonstrations cover working with recycled tin. Portions of instruction may be offered online; may also be offered fully online.

Credit transferable: Transfers to CSU

Materials fee: \$30

ARTD 53 - Jewelry Mechanisms (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio

This course focuses on fabricating handmade jewelry mechanisms. Through demonstrations, examples, and hands-on work, students learn to develop and construct a variety of findings, clasps, and catches important to designing one-of-a-kind jewelry and metal arts projects. Portions of instruction may be offered online; may also be offered fully online.

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 55 - Jewelry: Chain and Ring Making (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio

This course focuses on the design and creation of classical and original chains and rings. Projects include a variation of soldered and unsoldered chains and rings. Through demonstrations, examples, and hands-on practice, students learn to construct a variety of chains and rings. Portions of instruction may be offered online; may also be offered fully online.

Advisory: ARTD 40A (or ART 84A)

Credit transferable: Transfers to CSU

Materials fee: \$35

ARTD 57 - Jewelry: Soldering (3 units)

Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 102 hours studio

This course offers a concentrated study of basic soldering techniques, skills, and tools necessary for jewelry making. Projects may include simple constructions of rings, chains, pendants, beads and pins. Course structure consist of demonstrations, visuals and hands-on practice. Problem-solving occurs through analysis and discussion of soldering results. Portions of instruction may be offered online; may also be offered fully online.

Prerequisite(s): ARTD 40A (or ART 84A)

Credit transferable: Transfers to CSU

Materials fee: \$35