

CLSC463 (1)
 (was MTCH462)
Clinical Microscopy Practicum
 Professional health-care laboratory practicum. Emphasis in patient-care applications of body fluids. Prerequisite: CLSC452 and permission of Program Director.

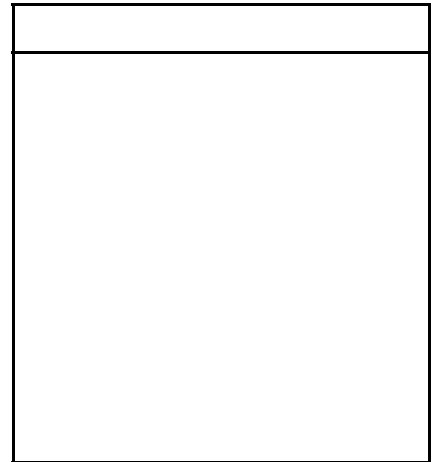
CLSC490 (1-4)
 (was MTCH440)
Topics in _____
 An in-depth study of selected topics in the clinical laboratory sciences. Repeatable in different specialized areas. Prerequisite: Permission of Program Director.

CLSC495 (1-4)
 (was MTCH495)
Independent Study/Readings/Research/Project
 Topics may be from areas relevant to clinical laboratory practice and must be approved by the Program Director. Repeatable in a different subject area. Independent readings earn S/U grades. Prerequisite: Permission of Program Director.

CLSC496 (1)
 (was MTCH496)
Extended Clinical Practicum
 A twelve-week professional health-care laboratory practicum. Emphasis in patient-care applications. Subject areas are to be coordinated with the Clinical Site Education Coordinator and the Program Director. Graded S/U. Prerequisite: successful completion of the twenty-week clinical practica of the Clinical-Year Program and permission of Program Director. CLSC501, 502(1) (was MTCH521, 522, 523)
Seminar in Clinical Laboratory Science
 Cooperative research into topics of current interest in the literature. Each quarter the student prepares a written and oral presentation based on current readings. Faculty and guest lectures also contribute to the seminar series. Admission by permission of Graduate Program Coordinator.

CLSC561 (3)
Laboratory Management Issues and Strategies
 The health care environment is rapidly changing, and will continue to change for the foreseeable future. In the clinical laboratory, ever changing government regulations and reimbursement policies require a laboratory manager to be flexible and adopt new skills. Issues faced by the manager and styles and strategies used to deal with these issues will be explored. Prerequisite: permission of Graduate Program Coordinator.

CLSC562 (3)
Issues in Clinical Laboratory Regulations and Practice



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-hour 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 27 hour emphasis is ceramics (3-dimensional), then the complementary area may be painting and/or printmaking (2-dimensional); and conversely, if the

work in one or a combination of the following media: ceramics, painting, printmaking, or photography.

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, 420, 440, and 6 elective hours in Art History chosen from, ARTH328, 329, 380, and ARCH315, 316.

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.

Required cognate: DGME180.

Minor in Visual Art—24

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

Required courses: ART104, 107, 116, 117, 118, 207; ARTH220.

Courses

See inside front cover for symbol code.

(Credits)

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.

ARTH420 ? (2)
Seminar in Contemporary Trends
A team taught seminar course investigating current trends in contemporary trends in contemporary art and art criticism. Recommended prerequisites: ARTH235, 236.

ARTH440 ? (3)
Art since 1945
A study of selected artists associated with post-war 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 quarter must take their work with them. Because of minimal storage space, work and supplies remaining in the department after the close of the Spring quarter 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.

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)
(merges ART105, most of ART300) 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.

ART117 \$ (4)
(merges ART106, part of ART314) Introduction to Printmaking and Illustration
Explores methods such as woodcut, linoleum cut, etching and engraving, lithography, and screen-printing. Emphasis on a personalized style of illustration using these same various techniques.

ART118 Alt \$ (4)
(merges ART108, most of ART208) 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 \$ (3)
Basic Design I
A study of the elements and organizational principles of 2-dimensional design.

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: ART 104.

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.

ART307 \$ (2-6)
Ceramics
An exploration of an area of ceramic practice. Topics may include production pottery, electric kiln ceramics, clay and glazes, woodfiring, 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 \$ (4)
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 (3)
Topics in Art
Courses cover specific topic areas in Art and Art History such as: African Arts, Asian Arts, Rendering, Post-Modernism and Modernism.

ART414 \$ (2-6)
Design for Visual Communications
A series dealing with Interactive Screen Design, Publication Design, Advertising and Packaging Design and Corporate Identity, and Environmental Graphics. Gives students practical experience in graphic design and computer applications. Prerequisites: ART207, 214. *Fall, Spring*

ART457 ? (3)
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**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**Independent Reading/Project**

Independent study or senior exhibition and portfolio creation. Repeatable. Requirements vary.

PHOTOGRAPHY

See course descriptions under Photographic Imaging on p. 150.

? (3)

BEHAVIORAL SCIENCES

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http://www.andrews.edu/BHSC

Faculty

Duane C. McBride, *Chair*
John M. Berecz
Sharon A. Gillespie
Herbert W. Helm
James H. Hopkins
Øystein S. LaBianca
Lionel N. A. Matthews
Sue E. Murray
Derrick L. Proctor
Larry S. Ulery
Kristopher P. Zygowiec

Academic Programs	Credits
BS: Behavioral Sciences	39
Anthropology	40
Anthropological Archaeology	39
Emphasis	
Public Health	40
Student Development	40
BS: Family Studies	39
Family Studies: Life Management	
Education Emphasis	33
BS: Psychology	
Pre-professional Program	40
General Program	40
Health Psychology	38-39
BS: Sociology	38-39
International Community	
Development	38-39
Deviant Behavior	38-39
Sociology of the Family	39
Minor in Anthropology	20
Minor in Behavior Sciences	20
Minor in Behavior Sciences	
(with teacher certification)	24
Minor in Family Studies	20
Minor in Geography	20
Minor in Psychology	20
Minor in Sociology	20
MSA - Post Graduate Degree	
International and Community	
Development	34
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 this knowledge in furthering the mission of Seventh-day Adventists: restoring men and women to the image of their Maker. The department

fulfills these aims by three principal means: (1) instruction by Christian professors; (2) course work which develops a strong liberal-arts foundation and interdisciplinary preparation leading to many different fields of Christian service; and (3) extracurricular participation by students in voluntary religious activities, community service, and research.

TEACHER CERTIFICATION

Students seeking teacher certification on the secondary level may enroll in the BS in Behavioral Sciences (Student Development Emphasis), the Behavioral Sciences minor in teacher certification, or the Sociology minor. Elementary certification is available only for the Behavioral Sciences minor in teacher certification. See the School of Education for full details.

MINORS, COGNATES, AND ELECTIVES

Majors should take advantage of the variety of undergraduate courses available at Andrews to acquire a broad education. Combining behavioral science courses with other areas such as business, health, and language provides avenues for reaching individual professional goals.

Students should counsel with advisers in selecting cognates and electives. Volunteer work is most beneficial and majors are urged to seek opportunities through the Community Service Assistantship Program (CSAP). Those planning to pursue graduate studies should seek opportunities in research.

RESEARCH SEQUENCE

It is strongly recommended that all BS majors take the Research Methods Sequence during their junior year.

Undergraduate Programs

BS: Behavioral Sciences—39

(27 credits must be selected from courses numbered 300 or above)

Core Courses—18

ANTH200 or SOCI119, BHSC220;
PSYC210, 450.; PSYC/SOCI432;
PSYC 469 or SOCI474.

Required General Education

PSYC101

The remaining credits are to be selected from at least two of the areas offered in the department or as specified in an area of emphasis below. Majors are required to take the major field test in either psychology or sociology. Those with specific vocational goals may wish to consider one of the following areas of emphasis:

Anthropology Emphasis—40

(27 credits must be selected from courses numbered 300 or above)

Core Courses—21

ANTH200; BHSC230, PSYC210,
PSYC/SOCI432; PSYC/SOCI433;
PSYC/SOCI434; PSYC450; PSYC469 or
SOCI474

Emphasis Courses—18

ANTH124, 205, 415, 417, 420, 496

Required General Education—6

BHSC235; PSYC101

Required Cognates

BIOL449, COMM436; ENGL440;