

Credits: 4. Prereq: CSTN 120, 122, 142, 143, 171. Introduction to building business and project management including overhead costs, payroll costs, estimating and scheduling. Covers elements of payroll computation and preparation, payroll tax returns, information returns, and identification and compensation of independent contractors. Students are introduced to building cost estimating, and scheduling of subcontractors and building inspections. This course includes a one-credit imbedded lab.

CSTN 278 - Applied Building Practices Lab

Credits: 6. Offered spring. Prereq., CSTN 102, 103, 120, 122, 142, 143. Students work on a variety of projects either at the college or in the community to practice and develop their skills as well as learn new skills. Knowing and following OSHA rules and regulations is emphasized. Students are expected to produce a professional quality product.

CSTN 279 - Commercial Construction

Credits: 4. Prereq. CSTN 171, 120, 122, 142, and 143. Study and develop skills in metal stud framing, commercial roofing systems, metal and masonry buildings, metal doors and door hardware, suspended ceilings, and fire rated commercial walls.

CSTN 282 - Green Bldg Concept & Design I

Credits: 4. Offered fall semester of the 2nd year. This course takes a holistic approach to natural resource conservation and energy efficiency in the construction industry. From integrated design, building site selection and evaluation, through building design, material selection and efficiencies, passive heating and cooling, and construction techniques. Students design an energy efficient residence to be built by next years class.

CSTN 283 - Green Bldg Concept & Design II

Credits: 3. Prereq., CSTN 282. Spring semester. A course fee of \$50.00 is required. This course builds on concepts learned in CSTN 282 Green Building Concepts and Design I. Students learn how to weatherize existing buildings and green remodeling and preservation techniques, design and build outdoor living spaces, and green landscaping practices. They learn how to document building for green rating for both NAHB Standards and LEED. They will conduct blower door tests and learn to test for and mitigate radon gas. Students will also refine the energy efficient residential plan they produced in Green Building Concepts and Design I.

CSTN 291 - Special Topics

Credits: 3 TO 6. (R-6) Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

CSTN 299 - Capstone: Carpentry

Credits: 2. Capstone laboratory to accompany CSTN 102, 120, 122, 142, 143, 205, 206, and 261. This course provides hands-on experience in which the student applies the skills and knowledge presented in the Carpentry Program. The course will emphasize advanced application in the areas of exterior finishing and interior finishing, and other constructed topics.

Diesel Service Tech

DST 120 - Electrical Systems

Credits: 8. Offered spring. The theory of AC/DC electricity including Ohm's Law, magnetism, wiring diagrams, and circuit analysis. Starting, charging, and related systems are covered in-depth using test equipment commonly found in heavy equipment repair facilities. Electronic systems are reviewed and tested using common electronic test equipment. Course Attributes: Technical Course

DST 128 - Engine Service I

Credits: 4. Offered autumn. Introduction to the construction and operation of internal combustion engines with the diesel engine being examined in detail. The use of measuring tools and related special tools is covered extensively along with common manufacture rebuild procedures. Start-up and running practices are demonstrated on various running diesel engines. Students must complete this course with a letter grade of "C" or better to enroll in U 135T Power Trains the second-half of the semester. Course Attributes: Technical Course

DST 135 - Power Trains (UMCOT)

Credits: 7. Offered autumn. Chassis and drive train components used in light and heavy-duty trucks and other equipment. Clutches, manual transmissions, differentials, and final drives are covered. Course Attributes: Technical Course

DST 191 - Special Topics

Credits: 1 TO 6. (R-6) Experimental offerings of visiting professors, experimental offerings of new courses, or one time offerings of current topics.

DST 192 - Independent Study

Credits: 1 TO 6. (R-6) Offered every term. Course material appropriate to the needs and objectives of the individual student. Course Attributes: Technical Course

DST 221 - Brakes Susp and Undercarr

Credits: 6. Offered autumn. Air brake design, construction, and operating principles including an in-depth study of diagnostic procedures for troubleshooting and repairing brake systems. Suspension systems and undercarriage design and repair are covered along with common axle alignment procedures found in industry. Students must complete this course with a letter grade of "C" or better to enroll in U225T Hydraulics in the second-half of the semester. Course Attributes: Technical Course

DST 225 - Hydraulics (UMCOT)

Credits: 6. Offered autumn. Theory and application of hydraulics relative to mobile construction equipment and industrial hydraulic systems. Includes valves, pumps, motors, actuators, and related hydraulic components, system maintenance, troubleshooting, and repair. Course Attributes: Technical Course

DST 229 - Engine Service II

Credits: 7. Offered spring. Prereq., DET 128T. A continuation of Engine Service I with a major emphasis placed on the rebuilding of a diesel engine. Engine components repair and failure analysis are reviewed along with tune-up and running of diesel engines commonly found in the heavy equipment trade. Shop flat-rate procedures, work order procedures, and warranty requirements are covered. Students must complete this course with a letter grade of "C" or better to enroll in U230T Air Conditioning in the second-half of the semester. Course Attributes: Technical Course

DST 230 - Air Conditioning

Credits: 3. Offered spring. Prereq., DET 120T, DET 225T. Principles, theories, and the hazards of working with R-12 and R-34, including laws governing these refrigerants. An in-depth study of the components of an air conditioning system including hands-on practice. Discharging and charging principles are discussed, including leakage testing and other general diagnostic principles found in the field.

DST 231 - Fuel Systems

Credits: 5. Offered spring. A comprehensive study of diesel fuel injection systems to include: Cummins, Roosa Master, Caterpillar, Detroit Diesel, and Bosch. Disassembly and repair of these systems are covered in-depth along with calibration practices. Installation, timing, and on-engine adjustments are made on diesel engines. On-engine diagnosis of the fuel systems using special diesel engine diagnostic tools is reviewed. Course Attributes: Technical Course

DST 235 - Advanced Power Trains

Credits: 2. Offered spring. Prereq., DET 135T. A continuation of DET 135T with an emphasis on heavy automatic transmission, torque converters, and powershift transmission. In-depth coverage of component review troubleshooting and repair. Course Attributes: Technical Course

DST 270 - Diesel and Gaseous Fueled Engi

Credits: 3. Offered summer. Prereq., completion of an accredited diesel program or consent of instr. Overview of the diesel engine and its operating principles including the fuel systems found in the power generation field. Both mechanical and electronic type systems studied in depth. Gaseous/spark ignited internal combustion with in-depth look at both the ignition system and fuel system. Emission systems, preventive maintenance and general tune-up included. Course Attributes: Technical Course

DST 271 - Power Generators

Credits: 5. Offered summer. Prereq., completion of accredited diesel program and DET 270T. Introduction to generators as found in the power generation field including the review of electrical laws that pertain to A/C and D/C current. The operation of a typical internal combustion powered generator will be covered in depth including troubleshooting and rebuilding practices found in the power generation field. Generator mounting/alignment practices and generator installations, including flow requirements for combustion and cooling. Course Attributes: Technical Course

DST 272 - Power Generation Controls

Credits: 4. Offered summer. Prereq., completion of accredited diesel program and DET 271T. Operation of the generator and controls including governing devices and other specialized devices such as reverse power relays and volt/amp reactive power factor (VAR) controllers. Intensive troubleshooting including in depth coverage of service and repair of control systems. Course Attributes: Technical Course

Heavy Equipment Operation

HEO 146 - Safety & Basic Controls

Credits: 5. Offered autumn. Co-reqs., M 111 and CAPP 120. Orientation to the safe operation and basic control of crawler-tractors, scrapers, front-end loaders, motor graders, backhoes, trucks, and other heavy equipment units. Sufficient time is allowed for the development of basic machine operational skills.

HEO 148 - Operational Skill Bldg

Credits: 5. Offered autumn. Prereq., HEO 146T. Advancement of basic skills. Proper understanding and operation of heavy equipment is pursued. Time is allowed for development of proper operational techniques.

HEO 150 - Job Simulation

Credits: 6. Offered spring. Prereq., HEO 146, HEO 148T Incorporates learned skills into entry-level, industrial situations. Emphasis is on advanced equipment usage, problem definition and resolution, project-type earth moving assignments, proper equipment, and safety regulations. Course may allow participation in cooperative project efforts within the community.

HEO 151 - Service & Maintenance

Credits: 2. Offered autumn. Different types of lubricants and their applications, scheduled and preventive maintenance procedures, and importance of periodic services and maintenance. Also included are safety procedures and regulations.

HEO 153 - Const. Theory & Spec. Equip.

Credits: 5. Offered spring. Prereq., M 111, HEO 148. Study of construction principles, specialized equipment, production estimates, and various related subjects.

HEO 191 - Special Topics

Credits: 1 TO 6. (R-6) Offered autumn and spring. Prereq., consent of instr. Experimental offerings of visiting professors, experimental offerings of new courses, or one time offerings of current topics.

HEO 192 - Independent Study

Credits: 1 TO 6. Course material appropriate to the needs and objectives of the individual student.

Metals & Machining Technology

MCH 112 - Related Metals Processes I

Credits: 1. Offered spring. Use of hand tools and machines which relate to the repair of heavy equipment. Instruction covers fasteners, layout, bench metal, threads and threading, drills and drilling, and tool sharpening. Course

Attributes: Technical Course

MCH 114 - Related Metals Processes II

Credits: 3. Offered autumn. Instruction and use of drills, files, threads and threading processes, basic lathe, drill press, and band saw operation, including precision measuring instruments. Fasteners, layout procedures, and basic hand tools are covered. Course Attributes: Technical Course

MCH 115 - Related Metals Processes III

Credits: 3. Offered autumn and spring. A basic metalworking course covering fasteners, layout, bench metal, heat treating, threads and threading, drills and drilling, basic machining, and tool sharpening. Course Attributes:

Technical Course

MCH 191 - Special Topics

Credits: 1 TO 6. (R-6). Offered intermittently. Prereq. Consent of instr.

MCH 196 - Independent Study Variable

Credits: 1 TO 6. (R-6) Offered intermittently. Prereq., consent of instr. Course material appropriate to the needs and objectives of the individual student. Course Attributes: Service Learning/Volunteer Technical Course

MCH 198 - Internship

Credits: 1 TO 6. Prereq., consent of department. Extended classroom experience that provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.

MCH 214 - Advanced Related Metals Proc

Credits: 3. Offered autumn. Prereq., MPR 114T or 115T. Advanced skill development using machine tools such as milling machines, lathes, surface grinders, and drill presses, emphasizing safety and providing greater complexity than provided in MPR 114T. Welding and machining are used together demonstrating how sequencing work improves quality and productivity. Course Attributes: Technical Course

MCH 292 - Independent Study

Credits: 1 TO 6. (R-6) Offered intermittently

Small Engine Technology

SET 160 - Basic Electricity for RPE

Credits: 3. Offered autumn. The theory of AC/DC electricity including Ohm's Law, magnetism, series circuits, parallel circuits, the use of meters, and electrical test equipment. Includes electrical symbols, soldering, storage batteries, cranking motors, and electrical safety. Course Attributes: Technical Course

SET 176 - Motorcy/ATV Eng, Sus, Chas

Credits: 3. Offered autumn. Study of the design and function of several types of engines, transmissions, suspension, and brake systems. Course Attributes: Technical Course

SET 177 - Motorcy/ATV Elect & Fuel

Credits: 4. Offered autumn. Prereq., SET 160T. Principles of ignition, charging, and cranking systems. Design and function of carburetor, fuel injection, and lubrication systems. Hands-on diagnosis of problems and testing of systems. Course Attributes: Technical Course

SET 178 - Marine Elec & Fuel Syst

Credits: 5. Offered spring. Prereq., SET 160T. Theory of and testing and troubleshooting of problems with ignition, charging, and cranking systems. Includes the design, testing, and troubleshooting of marine carburetion and fuel injection systems. Course Attributes: Technical Course

SET 179 - Marine Powerhds/Low Units

Credits: 6. Offered spring. Prereq., SET 178T. Theory of design, function and components of outboard motor powerheads and lower units. Includes basic rigging, power trim and tilt, propping, and personal watercraft design, function, and maintenance. Course Attributes: Technical Course

SET 180 - Snowmobile Main & Rep I

Credits: 2. Offered autumn. Prereq., SET 177T. The repair and maintenance of air cooled and liquid cooled engines. Includes clutch, track, and rear suspension service and maintenance. Course Attributes: Technical Course

SET 181 - Snowmobile Main & Rep II

Credits: 2. Offered spring. Prereq., SET 180T. Principles and theory of snowmobile electrical, fuel, front suspension, and brake systems. Course Attributes: Technical Course

SET 182 - Comp Apps Motorsports

Credits: 1. Offered spring. Prereq., CRT 100. Use of recreational power equipment software for parts retrieval, invoicing and payment methods. Students build, query, and create reports using database software, and create a business plan for a hypothetical dealership. Course Attributes: Technical Course

SET 191 - Special Topics

Credits: 1 TO 6. (R-6) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics. Course Attributes: Technical Course

SET 192 - Independent Study

Credits: 1 TO 6. (R-6) Offered intermittently. Course material appropriate to the needs and objectives of the individual student. Course Attributes: Technical Course

Surveying

SRVY 108 - Construction Surveying

Credits: 2. Offered autumn. Basic principles of surveying and the use of surveying equipment. Calculation of angles and distances to determine grade elevations. Introduction to Global Positioning Systems, lasers and their relationship to the heavy equipment operator. Course Attributes: Technical Course

Welding

WLDG 101 - Welding Fund Auto Tech/Diesel

Credits: 2. Offered autumn. Basic and intermediate processes of shielded metal arc welding (SMAW) and oxyacetylene welding are covered in flat, horizontal, and vertical positions in a variety of joint configurations. Instruction in the oxyacetylene cutting process. This course is designed for Diesel students only. Course Attributes: Technical Course

WLDG 103 - Welding Fund Constructn Trades

Credits: 2. Offered spring. Basic welding processes of shielded metal arc welding (SMAW), flux core arc welding (FCAW) are covered in the flat, horizontal, and vertical positions in a variety of joint configurations. The instruction in flux core arc welding is focused on the carpentry building trades. Instruction in the oxyacetylene cutting process is also provided. Safe operation of equipment is covered and work is evaluated to industrial standards. This course is designed for carpentry students.

WLDG 117 - Blueprint Rdng & Weldng Symls

Credits: 3. Offered spring. Prereq., WLDG 150 (Practical experience in reading and drawing orthographic projections, interpreting dimensions, notes, scales, and welding symbols. Isometric projection (pictorial), sections, and auxiliary views with practical experience using conventional drafting tools and computer aided drafting (CAD). Course Attributes: Technical Course

WLDG 139 - Welding Maint & Repair -Diesel

Credits: 1. Offered autumn. Prereq., MPR 115T, WLDG 101. Combines the skills gained in welding and machine shop for practical applications such as repairing a broken cylinder block. Major emphasis is placed on repair techniques. Common repair procedures using machine shop and welding equipment is demonstrated. This course is designed for Diesel students only. Course Attributes: Technical Course

WLDG 145 - Fabrication Basics

Credits: 4. Offered spring. Prereq., MPR 114T; WLDG 180; coreq., WLDG 117, 187. Conception, design, and construction of a metal structure to industry standards using shears, presses, and other machine tools common to the welding industry. Skills are developed in the areas of shielded metal arc welding and flux core arc welding, oxyacetylene cutting, plasma arc cutting, and air carbon arc cutting. Course Attributes: Technical Course

WLDG 150 - Welding Layout Techniques

Credits: 2. Using practical layout techniques students develop basics for blueprint construction, layout on pipe and structural steel, and use of tools common to material layout. Course Attributes: Technical Course

WLDG 180 - Shielded Metal Arc Welding

Credits: 4. Offered autumn. Theory and safe operation of shielded metal arc welding (SMAW) of carbon steel on plate and structural components in all positions to industry standards. Visual inspection and destructive testing used to determine acceptability based upon industry standards (American Welding Society Structural Welding Code-Steel). Power sources and electrodes are covered in depth. Materials are prepared using mechanical plate shears and thermal cutting techniques. Thermal cutting techniques are examined relative to theory of operation and safe practices. Processes used are oxy-fuel cutting, plasma arc cutting, and air carbon arc cutting. Theory and operation of oxyacetylene welding examined. Course Attributes: Technical Course

WLDG 184 - OSHA Rules & Regulations Wldng

Credits: 1. Offered spring. Study of the Occupational Safety and Health Administration rules and regulations that affect the welding and construction industries. Course Attributes: Technical Course

WLDG 187 - Flux Core Arc Welding

Credits: 4. Offered spring. Prereq., WLDG 180 (Theory, practice, and safe operation of flux core arc welding equipment. Coupons are welded in the flat, horizontal, and vertical positions to industry standards using a variety of welding electrodes, diameters, and power sources, which prepare students for welding qualification to the American Welding Society Structural Welding Code specifications. Course Attributes: Technical Course

WLDG 191 - Special Topics

Credits: 1 TO 6. (R-6) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics. Course Attributes: Technical Course

WLDG 192 - Independent Study

Credits: 1 TO 6. (R-6) Offered intermittently. Prereq., consent of instr. Course material appropriate to the needs and objectives of the individual student. Course Attributes: Technical Course

WLDG 205 - Applied Metallurgy

Credits: 4. Offered autumn. Covers the manufacturing of iron and steel. Examination of physical and mechanical properties. Phase changes with the application of heating and cooling cycles. Ferrous crystal types and properties. Suggested welding procedures for low, medium, and high carbon steels, alloy steels, and cast iron. Course Attributes: Technical Course

WLDG 210 - Pipe Welding - Integrated Lab

Credits: 4. Offered autumn. Prereq., WLDG 180; coreq., WLDG 215. Emphasis on skill development in the welding of pipe sections to extremely high quality levels as required by national codes and standards. Pipe welding using GTAW for the root pass and SMAW for the remaining passes in all positions. Visual inspection and destructive testing used to evaluate work according to industry standards. Course Attributes: Technical Course

WLDG 215 - GTAW (integrated lab)

Credits: 4. Offered autumn. Prereq., WLDG 180, 187, 210 The theory and safe operation of Gas Tungsten Arc Welding (GTAW). Examination of power source controls and operation along with associated consumables such as gasses, electrode filler materials for carbon steel, stainless steel, and aluminum. Welding skill development according to industry standards using these materials in the flat, horizontal, and vertical positions. Course Attributes: Technical Course

WLDG 245 - Metal Fab Design/Construction

Credits: 4. Offered spring. Prereq., MPR 114T, MPR 214T; WLDG 117, 180, 187, 215, 275. Students combine all knowledge and skills developed in the welding program to design and draw a full set of plans (blueprints) for an instructor-approved project using extensive welding, metal fabrication equipment, machining processes and automation. High quality performance, consistent with business and industry required. Course Attributes: Technical Course

WLDG 275 - Gas Metal Arc Welding

Credits: 4. Offered spring. Prereq., WLDG 187. Theory and safe operation of Gas Metal Arc Welding (GMAW). Theory of flux core arc welding applied to GMAW. Primary focus on application, practical skill development, and producing welds that meet industry standards. Metals welded are low carbon steel, stainless steel, and aluminum. Short circuit arc and spray arc transfer used. Examination of gas and electrode selection. Course Attributes: Technical Course

WLDG 280 - Weld Testing Certification

Credits: 2. Offered spring. Prereq., WLDG 180, 187, 215, 275. Fundamental concepts and requirements of the American Society of Mechanical Engineers (ASME) and American Welding Society (AWS) are examined. Through laboratory experience students are provided the opportunity to qualify (certify) under the two codes mentioned above. Course Attributes: Technical Course

WLDG 285 - Automation in Welding

Credits: 3. Offered spring. Prereq., WLDG 117, 150, 187, 215, CADX 110 Application of the welding process to automation. Examination of simple automation techniques such as tools, clamping, and fixturing to aid in the rapid joining of production runs. Increasing complexity is examined leading into equipment that carries the welding gun, tractors, and carriages by fully automated systems with the student performing set-up and troubleshooting (Submerged Arc Welding) and automated parts processing (optical tracer torch). Programmable controllers are investigated and used. Programming and use of a PUMA 650 Industrial Robot. Course Attributes: Technical Course

WLDG 291 - Special Topics

Credits: 1 TO 6. (R-6) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics. Course Attributes: Technical Course

College of Visual and Performing Arts

Stephen Kalm, Dean

The College of Visual and Performing Arts (CVPA) is comprised of four professionally accredited schools; Art, Media Arts, Music and Theatre & Dance. CVPA is committed to leadership in pedagogy, creative scholarship and professional performances and exhibitions. The College prides itself on its high achieving faculty, successful alumni and talented students. CVPA:

- serves UM students by teaching performing and visual arts with rigor and devotion, and by offering preparation and experience that enable students to succeed in the world of art, to perform and create with grace and maturity, and to teach with expertise and perspective
- serves the University, the community, state, region and nation, by presenting concerts, productions, and exhibitions of high quality, and by offering educational and research opportunities in the arts for all disciplines
- serves as the cultural center of the state and region
- provides national leadership in the arts by enhancing the excellence of traditional arts curricula, instruction and research with innovative and imaginative programs that utilize new technologies, incorporate various media, and enhance cultural and intellectual environments
- inspires the pursuit of excellence by encouraging creativity and expression through the arts

In addition, the College of Visual and Performing Arts offers *Creative Pulse: Master's Degree in Integrated Arts and Education* program for educators and education administrators during summer sessions. Creative Pulse students embrace and explore critical thinking processes and habits of the mind, enabling participants to develop, refine and integrate these processes into their own thinking and learning abilities, as well as those of their students.

Art

Julia Galloway, Director

The School of Art provides a comprehensive education in studio art, including intensive hands-on studio practice, art history, criticism, and theory. Programs provide thorough professional training for students interested in careers in the field of art.

Degree offerings include the B.A., B.F.A., M.A., and M.F.A. in Art. Areas of specialization are Ceramics, Drawing, Painting, Photography, Printmaking and Sculpture. An M.A. degree in Art with concentrations in Studio Art and/or Art History is also offered, as well as courses that prepare students for licensure for teaching art.

Advanced Placement Policy

All students, including those who have taken AP examinations, must submit a portfolio to challenge art classes. Undergraduate students may challenge foundations courses only (ARTZ 105A (Art 101A), Visual Language-Drawing; ARTZ 106A (ART 102A), Visual Language-2-D Fndtns; and ARTZ 108A (ART 103A), Visual Language-3-D Fndtns).

Portfolios are reviewed at the beginning of each semester. The challenge process waives the requirement to take a specific class, but does not provide any credits. The process of portfolio reviews is as follows: students submit a portfolio of ten .jpeg files or pieces of actual work to the school office two weeks prior to the beginning of the semester. If challenging more than one course, students submit examples of work for each course, for example: ten drawing samples for ARTZ 105A (ART 101A), ten color works for ARTZ 106A (ART 102A), and/or ten 3-D pieces for ARTZ 108A (ART 103A).

Transfer Students

Students with transfer credits from another institution must contact the school director for review of transfer transcripts to assess course equivalents.

College of Visual & Perf Arts Catalog Year: 2015-2016

Degree Type: **Bachelor of Arts** Level: Major Subject: **Art**

Total Credits: 57 Cumulative GPA Required: 3.0

Lower Division Core

Category Name: Lower Division Requirements

Rule: All Courses Are Required Unless Waived Via Departmental Advanced Placement Policy

Criterion: C Number of Credits 36

Course Listing

Commentary: Students seeking the Bachelor of Arts degree with a major in Art must complete 36 credits of lower division art courses: Studio Art Fundamentals, 9; Beginning Art History, 6; Introductory Art Criticism, 3; Photography, 3; Ceramics, 3; Printmaking 3; Sculpture, 3; Painting, 3; Drawing, 3;

Subcategory Name: Studio Art Fundamentals

Rule: All Courses Required Unless Waived Via Departmental Advanced Placement Policy

Criterion: C Number of Credits 9

Course Listing

ARTZ 105A Visual Language - Drawing 3 F,S

ARTZ 106A Visual Language - 2-D Fndtns 3 F,S

ARTZ 108A Visual Language - 3-D Fndtns 3 F,S

Subcategory Name: Studio I Courses Rule: All Courses Required

Criterion: C Number of Credits 18

Course Listing

ARTZ 211A Drawing I 3 F,S

ARTZ 221A	Painting I	3	F,S
ARTZ 231A	Ceramics I	3	F,S
ARTZ 251A	Sculpture I	3	F,S
ARTZ 271A	Printmaking I	3	F,S
ARTZ 284A	Photo I-Techs and Processes	3	F,S

Subcategory Name: Beginning Art History And Criticism Rule: All Courses Required

Criterion: C Number of Credits 9

Course Listing

ARTH 200H	Art of World Civilization I	3	F
ARTH 201H	Art of World Civilization II	3	S
ARTH 250L	Introduction to Art Criticism	3	F,S

Commentary: Upper Division Core

Category Name: Upper Division Studio Courses

Rule: 12 Credits of Upper Division (300-400 Level) Courses Are Required

Criterion: C Number of Credits 12

Course Listing

ARTZ 311	Drawing II	3	F,S
ARTZ 321	Painting II	3	F,S
ARTZ 331	Ceramics II	3	F,S
ARTZ 335	Clay and Glaze3		F,S
ARTZ 351	Sculpture II	3	F,S
ARTZ 371	Printmaking II	3	F,S
ARTZ 372	Printmaking II- Lithography	3	F,S
ARTZ 384	Photo II-Theory, Crit, Prctice	3	F,S
ARTZ 385	The Art of Digital Photography	3	F,S
ARTZ 391	Special Topics 1 To 9		I
ARTZ 398	Internship	1 To 12	F,S
ARTZ 410	Advanced Research- Drawing	3	I
ARTZ 420	Advanced Research- Painting	3	I
ARTZ 430	Advanced Research- Ceramics	3	I
ARTZ 451	Advanced Research- Sculpture	3	I
ARTZ 470	Advanced Research- Printmaking	3	I
ARTZ 484	Photo III- Studio Projects	3	F,S
ARTZ 486	Advanced Research- Photography	3	I
ARTZ 491	Special Topics 1 To 6		I
ARTZ 492	Independent Study		2 To 6
ARTZ 494	Seminar- Professional Prctices		3

Upper Division Core

Category Name: Upper Division Art History

Rule: 6 credits in Upper Division (300-400 Level) Courses are Required

Criterion: C

Course Listing Number of Credits 6

ARTH 333H	Architectural History I	3	F
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ARTH 391	Special Topics 1 To 6		I
ARTH 402H	Greek Art & Architecture	3	I
ARTH 407	Roman and Early Christian Art	3	I
ARTH 425	Art of the Renaissance	3	I
ARTH 430	19th Century Art	3	F
ARTH 433H	Acient American Art	3	I
ARTH 434H	Latin American Art	3	I
ARTH 435Y	Art of the United States	3	I
ARTH 436	The History of Women in Art	3	I
ARTH 440	20th Century Art	3	S
ARTH 450	Renaissance Theory & Criticism	3	I
ARTH 458	Adv Research in Art History	2 To 6	F,S
ARTH 459	Advanced Research Art Crit	3 To 6	I
ARTH 464	African Art	3	I
ARTH 465	Spanish Art	3	I
ARTH 491	Special Topics 1 To 6		I
ARTH 494	Sem Art Hist & Crit	3	I
ARTH 498	Internship	1 To 6	I

Commentary: Upper Division Core

Category Name: Upper Division Art Criticism Rule: The following course is required

Criterion: C Number of Credits 3

Course Listing

ARTH 350 Contemp Art and Art Criticism 3 F,S Commentary:

Upper Division Electives

Category Name: 18 Additional Upper Division (300-400 Level) Credits Rule: May Be In Any Subject- Student's

Choice Of Courses

Criterion: C Number of Credits 18

Course Listing

Commentary: Any 300-400 level courses may be used to satisfy this requirement.

Subcategory Name: Art Education Licensure Requirements

Rule: The Art Education Licensure is earned through taking classes in both the School of Art and the Phyllis J.

Washington College of Education and Human Sciences. Students complete their BA or BFA in Art in conjunction with courses required from the College of Education. A student must be accepted into the College of Education.

Criterion: C Number of Credits 6

Course Listing

ARTZ 402 Teaching Art I-- K-12 3 F

ARTZ 403 Teaching Art II-- K-12 3 S

Commentary: Montana Teaching Certification in Art K-12 requires a BA or BFA in Art with a specialization in Art Education, which extends beyond the 120- credit limit, or an MA in Curriculum and Instruction with the required undergraduate credits for teacher certification in art. Students earning a BA or a BFA in Art must also take ARTZ 402 Teaching Art 1 -- K-12 , ARTZ 403 Teaching Art II -- K-12 as well as THTR 239 or DANC 497. In addition student are required to take 35 credits of EDU classes as well as HHP 233 Health Issues for Children &

Adolescents, and a Native American Studies Course. Please see the College of Education and Human Sciences degree builder for more details.

College of Visual & Perf Arts Catalog Year: 2015-2016

Degree Type: Bachelor of Fine Arts Level: Major Subject: **Art**

Total Credits: 75 Cumulative GPA Required: 3.0

Lower Division Core

Category Name: Lower Division Requirements

Rule: All Courses Are Required Unless Waived Via Departmental Advanced Placement Policy

Criterion: C Number of Credits 36

Course Listing

Commentary: Students seeking the Bachelor of Fine Arts degree with a major in Art must complete 36 credits of lower division art courses: Studio Art Fundamentals, 9; Beginning Art History, 6; Introductory Art Criticism, 3; Photography, 3; Ceramics, 3; Printmaking 3; Sculpture, 3; Painting, 3; Drawing, 3;

Subcategory Name: Studio Art Fundamentals

Rule: All Courses Required Unless Waived Via Departmental Advanced Placement Policy

Criterion: C Number of Credits 9

Course Listing

ARTZ 105A Visual Language - Drawing 3 F,S

ARTZ 106A Visual Language - 2-D Fndtns 3 F,S

ARTZ 108A Visual Language - 3-D Fndtns 3 F,S

Subcategory Name: Studio I Courses Rule: All Courses Required

Criterion: C Number of Credits 18

Course Listing

ARTZ 211A Drawing I 3 F,S

ARTZ 221A Painting I 3 F,S

ARTZ 231A Ceramics I 3 F,S

ARTZ 251A Sculpture I 3 F,S

ARTZ 271A Printmaking I 3 F,S

ARTZ 284A Photo I-Techs and Processes 3 F,S

Subcategory Name: Begining Art History And Criticism Rule: All Courses Required

Criterion: C Number of Credits 9

Course Listing

ARTH 200H Art of World Civilization I 3 F

ARTH 201H Art of World Civilization II 3 S

ARTH 250L Introduction to Art Criticism 3 F,S Commentary:

Commentary: Upper Division Core

Category Name: Upper Division Studio Courses I

Rule: 12 Credits of Upper Division (300-400 Level) Courses Inside Area Of Concentration Are Required Criterion: C

Number of Credits 12

Course Listing

ARTZ 311 Drawing II 3 F,S

ARTZ 321 Painting II 3 F,S

ARTZ 331	Ceramics II	3	F,S	
ARTZ 335	Clay and Glaze3		F,S	
ARTZ 351	Sculpture II	3	F,S	
ARTZ 371	Printmaking II	3	F,S	
ARTZ 372	Printmaking II- Lithography	3	F,S	
ARTZ 384	Photo II-Theory, Crit, Prctice	3	F,S	
ARTZ 385	The Art of Digital Photography	3	F,S	
ARTZ 391	Special Topics 1 To 9		I	
ARTZ 398	Internship	1 To 12	F,S	
ARTZ 410	Advanced Research- Drawing	3		I
ARTZ 420	Advanced Research- Painting	3		I
ARTZ 430	Advanced Research- Ceramics	3		I
ARTZ 451	Advanced Research- Sculpture	3		I
ARTZ 470	Advanced Research- Printmaking	3		I
ARTZ 484	Photo III- Studio Projects	3	F,S	
ARTZ 486	Advanced Research- Photography	3		I
ARTZ 491	Special Topics 1 To 6			I
ARTZ 492	Independent Study	2 To 6		I
ARTZ 498	Internship	1 To 12		I

Commentary: Upper Division Core

Category Name: Upper Division Studio Courses

Rule: 12 Credits of Upper Division (300-400 Level) Courses Outside Area Of Concentration Are Required

Criterion: C Number of Credits 12

Course Listing

ARTZ 311	Drawing II	3	F,S	
ARTZ 321	Painting II	3	F,S	
ARTZ 331	Ceramics II	3	F,S	
ARTZ 335	Clay and Glaze3		F,S	
ARTZ 351	Sculpture II	3	F,S	
ARTZ 371	Printmaking II	3	F,S	
ARTZ 372	Printmaking II- Lithography	3	F,S	
ARTZ 384	Photo II-Theory, Crit, Prctice	3	F,S	
ARTZ 385	The Art of Digital Photography	3	F,S	
ARTZ 388	Alternative Process Photog	3	F,S	
ARTZ 391	Special Topics 1 To 9			I
ARTZ 398	Internship	1 To 12		I
ARTZ 410	Advanced Research- Drawing	3		I
ARTZ 420	Advanced Research- Painting	3		I
ARTZ 430	Advanced Research- Ceramics	3		I
ARTZ 451	Advanced Research- Sculpture	3		I
ARTZ 470	Advanced Research- Printmaking	3		I
ARTZ 484	Photo III- Studio Projects	3		I
ARTZ 486	Advanced Research- Photography	3		I

ARTZ 491 Special Topics 1 To 6 I
ARTZ 492 Independent Study 2 To 6 I
ARTZ 498 Internship 1 To 12I

Commentary: Upper Division Core

Category Name: Upper Division Art History

Rule: 6 Credits in Upper Division (300-400 Level) Courses are Required

Criterion: C

Course Listing	Number of Credits	6
ARTH 333H Architectural History I	3	F,S
ARTH 391 Special Topics 1 To 6 I		
ARTH 402H Greek Art & Architecture	3	I
ARTH 407 Roman and Early Christian Art	3	I
ARTH 425 Art of the Renaissance	3	I
ARTH 430 19th Century Art	3	F
ARTH 433H Ancient American Art	3	I
ARTH 434H Latin American Art	3	I
ARTH 435Y Art of the United States	3	I
ARTH 436 The History of Women in Art	3	I
ARTH 440 20th Century Art	3	S
ARTH 450 Renaissance Theory & Criticism	3	I
ARTH 458 Adv Research in Art History	2 To 6	F,S
ARTH 459 Advanced Research Art Crit	3 To 6	I
ARTH 464 African Art	3	I
ARTH 465 Spanish Art	3	I
ARTH 491 Special Topics 1 To 6 I		
ARTH 494 Sem Art Hist & Crit	3	I
ARTH 498 Internship	1 To 6	I

Commentary: Upper Division Core

Category Name: Upper Division Art Criticism Rule: The following course is required

Criterion: C Number of Credits 3

Course Listing

ARTH 350 Contemp Art and Art Criticism	3	F,S
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Upper Division Electives

Category Name: 18 Additional Upper Division (300-400 Level) Credits Rule: May Be In Any Subject- Student's Choice Of Courses

Criterion: C Number of Credits 18

Course Listing

Commentary: Any 300-400 level courses may be used to satisfy this requirement.

Subcategory Name: Art Education Licensure Requirements

Rule: The Art Education Licensure is earned through taking classes in both the School of Art and the Phyllis J. Washington College of Education and Human Sciences. Students complete their BA or BFA in Art in conjunction with courses required from the College of Education. A student must be accepted into the College of Education.

Criterion: C Number of Credits 6

Course Listing

ARTZ 402 Teaching Art I-- K-12 3 F

ARTZ 403 Teaching Art II-- K-12 3 S

Commentary: Montana Teaching Certification in Art K-12 requires a BA or BFA in Art with a specialization in Art Education, which extends beyond the 120- credit limit, or an MA in Curriculum and Instruction with the required undergraduate credits for teacher certification in art. Students earning a BA or a BFA in Art must also take ARTZ 402 Teaching Art 1 -- K-12 , ARTZ 403 Teaching Art II -- K-12 as well as THTR 239 or DANC 497. In addition student are required to take 35 credits of EDU classes as well as HHP 233 Health Issues for Children & Adolescents, and a Native American Studies Course. Please see the College of Education and Human Sciences degree builder for more details.

Commentary: Capstone

Category Name: Senior Thesis Capstone Rule: All courses are required

Criterion: C Number of Credits 6

Course Listing

ARTZ 494 Seminar- Professional Prctices3 F

ARTZ 499 Senior Thesis/Capstone 3 S

College of Visual & Perf Arts Catalog Year: 2015-2016

Degree Type: Minor Level: Minor Subject: **Art Studio (Minor)**

Total Credits: 27 Cumulative GPA Required: 3.0

Lower Division Core

Category Name: Studio Art Fundamentals

Rule: Must complete the following subcategories

Criterion: Number of Credits 24

Course Listing Commentary:

Subcategory Name: Visual Language Rule: All courses are required

Criterion: C Number of Credits 9

Course Listing

ARTZ 105A Visual Language - Drawing 3 F,S

ARTZ 106A Visual Language - 2-D Fndtns 3 F,S

ARTZ 108A Visual Language - 3-D Fndtns 3 F,S Commentary:

Subcategory Name: Beginning Art History Rule: All courses are required

Criterion: C+ Number of Credits 6

Course Listing

ARTH 200H Art of World Civilization I 3

ARTH 201H Art of World Civilization II 3

Subcategory Name: Studio I Courses Rule: 3 courses are required

Criterion: C Number of Credits 9

Course Listing

ARTZ 211A Drawing I 3

ARTZ 221A Painting I 3

ARTZ 231A Ceramics I 3

ARTZ 251A Sculpture I 3

ARTZ 271A Printmaking I 3

ARTZ 284A Photo I-Techs and Processes 3

Commentary: Upper Division Core

Category Name: Upper Division Studio Course Rule: 1 300-400 Level Studio Course Required

Criterion: C Number of Credits 3

Course Listing

ARTZ 311 Drawing II 3 F,S

ARTZ 321 Painting II 3 F,S

ARTZ 331 Ceramics II 3 F,S

ARTZ 335 Clay and Glaze3 F,S

ARTZ 351 Sculpture II 3 F,S

ARTZ 371 Printmaking II 3 F,S

ARTZ 372 Printmaking II- Lithography 3 F,S

ARTZ 385 The Art of Digital Photography 3 F,S

ARTZ 388 Alternative Process Photog 3 F,S

ARTZ 391 Special Topics 1 To 9 I

ARTZ 398 Internship 1 To 12I

ARTZ 422 Painting III 3 I

ARTZ 430 Advanced Research- Ceramics 3 I

ARTZ 451 Advanced Research- Sculpture 3 I

ARTZ 470 Advanced Research- Printmaking 3 I

ARTZ 484 Photo III- Studio Projects 3 I

ARTZ 486 Advanced Research- Photography 3 I

ARTZ 492 Independent Study 2 To 6 I

ARTZ 498 Internship 1 To 12I

Degree Commentary: A Minor In Studio Art-27 Credits

College of Visual & Perf Arts Catalog Year: 2015-2016

Degree Type: Minor Level: Minor Subject: **Art History/Criticism (Minor)**

Total Credits: 24 Cumulative GPA Required: 2.5

Lower Division Core

Category Name: Studio Art Fundamentals

Rule: Must complete the following subcategories

Criterion: Number of Credits 12

Course Listing Commentary:

Subcategory Name: Visual Language Rule: The following course is required

Criterion: C Number of Credits 3

Course Listing

ARTZ 105A Visual Language - Drawing 3 F,S Commentary:

Subcategory Name: Beginning Art History Rule: All courses are required

Criterion: C Number of Credits 6

Course Listing

ARTH 200H Art of World Civilization I 3 F

ARTH 201H Art of World Civilization II 3 S
 Subcategory Name: Beginning Art Criticism Rule: The following course is required
 Criterion: C Number of Credits 3
 Course Listing
 ARTH 250L Introduction to Art Criticism 3 F,S Commentary:
 Commentary: Upper Division Core
 Category Name: Upper Division Art History And Criticism
 Rule: 12 Credits Of 300-400 Level Art History And/Or Criticism Courses Required
 Criterion: C
 Course Listing Number of Credits 12
 ARTH 333H Architectural History I 3 F
 ARTH 350 Contemp Art and Art Criticism 3 F,S
 ARTH 391 Special Topics 1 To 6 I
 ARTH 402H Greek Art & Architecture 3 I
 ARTH 407 Roman and Early Christian Art 3 I
 ARTH 425 Art of the Renaissance 3 I
 ARTH 430 19th Century Art 3 F
 ARTH 433H Acient American Art 3 I
 ARTH 434H Latin American Art 3 I
 ARTH 435Y Art of the United States 3 I
 ARTH 436 The History of Women in Art 3 I
 ARTH 440 20th Century Art 3 S
 ARTH 450 Renaissance Theory & Criticism 3 I
 ARTH 458 Adv Research in Art History 2 To 6 F,S
 ARTH 459 Advanced Research Art Crit 3 To 6 I
 ARTH 464 African Art 3 I
 ARTH 465 Spanish Art 3 I
 ARTH 491 Special Topics 1 To 6 I
 ARTH 494 Sem Art Hist & Crit 3 I
 ARTH 498 Internship 1 To 6 I
 Degree Commentary: Minor in Art History For Those Not Majoring In Art

Department Faculty

Professors

- James Bailey, Professor
- Maryann Bonjorni, Professor
- H. Rafael Chacon, Professor
- Julia Galloway, Professor and Director
- Valerie Hedquist, Professor
- Elizabeth Lo, Professor
- Cathryn Mallory, Professor and Gallery Director

Associate Professors

- Bradley Allen, Associate Professor
- Kevin Bell, Associate Professor
- Trey Hill, Associate Professor

Assistant Professors

- Jennifer Combe, Assistant Professor
- Matthew Hamon, Assistant Professor

Adjunct Faculty

- Steven Krutek, Adjunct Assistant Professor
- Edgar Smith, Adjunct Assistant Professor

Course Descriptions

Art History

ARTH 160L - Global Visual Culture

Credits: 3. Offered autumn and spring. An introduction to the visual arts exploring various approaches to understanding art, art history and terminology, techniques and media, motivating factors behind the creative act.

Course Attributes: Literary & Artistic Stds Crse

ARTH 200H - Art of World Civilization I

Credits: 3. Offered autumn. Survey of history of visual art from prehistory to 1400. Course Attributes: Historical & Cultural Course Indigenous and Global

ARTH 201H - Art of World Civilization II

Credits: 3. Offered spring. Survey of history of visual art from 1400 to the Present. Course Attributes: Historical & Cultural Course American and European

ARTH 250L - Introduction to Art Criticism

Credits: 3. Offered autumn and spring. Prereq., ARTH 200H-201H. An overview of the description, and interpretation, and evaluation of visual art as practiced in the discipline of art criticism. Course Attributes: Literary & Artistic Stds Crse Writing Course-Intermediate

ARTH 333H - Architectural History I

Credits: 3. Offered autumn. Prereqs., ARTH 200H or 201H. Knowledge and understanding of architectural styles, designs and choices of the built environment from prehistory megalithic architecture to the start of the modern age.

Course Attributes: Historical & Cultural Course

ARTH 334H - Architectural History II

Credits: 3. Prereqs., ARTH 201H and ARTH 250L or consent of instructor. Exploration of architectural styles, designs, and choices of the built environment from 1850 to the present. Course Attributes: Historical & Cultural Course

ARTH 350 - Contemp Art and Art Criticism

Credits: 3. Offered autumn and spring. Prereq., ARTH 250L or consent of instructor. Survey of artists, art works, critics and theories from 1960's to the present. Introduction to major art movements and ideas of the Post-Modern era. Special emphasis given to firsthand experiences with art at local venues and direct engagement with contemporary art criticism published in newspapers, journals, magazines, and other media. Course Attributes:

Writing Course-Advanced

ARTH 391 - Special Topics

Credits: 1 TO 6. (R-9) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

ARTH 400 - Art & Architecture of Egypt

Credits: 3. Offered autumn. Prereq., ARTH 200H or consent of instr. Exploration of the development of Egyptian art from its earliest roots to the present, including Orientalism and Egyptomania.

ARTH 402H - Greek Art & Architecture

Credits: 3. Offered intermittently. Prereq., ARTH 200H or 201H or consent of instructor. Same as LS 340H and MCLG 360H. Ancient Greek works of art and architecture, related to and explained by contemporary ideas and values of Greek society. Course Attributes: Historical & Cultural Course

ARTH 407 - Roman and Early Christian Art

Credits: 3. Offered intermittently. Prereq., ARTH 200H or 201H or consent of instructor. Same as LS 341H and MCLG 361H. A survey of the various media used in Roman art; the social political, and economic contexts in which the media were developed; and the transition (technical, iconographic, and contextual) to the art of the Early Christian period.

ARTH 425 - Art of the Renaissance

Credits: 3. Offered intermittently. Prereq., ARTH 200H or 201H or consent of instructor. Exploration of the arts of 1450-1600 in western Europe. Focus on themes such as the recovery of the classical past, development of scientific naturalism and linear perspective, and the evolution of major art forms architecture, urbanism, religious altarpieces and devotional images, fresco and oil paintings, monumental sculpture, etc. Course Attributes: Writing Course-Approved

ARTH 430 - 19th Century Art

Credits: 3. Offered autumn. Prereq., ARTH 200H or 201H or consent of instructor. Exploration of major themes in European art from 1800 to 1900. Focus on major cultural and intellectual trends such as Neoclassicism, Romanticism, Realism, Impressionism and early Modernism.

ARTH 433H - Ancient American Art

Credits: 3. Offered intermittently. Prereq., ARTH 200H or 201H or consent of instructor. Development of major ceremonial and urban centers throughout the Americas before the coming of Europeans. Analysis of how the visual arts articulate ancient world views or cosmologies in relation to nature. Focus on various strategies of reading the structure and meaning encoded in the layout of cities, stone sculpture, wall murals, ceramics, precious metals, and textiles. Course Attributes: Historical & Cultural Course

ARTH 434 - Latin American Art

Credits: 3. Offered intermittently. Prereq., ARTH 200H or 201H or consent of instr. Exploration of themes in the development of Latin American art from the colonial period to the present including Renaissance ideals in the New World, syncretism of European, African, and indigenous roots, the Black Legend, and the advent of such movements as Academism, Modernism, Social Realism, Magic Realism and Post-Modernism. Course Attributes: Writing Course-Advanced

ARTH 435 - Art of the United States

Credits: 3. Offered intermittently. Prereq., ARTH 200H or 201H (ART 150H or 151H) or consent of instructor. American painting, sculpture and architecture from the Civil War to the present. Course Attributes: American and European

ARTH 436 - The History of Women in Art

Credits: 3. Offered intermittently. Prereq., ARTH 200H or 201H or consent of instructor. A survey of major women artists in context of social history and aesthetics from ancient to modern times. Analysis of feminism and works by contemporary women artists in film and video.

ARTH 440 - 20th Century Art

Credits: 3. Offered spring. Prereq., ARTH 200H or 201H or consent of instructor. Exploration of major themes in the development of art of the 20th century. Focus on major cultural and intellectual trends of the Modern and Post-Modern ages.

ARTH 450 - Renaissance Theory & Criticism

Credits: 3. Offered intermittently. Prereq., ARTH 200H or 201H or consent of instructor. An exploration of the writings of major thinkers of the 14th-16th centuries, including theoretical treatises, works of literature, contracts, and personal diaries. Course Attributes: Literary & Artistic Stds Crse

ARTH 458 - Adv Research in Art History

Credits: 2 TO 6. (R-9) Offered autumn and spring. Prereq., ARTH 200H or 201H, a 300-level art history course and consent of instructor. Advanced research in art history topics agreed upon by student and instructor.

ARTH 459 - Advanced Research Art Crit

Credits: 3 TO 6. (R-9) Offered intermittently. Prereq., ARTH 200H or 201H or consent of instructor. Advanced Research in Art Criticism.

ARTH 464 - African Art

Credits: 3. Offered intermittently. Prereq., ARTH 200H or 201H or consent of instructor. Broad investigation of the visual arts of Africa; historical civilizations, including Egypt, and colonial and post-colonial societies; methodologies for study of non-western societies; "Primitivism;" and the importance of African Art for the development of western art.

ARTH 465 - Spanish Art

Credits: 3. Offered intermittently. Prereq., ARTH 200H or 201H or consent of instructor. Exploration of the history of Spanish art from the cave paintings to the 21th century. Focus on Spanish art and aesthetics and Spain's cultural identity through the visual arts. Course Attributes: Historical & Cultural Course

ARTH 491 - Special Topics

Credits: 1 TO 6. (R-9) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

ARTH 494 - Sem Art Hist & Crit

Credits: 3. (R-9) Offered intermittently. Prereq., ARTH 200H or 201H, a 300-level art history course and consent of instructor. Upper-division seminar in varying topics of art history and criticism.

ARTH 498 - Internship

Credits: 1 TO 6. (R-12) Offered intermittently. Prereq., consent of instructor. Special internships under direction of department faculty allowing students practical experience in a chosen area. Course Attributes:

Internships/Practicums

ARTH 503 - Crit Theories Visual Arts

Credits: 3. Prereq., consent of instructor. Seminar on the history of art criticism as a particular type of discourse about art. Contemporary theories of Modernism including Formalism, Abstraction, Marxism, and Social Realism; and Postmodernism including Deconstruction, Revisionism, and Feminism. Required of all M.A. and M.F.A. students in art. Level: Graduate

ARTH 509 - Crit Theories Visual Arts II

Credits: 3. Prereq., ARTH 503 or consent of instructor. This course is a continuation of ARTH 503 Critical Theories in Visual Arts I, with an emphasis on contemporary theories, topics and ideas related to visual arts. Students will engage with course material through research and reading of primary documents, writing and presentations. Students will have the opportunity to investigate specific topics that relate to and expand their creative studio practice. Level: Graduate

ARTH 550 - Graduate Studies/Art History

Credits: 2 TO 6. (R-24) Offered autumn and spring. Prereq., consent of instructor. Research in art history and art theories. Level: Graduate

ARTH 597 - Research in Art History

Credits: 3 TO 9. (R-24) Offered intermittently. Prereq., consent of instructor. Level: Graduate

ARTH 698 - Methodologies in Art History

Credits: 3 TO 9. (R-9) Offered intermittently. Prereq., consent of instr. Investigation of the discipline of art history, its elements, boundaries, historiography, and practitioners. Level: Graduate

Art

ARTZ 103A - Art for Non-Majors

Credits: 3. This course introduces students to visual art and culture from both contemporary and historical perspectives through lectures, readings, writing, and studio projects. It explores visual literacy including terminology, techniques, aesthetics, studio practice, and cultural context. Course Attributes: Expressive Arts Course
ARTZ 105A - Visual Language - Drawing

Credits: 3. Offered autumn and spring. Introduction to visual language, concept development, and studio practicum. Focus on basic skills development based on observation, imagination, and memory. Some research in historical and contemporary approaches to drawing required. Course Attributes: Expressive Arts Course
ARTZ 106A - Visual Language - 2-D Fndtns

Credits: 3. Offered autumn and spring. Prereq. or coreq., ARTZ 105A. An introduction to the formal elements and principles of design, color theory, and predominant western and non-western historical styles. Emphasis on solving specific design problems. Course Attributes: Expressive Arts Course
ARTZ 108A - Visual Language - 3-D Fndtns

Credits: 3. Offered autumn and spring. Basic three-dimensional course for both general education and beginning art students. Prerequisite to beginning sculpture and beginning ceramics. Emphasis placed on conceptualization and formal development of the 3-D object in the areas of form, mass, scale, texture, space and color. Course Attributes: Expressive Arts Course
ARTZ 131A - Ceramics for Non-majors

Credits: 3. Offered intermittently. A general introduction to art using ceramics. Less specialized than Ceramics I for art majors. Credit not allowed toward a B.A., B.F.A., or minor in art. Course Attributes: Expressive Arts Course
ARTZ 191 - Special Topics

Credits: 1 TO 6. (R-9) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
ARTZ 211A - Drawing I

Credits: 3. Offered autumn and spring. Prereq., ARTZ 105A, and ARTH 200H or 201H. Study of human anatomy with an emphasis on rendering and interpreting the figure. Students complete a variety of homework assignments. Some research in historical and contemporary figuration required. Course Attributes: Expressive Arts Course
ARTZ 221A - Painting I

Credits: 3. Offered autumn and spring. Prereq., ARTZ 105A, 106A, ARTH 200H and 201H. Acrylic and oil painting emphasizing composition and application of color theory. Research in historical and contemporary strategies. Course Attributes: Expressive Arts Course
ARTZ 231A - Ceramics I

Credits: 3. Offered autumn and spring. Prereq., ARTZ 108A. Introduction to clay as a historical and contemporary art-making medium. Basic methods of building with clay, with emphasis on handbuilding; elementary solutions to problems of glazing and surface treatment. Course Attributes: Expressive Arts Course
ARTZ 251A - Sculpture I

Credits: 3. Offered autumn and spring. Prereq., ARTZ 108A. Introduction to fundamental technical skills and new processes in various materials. Further development of the formal concerns within three-dimensional design. Issues of content and formal criticism as it relates to personal expression. Course Attributes: Expressive Arts Course
ARTZ 271A - Printmaking I

Credits: 3. (R-9) Offered autumn and spring. Prereq., ARTZ 105A. Introduction to various printmaking media. Course Attributes: Expressive Arts Course
ARTZ 284A - Photo I-Techs and Processes

Credits: 3. Offered autumn and spring. Prereq., ARTZ 105A. Introduction to photography as an art form. Exposure, digital camera basics, composition, digital image processing, printing, print finishing techniques. Discussion of historical and contemporary uses of photography. Focus on technical expertise and issues of content and personal expression. Course Attributes: Expressive Arts Course
ARTZ 291 - Special Topics

Credits: 1 TO 9. (R-12) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
ARTZ 302A - Elementary School Art

Credits: 2. Offered autumn and spring. Visual art teaching methods for future elementary school teachers in a variety of media, methods of critique, and curricular components.

ARTZ 311 - Drawing II

Credits: 3. (R-9) Offered autumn and spring. Prereq., ARTZ 211, ARTH 200H, ARTH 201H, ARTH 250L. Focused time for individual exploration and production of drawings for portfolio development through studio practicum, lectures, critiques, reading and writing.

ARTZ 321 - Painting II

Credits: 3. (R-12) Offered autumn and spring. Prereq., ARTH 200H, 201H, 250L, and ARTZ 221A. Continued development of painting skills and concepts development of painting skills and concepts with an emphasis on contemporary ideas, process and materials. Studio practicum, lectures, critiques, reading and writing.

ARTZ 331 - Ceramics II

Credits: 3. (R-12) Offered autumn and spring. Prereq., ARTZ 108A and 231A. Further exploration of the ceramic process introducing more complex ways of handbuilding and developing the art of throwing. Examination of the technology and chemistry of clay, glazes and high temperature oxidation and reduction firing.

ARTZ 335 - Clay and Glaze

Credits: 3. Offered autumn. Prereq., ARTZ 108A, 231A. In-depth study of the physical and chemical properties of clays and glazes. Hands-on testing of various clay and glaze formulas and an introduction to kiln firing.

ARTZ 351 - Sculpture II

Credits: 3. (R-12) Offered autumn and spring. Prereq., 251A. Focus on contemporary issues and a deeper engagement with materials. Development and execution of clear sculptural responses to material-based and topic-based assignments.

ARTZ 371 - Printmaking II

Credits: 3. (R-12) Offered autumn and spring. Prereq., ARTZ 271A. Continued work in various printmaking media.

ARTZ 384 - Photo II-Theory, Crit, Practice

Credits: 3. (R-12) Offered autumn and spring. Prereq., ARTZ 105A, 284A. Further exploration of photography as an art form. Survey of different approaches to cameras, films, chemical and digital processes, presentation techniques. Emphasis on issues of content and personal expression.

ARTZ 385 - The Art of Digital Photography

Credits: 3. Offered autumn or spring. Prereq., ARTZ 105A, 284A. Introduction to digital photographic manipulation. Survey of techniques, theory and potential for creative expression as an art form.

ARTZ 388 - Alternative Process Photog

Credits: 3. Offered intermittently. Prereq., ARTZ 105A, 284A. Introduction to historic, experimental and alternative process photography. Survey of techniques, theory and potential for creative expression as an art form.

ARTZ 391 - Special Topics

Credits: 1 TO 9. (R-12) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

ARTZ 394A - Seminar- Environmental Drawing

Credits: 3. Offered Spring. A drawing seminar specifically designed for the Wilderness and Civilization program. Students will explore and develop individual ideas with various media based on the curriculum of the Wilderness Program. Course Attributes: Expressive Arts Course

ARTZ 398 - Internship

Credits: 1 TO 12. (R-12) Offered autumn and spring. Special internships under direction of department faculty allowing students practical experience in a chosen area. Course Attributes: Internships/Practicums

ARTZ 400 - Art & Architecture of Egypt

Credits: 3. Offered autumn. Prereq., ARTH 200H or consent of instr. Exploration of the development of Egyptian art from its earliest roots to the present, including Orientalism and Egyptomania.

ARTZ 402 - Teaching Art I-- K-12

Credits: 3. Offered autumn. Prereq., ARTZ 105A, 106A, 108A; ARTH 200H, 201H; and junior standing. Preparation for art specialists to include history and current trends in curriculum development, teaching procedures, child growth and development in art, resources, evaluation, advocacy and directed teaching experiences in school setting.

Course Attributes: Service Learning

ARTZ 403 - Teaching Art II-- K-12

Credits: 3. Offered spring. Prereq., ARTZ 105A, 106A, 108A, and 402. Continuation and practical application of ARTZ 402.

ARTZ 410 - Advanced Research- Drawing

Credits: 3. (R-9) Offered intermittently. Prereq. ARTZ 211, ARTH 200H, ARTH 201H, and ARTH 250L or consent of instructor. Focused time for individual exploration and production of drawings for portfolio development through studio practicum, lectures, critiques, reading and writing. Sections providing a forum for performance art are taught intermittently.

ARTZ 420 - Advanced Research- Painting

Credits: 3. (R-9) Offered intermittently. Prereqs., ARTZ 105A, 106A, ARTH 200H, 201H, 250L, ARTZ 211A, 221A, 311, 321, and 422, and/or consent of instructor. Investigation of painting with emphasis on student proposals, including specific technical and conceptual aspects.

ARTZ 422 - Painting III

Credits: 3. (R-9) Offered autumn and spring. Prereq., ARTH 200H, 201H, 250L, and ARTZ 321. Includes ARTZ 422: Process and Abstraction and ARTZ 422: Portfolio Development. Studio and ARTZ 422: Finding Language. Exploration and production of paintings with emphasis on individual expression. Studio practicum, lectures, critiques, reading and writing.

ARTZ 430 - Advanced Research- Ceramics

Credits: 3. (R-9) Offered intermittently. Investigation of ceramics with emphasis on student proposals, including specific technical and conceptual aspects.

ARTZ 451 - Advanced Research- Sculpture

Credits: 3. (R-9) Offered intermittently. Prereq., ARTZ 351 or consent of instructor. Thorough investigation and articulation of the communicative elements of art. Emphasis on the craftsmanship of ideas and the refinement of personal aesthetics as they pertain to sculptural production.

ARTZ 470 - Advanced Research- Printmaking

Credits: 3. (R-9) Offered intermittently. Investigation of printmaking with emphasis on student proposals, including specific technical and conceptual aspects.

ARTZ 484 - Photo III- Studio Projects

Credits: 3. (R-9) Offered autumn or spring. Prereq., ARTZ 105A, 284A, 384. Further exploration of photographic theory, criticism, technique and expression as an art form.

ARTZ 486 - Advanced Research- Photography

Credits: 3. (R-9) Offered intermittently. Pre-req., consent of instructor. Investigation of photography with emphasis on student proposals, including specific technical and conceptual aspects.

ARTZ 491 - Special Topics

Credits: 1 TO 6. (R-12) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

ARTZ 492 - Independent Study

Credits: 2 TO 6. (R-24) Offered intermittently. Prereq. Consent of instructor. Advanced studio techniques with emphasis on student initiated projects.

ARTZ 494 - Seminar- Professional Practices

Credits: 3. Offered autumn. Prereq., senior status. Required of all graduating B.F.A. students. Introduction to professional practices and standards in the visual arts, including presentation, portfolio development, career and exhibition opportunities, arts advocacy and graduate school.

ARTZ 498 - Internship

Credits: 1 TO 12. (R-12) Offered intermittently. Prereq., consent of instructor. Special internships under direction of department faculty allowing students practical experience in a chosen area. Course Attributes:

Internships/Practicums

ARTZ 499 - Senior Thesis/Capstone

Credits: 3. Offered spring. Prereq., senior status, ARTZ 494, and successful passage of B.F.A. review. Required of B.F.A. students. Focus on completion of artwork and preparation for the required spring B.F.A. exhibition. Further exploration of professional practices topics and career opportunities.

ARTZ 501 - Graduate Critique Seminar

Credits: 2. (R-4) Offered autumn and spring. Prereq., consent of instr. Weekly meetings to critique graduate student work. Level: Graduate

ARTZ 502 - Grad Assist Sem/ Prof Develop

Credits: 3. Offered autumn. Prereq., Graduate student status. A seminar-based course emphasizing various approaches to teaching, along with professional practices in art. Level: Graduate

ARTZ 504 - Pre-Candidacy

Credits: 1. Offered autumn and spring. Prereq., consent of instructor. Graduate Standing concurrent with Art 500-level Graduate Research and Studio Processes. Course emphasizes one-on-one instruction with faculty from the student's area of concentration in preparation for the student's all-faculty review prior to thesis work. Level: Graduate

ARTZ 505 - Grad Studio Res: Art

Credits: 1 TO 3. (R-24) Offered autumn and spring. Graduate program. Students meet during regularly scheduled times with faculty or in small groups throughout the semester to discuss the development of their individual work. Level: Graduate

ARTZ 506 - Graduate Pedagogy

Credits: 3. Offered Fall. Lecture-style course discussing current pedagogical practices in college-level art education. Includes development of a syllabus, teaching philosophy, assignments, and public speaking skills as well as information on the day-to-day challenges of teaching. Prepares graduate students for TA application and must be taken during first semester of graduate study. This course also includes a semester of course shadowing, working closely with an instructor from the beginning of the assigned course until finals. Assist the assigned faculty member with activities pertaining to teaching. Level: Graduate

ARTZ 507 - Beyond Art School

Credits: 2. Introduction to professional practices and standards in the visual arts, including portfolio development, presentation, exhibition opportunities and resources, approaching galleries, developing a web presence, grant writing and artist residencies. Additional topics will cover transition and progression from graduate study into the workforce. Topics will include; career opportunities, resume development, CAA, preparation of job applications, interviewing and public speaking. Level: Graduate

ARTZ 508 - Expanded Studio Practice

Credits: 3 TO 6. Offered autumn and spring. Studio-based course that offers graduate students the opportunity to work together in a studio art environment with the possibility of engaging diverse media and themes. May take the form of topic-based studio assignments, thematic inquiry, studio response to readings, and/or specific studio processes depending on faculty. Rotates amongst the faculty. Level: Graduate

ARTZ 511 - Grad Res/Studio Pr: Drawing

Credits: 2 TO 6. (R-24) Offered autumn and spring. Prereq., consent of instructor. Graduate research in drawing, based on student's direction. Level: Graduate

ARTZ 521 - Grad Res/Studio Pr: Painting

Credits: 3 TO 6. (R-24) Offered autumn and spring. Prereq., consent of instructor. Advanced research in painting. Level: Graduate

ARTZ 531 - Grad Res/Studio Pr: Ceramics

Credits: 3 TO 6. (R-24) Offered autumn and spring. Prereq. consent of instructor. Advanced research in ceramics. Level: Graduate

ARTZ 551 - Grad Res/Studio Pr: Sculpt

Credits: 2 TO 6. (R-24) Offered autumn and spring. Prereq., consent of instructor. Advanced research in sculpture. Level: Graduate

ARTZ 571 - Grad Res/Studio Pr: Print

Credits: 2 TO 12. (R-24) Offered autumn and spring. Prereq., consent of instr. Advanced research in printmaking. Level: Graduate

ARTZ 594 - Seminar

Credits: 1 TO 6. (R-6) Offered intermittently. Level: Graduate

ARTZ 595 - Special Topics

Credits: 1 TO 9. (R-12) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics. Level: Graduate Course Attributes: Internships/Practicums
ARTZ 596 - Independent Study
Credits: 2 TO 6. (R-18) Prereq., consent of instructor. Offered intermittently. Level: Graduate Course Attributes: Service Learning/Volunteer
ARTZ 597 - Research in Art History
Credits: 2 TO 6. (R-18) Offered intermittently. Prereq., consent of instr. Level: Graduate
ARTZ 598 - Internship
Credits: 2 TO 6. (R-12) Offered intermittently. Prereq., consent of instructor. Level: Graduate Course Attributes: Internships/Practicums
ARTZ 697 - Thesis Paper
Credits: 1 TO 3. (R-3) Prereq., ARTZ 699. Guided one-on-one instruction with the chair of the thesis committee working toward researching and writing the thesis paper. Level: Graduate
ARTZ 699 - Thesis Exhibition
Credits: 1 TO 12. Offered intermittently. Prereq., consent of instructor. Investigation of the discipline of art history, its elements, boundaries, historiography, and practitioners. Level: Graduate

Media Arts

Mark Shogren, Director

The School of Media Arts has degree programs at both undergraduate and graduate levels. The undergraduate program offers a B.A. degree that consists of a uniquely integrated curriculum centered in digital technology as a storytelling and artistic medium. The course of instruction is comprehensive and combines the areas of digital filmmaking and integrated digital media. The undergraduate program also offers a B.F.A. degree with specializations in Digital Filmmaking, Integrated Digital Media, Animation, and Sonic Arts. The graduate program offers an M.F.A., which provides an intensive, dedicated program in either Digital Filmmaking or Integrated Digital Media. The Digital Filmmaking track offers the student comprehensive training in the areas of writing, directing and editing. The Integrated Digital Media track focuses on the areas of digital compositing, digital image design, animation, and interactive digital media. In addition, the School has a comprehensive Media Arts Minor program and a substantial number of on-line courses and elective summer classes that provide students the opportunity to enhance the artistic part of their educational experience. For more information on the academic programs and to experience the creative work of Media Arts undergraduate and graduate students please visit our website at: <http://www.umt.edu/mediaarts>.

College of Visual & Perf Arts Catalog Year: 2015-2016

Degree Type: Bachelor of Arts Level: Major Subject: **Media Arts**

Total Credits: 45 Cumulative GPA Required: 2.0

The B.A. program provides a uniquely integrated curriculum that combines the areas of Digital Filmmaking and Integrated Digital Media. The courses in Digital Filmmaking focus on the three primary components of pre-production, production and post-production and include directing, writing, sound design, and editing. The courses in Integrated Digital Media focus on the relationship between digital technology and aesthetics and include still image/motion graphics, compositing, 2D animation, sound design and interactive media. History and theory courses in both areas provide students with a deeper understanding of artistic principles and practices. The undergraduate program has a large production space including a green screen area, three computer labs with 60 total stations and an audio recording room. After completion of the prerequisite courses, there is a G.P.A. gate in effect for admission