

students who wish to enter a 2-year Associate of Science degree program or a 4-year Bachelor of Science degree program in Respiratory Care. Admission requirements vary among professional respiratory care programs. Not all professional programs accept transfer credits. Therefore, as soon as possible, interested students should contact the programs of choice for the most current prerequisite requirements. A list of accredited respiratory care programs may be obtained from the American Association for Respiratory Care, 11030 Ables Lane, Dallas, TX 75229 (phone 972-243-2272 and ask for the Education Department) or explore the web at http://www.aarc.org/patient_resources/schools.html.

Loma Linda University: Interested students may complete the prerequisites for Loma Linda University's Respiratory Care Education Program while attending Andrews University. Check with the above listed coordinator for the required course work. The Pre-LLU/RC student may then apply and transfer to LLU through its selective admissions process as a second-year student in their program.

ART AND DESIGN

Art and Design Center, Room 111

(269) 471-3279

<http://www.andrews.edu/art>

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Academic Programs	Credits
BFA: Graphic Design	80
BFA: Visual Art	
Ceramics	80
Painting	80
Photography	80
Pre-Art Therapy	80
Printmaking	80
BA: Art	
Art History	40
Pre-Art Therapy	43
Visual Art	40
BS: Visual Arts Education	53
Minor in Art History	20
Minor in Graphic Design	23
Minor in Visual Art	24

It is the mission of the Department of Art and Design to develop our God-given creative gifts in order to integrate our personal, spiritual and professional lives.

Undergraduate Programs

Bachelor of Fine Arts (BFA)

The Bachelor of Fine Arts degree is recommended for students planning to enter one of the visual art professions and/or to do graduate work in visual art or art therapy. The studio-oriented BFA program requires 80 credits of visual art and art history courses plus the General Education courses. Central to the BFA curriculum is 28 credits of advanced design or visual art in a single emphasis. The process for entering a BFA program is two-fold. First, students are accepted into the BA degree program of the Department of Art and Design. Upon completion of the introductory-level courses and successful BFA review (no later than the end of their sophomore year), students can be accepted into the BFA program. The BFA requirement includes the successful completion of a senior exhibition and a portfolio of the student's work given to the Department of Art and Design.

Each of the BFA degree emphases has a 3-part curriculum: (1) Art History; (2) Visual Art Foundation; and (3) Advanced Visual Art. Additional cognates along with the General Education requirements complete the specifications for graduation for the BFA degrees.

BFA 9-credit Complementary Area Requirement: BFA students must take courses beyond the introductory level in an area(s) which complement(s) their chosen media emphasis. For example, if the 28-credit emphasis is ceramics (3-dimensional), then the complementary area may be painting and/or printmaking (2-dimensional); and conversely, if the 28-credit emphasis is painting (2-D), then the complementary area may be sculpture and/or ceramics (3-D). The photography emphasis may allow 8 credits of graphic design (ART214 and 414) to be substituted to meet the complementary area requirement. The Graphic Design complementary area is shaped with the student's advisor and may include such areas as computer graphics, photographic arts, marketing, and communication.

BFA: Graphic Design—80

Graphic design is recommended for those wishing to combine the study of art and design with the opportunity to explore more extensively computer graphics environments as a medium for visual communication and/or personal artistic expression.

The degree prepares students to enter one of the computer-based visual communication-oriented professions educated as an artist or designer/visual communicator, or to enter graduate studies in electronic visualization.

Computer Policy. The Department of Art and Design regards the computer as a tool integral to the success of the graphic designer in their professional development. Graphic design students are required to purchase a laptop computer and software meeting the department guidelines. Because computer technology is continually changing, a revised policy is drafted in the fall semester, outlining the specific requirements for each year. Laptop purchases should be made by mid-fall semester of the student's sophomore year. Use of the computer in design curriculum varies by course. Fees are assessed per class and for the use of the computer lab.

Art History—9

ARTH235, 236, 440

Visual Art Foundation—21

ART104, 106, 116, 118, 207; PHTO115

Digital Media Foundation—8

DGME175; PHTO365

Advanced Graphic Design—42

ART214, 310, 414 (16 credits), 495 Senior Exhibition and Slide Portfolio, 3 credits. Electives, 17 credits chosen in consultation with advisor from the following areas; DGME, ART, ARTH, PHTO, COMM, MKTG, JOUR.

BFA: Visual Art—80

The following three course groups are common to all BFA Visual Art and Pre-Art Therapy emphases.

Art History Foundation—14

ARTH235, 236, 440, plus one elective in art history (3 hours)

Choose one course from:

ARCH390 Islamic Art & Architecture (3)

ARCH390 Ancient Americas' Art & Architecture (3)

ARCH390 Far Eastern Art & Architecture (3)

Visual Art Foundation—24

2-D courses: ART104, 106, 116, 207 and PHTO115;

3-D courses: ART107, 118.

Advanced Visual Art—42

ART304, 495 Senior Exhibition and Slide Portfolio, 1 credit; advanced work in one 2-D or 3-D emphasis (29 credits in one: ceramics, painting, photography or printmaking); complementary 2-D or 3-D emphasis (total of 9 credits).

Ceramics Emphasis (3-D)—80

Recommended for those pursuing studio pottery as a profession and who are comfortable working with ideas of aesthetic form, personal experimentation, technical production, and utilitarian purpose. Students work with a variety of traditional and state-of-the-art equipment and methods to gain a broad understanding of clay forming, glazing, and firing techniques necessary for the development of a personal focus. Early emphasis is placed on the mastery of ceramic craft and the development of regular and productive studio habits. Later, emphasis is placed on the development of a personal direction, senior exhibition, and portfolio. For the BFA degree in ceramics, students register for 28 credits of ART307 and 9 credits of complementary 2-D course work.

Painting Emphasis (2-D)—80

Recommended primarily for those planning to enter graduate school. Emphasis is on developing perceptions of form and color, a strong sense of 2-D design, awareness of the visual world as subject matter for aesthetic and intellectual response, the work habits necessary to turn feelings and ideas into satisfying compositions, and an eventual personal focus for purposes of a senior exhibition and portfolio. For their advanced work, students register for 28 credits of ART305 and 9 credits of complementary 3-D course work.

Photography Emphasis (2-D)—80

Recommended for those preparing for professions that require people with well-developed perceptual skills who are comfortable working with complex equipment and changing technologies. Photography students are expected to develop a creative, experimental, and artistic approach to their work, regular and productive work habits, and eventually a personal focus that leads to a senior exhibition and portfolio. The BFA requires the following course work, including 9 credits of advanced work in a complementary 2-D or 3-D studio art medium (available in ceramics, graphic design, painting, and printmaking).

Art History/Theory—14

ARTH235, 236, 440 and electives from PHTO210, or 300.

Choose one course from:

ARCH390 Islamic Art & Architecture (3)

ARCH390 Ancient Americas' Art & Architecture (3)

ARCH390 Far Eastern Art & Architecture (3)

Visual Art and Photography Foundation—24

ART104, 106, 107, 116, 118, 207; PHTO115.

Advanced Visual Art and Photography—42

ART304, 495 Senior Exhibition and Slide Portfolio 1 credit, and complementary visual art courses up to 9 credits; 29 credits advanced PHTO courses in consultation with advisor.

Cognate: JOUR375 Photojournalism

Pre-Art Therapy Emphasis—80

Recommended for those planning to do graduate work in art therapy and to enter that profession. May require credits beyond the normal college load. In addition to fulfilling the BFA degree requirements, students should also take PSYC101, 251, 252, 454, 460.

Printmaking Emphasis (2-D)—80

Recommended for those planning for professions that require people who are comfortable working with ideas of aesthetic form, personal experimentation, technological production, and utilitarian purpose. Students work with traditional and contemporary graphics/printmaking processes that result in the production of multiple works which are personal, aesthetic, and/or functional in purpose. Emphasizes the student's development of regular and productive studio work habits and a personal focus which leads to a senior exhibition and portfolio. For their advanced work, students register for 28 credits of ART306 Printmaking and 9 credits of complementary 3-D course work.

BA: Art—40

The BA: Art is a liberal arts degree that relates broad intellectual knowledge to material, spiritual, and emotional awareness. The degree requires 40 credits in visual art and art history courses, a minor in a non-art second area, and the General Education requirements including a foreign language. Each of the BA emphases listed below require the following art history courses:

Art History Foundation—9

ARTH235, 236, 440.

Art History Emphasis—40

Recommended for those planning to do graduate work in the humanities or enter professions that require a broad overview of visual culture. Students study art history as a field of inquiry into the stylistic, sociological and symbolic intentions of chiefly public works of art from a variety of cultures. In addition to the 9 credits of art history foundation courses listed above, the following courses are also required:

ARTH220; Electives in Art History (17 credits) 6 credits chosen from ARTH328, 329, 450, and ART380; 9 credits chosen from ARCH315, 316, 390 Islamic Art & Architecture, ARCH390 Ancient Americas' Art & Architecture, ARCH390 Far Eastern Art & Architecture, PHTO210, or HORT350; and 5 credits chosen from 2-D Visual Art; 3-D Visual Art.

Required cognate: PHIL320 Critical Thinking (3 credits)

Pre-Art Therapy Emphasis—43

Pre-art therapy students take the visual art foundation and advanced visual art component from the visual art emphasis listed below (40 credits) and 3 credits of ART 380 Topics is required—topics which relate to the study or practice of art therapy. A minor in Behavioral Sciences is required, including PSYC101, 251, 252, 454, 460.

Visual Art Emphasis—40

Recommended for those planning to enter professions that require skilled eye-hand coordination, sensitive workmanship, and well-developed perceptual and conceptual skills. In addition to the 9 credits of art history listed above, the following 31 credits of visual art (24 credits foundation and 7 credits advanced):

Visual Art Foundation—24

2-D Courses: ART104, 106, 116, 207; PHTO115.

3-D Courses: ART107, 118.

Advanced Visual Art—7

Selected in consultation with the advisor from advanced drawing, painting, printmaking, and ceramics courses.

BS: Visual Arts Education—53**Secondary (K-12)**

(No minor required)

This degree, offered in cooperation with the Department of Teaching and Learning, prepares students to teach art on both the elementary and secondary levels. The Visual Arts Education degree is a K-12 endorsement for secondary certificates. This degree should only be taken by those seeking teacher certification. Majors must complete the requirements for denominational and/or Michigan state teacher certification through the School of Education. The BS in Visual Arts Education requirement includes the successful completion of a senior exhibition and a portfolio of the student's work given to the Department of Art & Design.

Art History—12

ARTH235, 236, 440.

Choose one course from:

ARCH390 Islamic Art & Architecture (3)

ARCH390 Ancient Americas' Art & Architecture (3)

ARCH390 Far Eastern Art & Architecture (3)

Art Methods—12

ART457 Art Methods: Elementary (4)

ART459 Art Methods: Secondary (4)

EDTE448 (4)

Visual Art Foundation—20

ART104, 106, 107, 116, 118, 207.

Senior Exhibition—1

ART495 (Senior Exhibition)

Advanced Visual Art Requirements—8

In consultation with the advisor, choose 8 elective credits in one studio area from the following: ART304, 305, 306, 307, 414.

Minor in Art History—20

Recommended for students of literature, history, and sociology as a complementary area of study. Art history examines the images created by various cultures and social groups and provides an alternative way for students to understand the conventions, concepts, attitudes, and values that produced them.

Required courses: ARTH220, 235, 236, 440, and 6 elective credits in Art History chosen from ARTH328, 329, 380, and ARCH315, 316, 360, 434.

Choose one course from:

ARCH390 Islamic Art & Architecture (3)

ARCH390 Ancient Americas' Art & Architecture (3)

ARCH390 Far Eastern Art & Architecture (3)

Minor in Graphic Design—23

Recommended for students of communication, graphic arts, marketing, and architectural and landscape studies. Graphic Design is concerned with producing effective visual communication.

Required courses: ART104, 207, 214, 310, 414; ARTH220; DGME175.

Minor in Visual Art—24

Recommended but not limited to students of education, technology, the humanities, and the design areas.

Required courses: ART104, 106, 107, 116, 118, 207; ARTH220.

Courses

(Credits)

See inside front cover for symbol code.

ART HISTORY, THEORY, AND ISSUES

ARTH220 \$ (3)
Language of Art

Presents the elements of visual language and studies them in relationship to images of famous paintings, sculptures, and contemporary advertisements. Does not duplicate an art history course.

ARTH235 \$ (3)
Prehistoric to Medieval Art

Examines the ancient images of non-Western and Western cultures as they are manifested in famous works of art and architecture.

ARTH236 \$ (3)
Renaissance to Modern Art

A survey of selected Western and non-Western artists, techniques, and cultural eras from 1300 to 1945.

ARTH328 \$ (3)
Artists of the Renaissance

A chronology and analysis of Italian masters from Giotto to Raphael, and northern masters from VanEyck to Rembrandt. A study of the importance of social and cultural influences impacting these artists and the contributions made through their art.

ARTH329 \$ (3)
Nineteenth Century and Impressionism

A chronological study of the major artists influencing culture, primarily in France, from David to Cezanne in the movements of Neo-classicism, romanticism, realism, impressionism, and post-impressionism.

ARTH440 \$ (3)
Art Since 1945

A study of selected artists associated with post-WWII Western culture, the critical schools they are associated with, and the major influences upon their work.

ARTH450 \$ (1-6)
Art Study Tour

A pursuit of general cultural and artistic interests to be found abroad.

IDSC200 \$ (3)
Christ in Music and Art

Investigates religious themes in art and music inspired by the life of Christ. Principles for understanding and evaluating art and music from the Christian perspective are discussed. Credit not applicable toward a major or minor in Music or Art.

VISUAL ART

The department reserves the right to hold some student work until the termination of the Spring student show. Students leaving the campus at the end of the semester must take their work with them. Because of minimal storage space, work and supplies remaining in the department after the close of the Spring semester are removed and discarded.

ART104 \$ (3)
Introduction to Drawing

Drawing the human figure, still-life objects, and architecture to

facilitate the development of observational and expressive skills. Basic drawing approaches, methods, tools, media, and systems of perspective are explored.

ART106 \$ (3)
Introduction to Printmaking

Explores methods such as woodcut, linoleum cut, etching and engraving, lithography, and screen-printing.

ART107 \$ (3)
Introduction to Ceramics

Emphasis on pottery and vessel creation. Explores aspects of clay preparation, hand forming, wheel techniques, and glaze application, with raku and stoneware firing techniques.

ART116 (4)
Introduction to Painting and Color

An introduction to solving picture problems such as composition, color relationships and appropriate subject matter. A hands on study of the phenomenon of color relationships and color mixing.

ART118 Alt \$ (4)
Introduction to Sculpture and 3-D Design

An introduction to the principles of three dimensional design and sculpture media. Introduces students to a variety of tools and materials which help to develop 3-D expression.

ART207 \$ (2, 3)
Basic Design I

A study of the elements and organizational principles of 2-dimensional design. Art and Design majors need 3 credits. Technology majors must take 2 credits concurrently with DGME130.

ART214 \$ (3)
Introduction to Graphic Design

A transition from design theory to design application as it relates to visual communication. A series of projects develops basic skills and familiarity with design process and the graphic design profession. Prerequisite: ART207.

ART304 \$ (2-6)
Drawing

Students use many media and concentrate on individual methods of expression through drawing. Repeatable. Prerequisite: ART104.

ART305 \$ (2-6)
Painting

Supervised independent study leading toward an artistic style with exploration in a selected area chosen from landscape, figure study, portraiture, abstract, and the newer innovations in the field of painting. Repeatable. Prerequisite: ART116.

ART306 \$ (2-6)
Printmaking

One of the major methods (relief, planographic, intaglio, stencil) may be selected for semester-long exploration. Anything over 3 credits in one semester needs permission of instructor. Repeatable. Prerequisite: ART106.

ART307 \$ (2-6)
Ceramics

An exploration of an area of ceramic practice. Topics may include production pottery, electric kiln ceramics, clay and glazes, wood-firing, raku, creating large pots, throwing and altering. Repeatable. Prerequisite: ART107.

ART308 § (2-6)
Sculpture
 The expressive use of a range of materials through the skills of modeling, carving, and construction. Usually one medium is studied during the semester. Repeatable. Prerequisite: ART118.

ART 310 § (3)
Typography
 An exploration of typographic structures terminology, methods, and visual problem solving. This studio course addresses typographic design as a practical form of visual communication.

ART380 (1-3)
Topics in Art
 Courses cover specific topic areas in Art and Art History such as: African Arts, Asian Arts, Post-Modernism, and Modernism. Studio courses are also eligible.

ART414 § (4)
Design for Visual Communications
 A term-long series dealing with Interactive Screen Design, Publication Design, Advertising and Packaging Design, Corporate Identity, and Environmental Graphics. Gives students practical experience in graphic design and computer applications. Repeatable. Prerequisites: ART207, 214. *Fall, Spring*

ART457 ◆ (4)
Art Methods: Elementary
 Covers the process of teaching creativity and artistic expression to students at the elementary level. The focus is on understanding the developmental levels of creativity in children. Art is also integrated in the rest of the curriculum. Art projects are part of this course.

ART459 ◆ (4)
Art Methods: Secondary
 Deals with teaching creativity and artistic expression to students at the secondary level. It covers the developmental levels of students and gives practical ideas for developing individual creativity. Project ideas are part of the course.

ART495 ◆ (1-4)
Independent Reading/Project
 Independent study or senior exhibition and portfolio creation. Repeatable. Requirements vary.

PHOTOGRAPHY

See course descriptions under Photographic Imaging on p. 215.

BEHAVIORAL SCIENCES

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 (269) 471-3152, FAX: (269) 471-3108
 bhsc-info@andrews.edu
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Faculty

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 Karl G. Bailey
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 Lionel N. A. Matthews
 Susan E. Murray
 Marciana Popescu, *Director of MSA program (on-campus)*
 Derrick L. Proctor
 Larry S. Ulery

Academic Programs	Credits
BS: Behavioral Sciences	39
Anthropology	40
Anthropological Archaeology Emphasis	39
International Community Development	38-39
Public Health	40
BS: Family Studies	39
Family and Consumer Sciences Emphasis	32
BA: Psychology	31
BS: Psychology	
Behavioral Neuroscience	68
General Program	40
Health Psychology	38-39
Pre-professional Program	40
BA: Sociology	30
BS: Sociology	
Deviant Behavior	38-39
Sociology of the Family	39
Minor in Anthropology	20
Minor in Behavioral Sciences	20
Minor in Behavioral Sciences (with teacher certification)	24
Minor in Family Studies	20
Minor in Geography and International Development	21
Minor in Psychology	20
Minor in Sociology	20
MSA	
Community and International Development	40
International Development (off-campus)	34

The Department of Behavioral Sciences is organized as a consortium where faculty share expertise and research endeavors in related disciplines. The behavioral sciences are concerned with the study of how human beings think and behave as individuals, and in sociocultural and ecological systems.

DEPARTMENT AIMS

This department aims (1) to introduce students to the salient discoveries and procedures accumulated from research in behavioral sciences disciplines and (2) to empower students to utilize