

# AME - ART: METALSMITHING

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## **AME 2600 Introduction to Jewelry and Metalsmithing Cr. 3**

Basic skills: sawing, filing, drilling, sanding, polishing, creating textures on metal, riveting, soldering, and bezel setting of stones. Creation of jewelry and small functional objects. Offered Every Term.

**Fees:** \$75

## **AME 2650 Blacksmithing I Cr. 3**

This course is an introduction to blacksmithing skills and techniques. The history of blacksmithing and its contemporary practices will be covered as a way to understand different time periods and varying cultural approaches. Hands on applications and material usage will be covered to create objects, tools and artworks dependent on forging. Offered Every Other Year.

**Fees:** \$75

## **AME 3600 Intermediate Jewelry I Cr. 3**

Lost-wax casting and mold-making. Creating, preparing and casting into metal of wax models. Vulcanized rubber mold-making. Commercial jewelry techniques. Offered Every Term.

**Prerequisites:** AME 2600

**Fees:** \$90

## **AME 3601 Intermediate Jewelry II Cr. 3**

Advanced metal fabrication and surface treatment. Topics include: digital fabrication, laser welding, induction casting, stone setting techniques, acid etching, granulation, keum boo, patination, hinge mechanisms and more complex soldering techniques. Offered Fall, Winter.

**Prerequisites:** AME 3600

**Fees:** \$90

## **AME 3650 Blacksmithing II Cr. 3**

This course is intended for students who have already acquired basic blacksmithing skills for ferrous and non-ferrous metals. Using complex hand-skill techniques and applications of mechanical tooling to achieve predictable results, students will develop stronger visual literacy of blacksmithing of both its contemporary extensions of utility and conceptual work. Through exploring innovation in culture and its material usage for ornamentation, an ethos will be stressed. Tool creation and use through hot forging, forge welding, layering material, riveting and basic joinery will be emphasized. Offered Every Other Fall.

**Prerequisite:** AME 2650

**Fees:** \$90

**Repeatable for 6 Credits**

## **AME 4600 Metalsmithing I Cr. 3**

Utilizing plastic qualities of metal to generate high relief forms. Techniques include: raising and sinking, anticlastic and synclastic raising, nonferrous and ferrous forging. How metals may be stretched to create forms with a high degree of volume. Offered Fall, Winter.

**Prerequisites:** AME 2600

**Fees:** \$90

**Repeatable for 6 Credits**

## **AME 4601 Metalsmithing II Cr. 3**

Utilizing plastic qualities of metal to generate high relief forms. Techniques include: raising and sinking, anticlastic and synclastic raising, nonferrous and ferrous forging. How metals may be stretched to create forms with a high degree of volume. Offered Fall, Winter.

**Prerequisites:** AME 4600

**Fees:** \$90

**Repeatable for 6 Credits**

## **AME 4650 Blacksmithing III Cr. 3**

Builds upon technical and conceptual extensions of blacksmithing for commission work, art installations, decorative ornamentation and creative forms using ferrous and non-ferrous metals. Advanced blacksmithing processes will be emphasized through the use of a diverse cross-section of skills ranging from hand work, machine production and the use of digital applications. Processes and equipment learned include: CNC plasma cutter, laser cutters for creation of dies, milling machines, lathes, CNC milling, use of dies for hot forming with a hydraulic press and power hammer. Offered Every Other Winter.

**Prerequisite:** AME 2600 and AME 2650

**Fees:** \$90

**Repeatable for 9 Credits**

## **AME 5600 Advanced Jewelry and Metalsmithing Cr. 3**

Intellectual and conceptual nature of student's artwork; discussion and analysis. Methods of criticism. Offered Fall, Winter.

**Prerequisites:** AME 3601

**Fees:** \$90

**Repeatable for 6 Credits**

## **AME 5860 Directed Projects: Metalsmithing Cr. 3-6**

Individual problems. Offered Fall, Winter.

**Repeatable for 21 Credits**

## **AME 7600 Graduate Study in Metal Arts Cr. 3**

Individual problems. Directed study and project development in metal arts. Offered Fall, Winter.

**Prerequisites:** AME 5600

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in a Master of Arts or Master of Fine Arts degrees; enrollment is limited to students in the Department of Art, Art History, and Design.

**Fees:** \$90

**Repeatable for 9 Credits**

## **AME 8860 MFA Studio: Metal Arts Cr. 6-9**

Extended problems in metalsmithing; individual research with eighteen to twenty-seven hours of laboratory per week. Offered Fall, Winter.

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in a Master of Fine Arts degree; enrollment is limited to students in the Department of Art, Art History, and Design.

**Repeatable for 36 Credits**