



**Professional Arts and Crafts: Sculpture  
 Credential: Associate in Applied Science Degree  
 in Professional Arts and Crafts: Sculpture  
 A3029000**

This curriculum is designed to prepare individuals to become professional craftsmen and entrepreneurs in the areas of clay and metal sculpture. Course work concentrates on the development of skills in each area of craftsmanship. Emphasis is placed on hands-on training and the design skills needed to aid students in personalizing their own work.

Graduates will be able to open and operate their own professional craft studio, work for an existing professional craftsman, or obtain employment in craft retail sales.

Program Length: 5 Semesters  
 Career Pathway Options: Associate of Applied Science in Arts and Crafts: Sculpture  
 Program Sites: Siler City – Day, Evening

**Course Requirements for Professional Arts and Crafts: Sculpture**

<b>A. General Education Courses (16 SHC)</b>	<b>C-L-SHC</b>
*ENG 111 Expository Writing	3-0-3
ENG 111A Expository Writing Lab	0-2-1
**ENG 114 Professional Research and Reporting	3-0-3
***MAT 140 Survey of Mathematics	3-0-3
Humanities Elective	3-0-3
Social Science Elective	3-0-3

\*Students may substitute ENG 110 (nontransferable).  
 \*\*Students may substitute ENG 116 (nontransferable).  
 \*\*\*Students may substitute MAT 115 (nontransferable).

<b>B. Required Major Core Courses (22 SHC)</b>	
PCC 110 Introduction to Pottery	3-15-8
PCD 110 Introduction to Craft Design	1-3-2
PCS 110 Introduction to Metal Sculpture	2-9-5
PCS 112 Beginning Welding for Artists	1-4-3
PCS 210 Introduction to Clay Sculpture	1-9-4

<b>C. Other Major Hours (36 SHC)</b>	
BUS 280 REAL Small Business	4-0-4
CIS 111 Basic PC Literacy	1-2-2
PCC 111 Functional Pottery I	3-15-8
PCC 116 Pottery Tool Making	1-3-2
PCC 119 Clay Design: Special Study	0-4-2
PCC 125 Clay Casting	1-3-2
PCC 132 Glaze Formulation	1-3-2
PCC 241 Kiln Design/Construction	1-3-2
PCD 111 Advanced Craft Design	1-3-2
PCD 211 Product Craft Design	1-3-2
PCS 114 Advanced Metal Sculpture	2-9-5
Technical Elective	3

<b>Technical Elective Course Listing (Select 3 SHC)</b>		
COE 111	Co-op Work Experience I	0-10-1
	OR	
COE 112	Co-op Work Experience I	0-20-2
PCC 112	History of Pottery	1-0-1
PCC 113	Contemporary Pottery	1-0-1
PCC 118	Clay: Special Study	0-4-2

Total Semester Hours Credit Required for Graduation: 74

**Semester Curriculum for Professional Arts and Crafts: Sculpture Degree**

<b>1st Semester (Fall)</b>		<b>C-L-SHC</b>
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
CIS 111	Basic PC Literacy	1-2-2
PCC 110	Introduction to Pottery	3-15-8
PCD 110	Introduction to Craft Design	1-3-2
PCS 112	Beginning Welding for Artists	<u>1-4-3</u>
		9-26-19

<b>2nd Semester (Spring)</b>		
PCC 111	Functional Pottery I	3-15-8
PCC 125	Clay Casting	1-3-2
PCC 132	Glaze Formulation	1-3-2
PCD 111	Advanced Craft Design	1-3-2
	Humanities elective	<u>3-0-3</u>
		9-24-17

<b>3rd Semester (Summer)</b>		
Select 3 SHC from the following		
COE 111	Co-op Work Experience I	0-10-1
	OR	
COE 112	Co-op Work Experience I	0-20-2
PCC 112	History of Pottery	1-0-1
PCC 113	Contemporary Pottery	1-0-1
PCC 118	Clay: Special Study	<u>0-4-2</u>
		2-14/24-5/6

<b>4th Semester (Fall)</b>		
PCC 241	Kiln Design/Construction	1-3-2
PCD 211	Product Craft Design	1-3-2
PCS 110	Introduction to Metal Sculpture	2-9-5
PCS 210	Introduction to Clay Sculpture	1-9-4
	Social Science Elective	<u>3-0-3</u>
		8-24-16

<b>5th Semester (Spring)</b>		
BUS 280	REAL Small Business	4-0-4
ENG 114	Professional Research and Reporting	3-0-3
MAT 140	Survey of Mathematics	3-0-3
PCC 116	Pottery Tool Making	1-3-2
PCC 119	Clay Design: Special Study	0-4-2
PCS 114	Advanced Metal Sculpture	<u>2-9-5</u>
		13-16-19

Total Semester Hours Credit: 74

**COURSE DESCRIPTIONS**

**BUS 280 REAL Small Business** 4-0-4  
 This course introduces hands-on techniques and procedures for planning and opening a small business, including the personal qualities needed for entrepreneurship. Emphasis is placed on market research, finance, time management, and day-to-day activities of owning/operating a small business. Upon completion, students should be able to write and implement a viable business plan and seek funding.

**CIS 111 Basic PC Literacy** 1-2-2

This course provides an overview of computer concepts. Emphasis is placed on the use of personal computers and software applications for personal and fundamental workplace use. Upon completion, students should be able to demonstrate basic personal computer skills.

**COE 111 Co-op Work Experience I** 0-10-1

Prerequisite: Approval of Instructor or Department Chairperson  
This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

**COE 112 Co-op Work Experience I** 0-20-2

Prerequisite: Approval of Instructor or Department Chairperson  
This course provides work experience with a college approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

**ENG 111 Expository Writing** 3-0-3

Prerequisites: RED 090 and ENG 090 or appropriate placement test scores

Corequisites: ENG 111A

This course is the required first course in a series of two designed to develop the ability to produce clear expository prose. Emphasis is placed on the writing process including audience analysis, topic selection, thesis support and development, editing, and revision. Upon completion, students should be able to produce unified, coherent, well-developed essays using standard written English. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in English composition.*

**ENG 111A Expository Writing Lab** 0-2-1

Prerequisites: RED 090 and ENG 090 or appropriate placement test scores

Corequisites: ENG 111

This writing laboratory is designed to apply the skills introduced in ENG 111. Emphasis is placed on the editing and revision components of the writing process. Upon completion, students should be able to apply those skills in the production of final drafts in ENG 111. The computer is used as a writing and design tool for this course.

**ENG 114 Prof. Research and Reporting** 3-0-3

Prerequisites: ENG 111

This course, the second in a series of two, is designed to teach professional communication skills. Emphasis is placed on research, listening, critical reading and thinking, analysis, interpretation, and design used in oral and written presentations. Upon completion, students should be able to work individually and collaboratively to produce well-designed business and professional written and oral presentations. The computer is used as a writing and design tool for this course. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in English composition.*

**MAT 140 Survey of Mathematics** 3-0-3

Prerequisites: MAT 070, MAT 080, MAT 120, MAT 121, MAT 161, MAT 171, or MAT 175 or appropriate placement test scores

This course provides an introduction in a non-technical setting to selected topics in mathematics. Topics may include, but are not limited to, sets, logic, probability, statistics, matrices, mathematical systems, geometry, topology, mathematics of finance, and modeling. Upon completion, students should be able to understand a variety of mathematical applications, think logically, and be able to work collaboratively and independently. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

**PCC 110 Introduction to Pottery** 3-15-8

This course introduces pottery making for potters, including clay preparation, wheel throwing and trimming, surface decoration, and glazing and firing techniques. Topics include clay bodies, and the mixing process, potter's wheel basics, glazing, kiln loading and firing, and safety issues. Upon completion, students should be able to prepare clay; center and throw basic forms; trim, mix, and apply basic glazes; and load and fire bisque kilns.

**PCC 111 Functional Pottery I** 3-15-8

This course covers the important elements of designing and producing utilitarian pottery, including wall thickness, balance and proportion, surface decoration, and glazing and firing techniques. Topics include bowls, mugs, plates, casseroles, stemware, and bottles, with emphasis on safe glazing and supervised firing. Upon completion, students should be able to produce a variety of functional pots, apply a glaze, and load and assist firing a kiln.

**PCC 112 History of Pottery** 1-0-1

This course examines the historical development of ceramics and the contributions made by specific cultures or countries. Topics include potters from early societies, including the Mediterranean countries, China, Cyprus, and Crete with emphasis on design, technique, and firing methods. Upon completion, students should be able to identify numerous historical pottery types, discuss the societies, which produced them, and demonstrate knowledge of their production methods.

**PCC 113 Contemporary Pottery** 1-0-1

This course surveys numerous 19th- and 20th-century potters and artists who have contributed to the contemporary ceramics movement. Topics include artists such as Leach, Cardew, and Hamada and the important design and technical contributions these potters have made to the ceramics movement. Upon completion, students should be able to identify numerous contemporary potters and their work.

**PCC 116 Pottery Tool Making** 1-3-2

This course covers design concepts and construction techniques for building simple personal studio equipment, including wedging tables, extruders, and kiln furniture. Emphasis is placed on skills and safe use of hand tools, design fundamentals, selection of needed materials, and construction methods. Upon completion, students should be able to identify appropriate projects, select materials and tools, obtain materials, and construct several small and one major project.

**PCC 118 Clay: Special Study** 0-4-2

This course provides a format in which to explore personal interests in clay with instructor supervision. Emphasis is placed on student proposals and student-instructor-developed contractual agreements specifying goals, deadlines, and evaluation criteria. Upon completion, students should be able to complete clay works as specified in student-instructor-designed contractual agreements.

**PCC 119 Clay Design: Spec Study** 0-4-2

This course provides a format in which to explore personal interests in clay design with instructor supervision. Emphasis is placed on student proposals and student-instructor-developed contractual agreements specifying goals, deadlines, and evaluation criteria. Upon completion, students should be able to complete clay design projects as specified in student-instructor-designed contractual agreements.

**PCC 125 Clay Casting** 1-3-2

*Prerequisites: PCC 110*

This course introduces the different ways of shaping ceramic items, leading to the use of plaster molds and process of "slipcasting." Topics include model and mold-making, block and case mastermold, gypsum, resins, clay selection, mineral additives, flocculation, thixotropy, deflocculation, rheology, specific gravity, and casting rates. Upon completion, students should be able to cast in molds, remove, de-seam and clean greenware, maintain molds, and layout studios.

**PCC 132 Glaze Formulation** 1-3-2

This course provides an in-depth study of glazes used on pottery. Emphasis is placed on performing glaze tests, analyzing glazes, mixing a variety of glazes, and correcting glaze faults. Upon completion, students should be able to demonstrate an understanding of glaze chemical qualities and formulate new glazes.

**PCC 241 Kiln Design/Construction** 1-3-2

This course covers basic concepts of kiln design and construction. Topics include construction materials, heat sources, kiln furniture, and site selection. Upon completion, students should be able to design and construct a kiln prototype.

**PCD 110 Introduction to Craft Design** 1-3-2

This course introduces the basic principles, elements, vocabulary, and process of two-dimensional design within the context of professionally produced crafts. Emphasis is placed on general design concepts and vocabulary, conceptual thinking, design process application, and observational skills. Upon completion, students should be able to demonstrate enhanced observational skills and a working knowledge of design vocabulary, concepts, and processes.

**PCD 111 Advanced Craft Design** 1-3-2

*Prerequisites: PCD 110*

This course explores the conceptual process of design as applied to the three-dimensional form. Emphasis is placed on solving three-dimensional design problems which are material, function, site, or client specific. Upon completion, students should be able to apply an enhanced understanding of the relationship between design concept, process, and product in three-dimensional form.

**PCD 211 Prof Craft Design** 1-3-2

*Prerequisites: PCD 110*

This course covers the development of customer- or site-influenced design and the development and design of craft marketing promotional materials. Topics include customer-guided, site-specific, and other design influences and development and design of logos, hang tags, web sites, brochures, and related promotional materials. Upon completion, students should be able to design within site, customer, or other limitations and complete a design package for their personal marketing needs.

**PCS 110 Introduction to Metal Sculpture** 2-9-5

*Prerequisites: PCS 112*

This course introduces the process and design of metal sculpture for the craftsman. Topics include design of metal sculpture, their layout, construction, finishing, and studio safety. Upon completion, students should be able to demonstrate the ability to design and construct metal sculptures.

**PCS 112 Beginning Welding for Artists** 1-4-3

This course is an introduction to the proper equipment and tools of the metal shop and welding methods for the artist. Topics include welding, cutting, forging, fabricating and finishing, and studio safety. Upon completion, students will be able to demonstrate efficient and safe use of metal shop tools and equipment.

**PCS 114 Advanced Metal Sculpture** 2-9-5

*Prerequisite: PCS 110*

This course is designed to introduce advanced techniques of metal sculpture. Topics include forging, fabricating, and casting, with emphasis placed on the design and construction of artistic sculpture. Upon completion, students will demonstrate advanced skills in the techniques of welding, forging, and casting metal sculpture.

**PCS 210 Introduction to Clay Sculpture** 1-9-4

*Prerequisites: PCC 110*

This course introduces the techniques of sculpture, including figures, animals, and portraits, and the tools and equipment needed. Topics include the artistic concepts of form, rhythm, flow, movement, color and its relation to light. Upon completion, students should be able to form well-designed sculptures demonstrating the artistic concepts as applied to decorative ceramics.