					Transfers to UHM		
	Course	Title	Credit	Gen Ed	(SHATATR)	Prereqs	Course description
UHM	ARCH 132	Design Communication	4	DA		none	Exploration of critical judgment and means to conceptualize, develop, represent, and communicate architectonic form and space, including fundamentals of freehand drawing, mechanical drawing, physical model making, diagramming, and graphic techniques.
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HAW	AEC 120	Intro to Construction Drawings	3			AEC 118; co-req AEC 110C (or completion)	A core course in basic building construction and common construction drawings. Foundation, framing, finishes, roofs, architectural dimensions, materials symbols, drawings conventions, and more will be covered. An AutoCAD course that applies procedures from AED 110B, AEC 110C, and AEC 118.
HAW	AEC 123	Residential Planning & Design	3			MATH 66; co-req AEC 120 (or completion)	Architectural design concepts, application of AutoCAD, study models, sketching, and group critiqued presentations of design will be introduced. Application of AEC 110B, 118, and 120 are incorporated. A structural model of a three-bedroom residence will be constructed.
HAW	AEC 130	Residential Working Drawings	3			AEC 120; co-req AEC 131 and 138 (or completion)	Advanced study and application of materials and methods of construction specifically related to two-story dwellings. Projects utilize light wood, steel, and/or masonry construction principles and practices. Course includes basic residential planning, drafting expressions, structural details and complete working drawings of a two-story dwelling. All drawing is done using AutoCAD.
HAW	AEC 138	Structural Drawing	1			co-req AEC 131 (or completion)	Introduction to structural drawing for building construction and includes load analysis, concrete and steel plan and detail drawings, and wood frame design. Drawings to be done with AutoCAD. Emphasis on floor and roof framing, lintels and beams, and posts and columns. Goals is to develop in students a sense and basic understanding of structures in building construction.
HON	AEC 114	Architectural Graphics	3			81; C or higher in ENG 22; MATH 9 or placement in MATH	This is a first course in graphics that is followed by other courses in the AEC program that involve graphical conceptualization and representation. It is comprised of three components: (1) computer architectural modeling in SketchUp or similar program, (2) visualization using AutoCAD and specialized software, and (3) freehand drawing. Perspective drawing, entourage, shadows, descriptive geometry, and sections and rotations, are walkthrough simulations are some of the topics included in the course.
HON	AEC 127	Civil Engineering Drawing	3			53/55/107/140 or	Introduction to civil engineering drawing with AutoCAD and AutoCAD Civil 3D. Maps, surveys, scales and conventions, contours and profi les, site plans, site utilities, topographic models, excavation, retaining walls, highway layout, subdivision and block plans.
HON	AEC 130	Residential Working Drawings	3			C or higher in AEC 120, 124; co-req AEC 131	A core course in the advanced study and application of materials and methods of construction specifically related to two-story dwellings. Projects utilize light wood, steel, and/ or masonry construction principles and practices. Basic residential planning, drafting expressions, architectural details, and complete working drawings. All drawing is done using computer-aided design (CAD) software.

					C or higher in AEC 120;	This course explores the ramifications of codes on building projects. Students apply the material of the
					C or higher in ENG 100;	course relating to zoning, building, and accessibility requirements to drawing projects in the co-requisite
HON	AEC 131	Construction Codes	2		co-req AEC 130	course, AEC 130. This is a lecture-discussion-exercise course.
						Hands-on exploration of materials and construction techniques and introduction to architectural design
						processes. Invetigation of architecture as creation of space generated by human needs and aspirations
UHM	ARCH 101	Basic Architecture Studio	4	DA	none	including analysis of exemplary precedents.
						Perception, design and communication is explored through human perception, multi-sensory reception,
						interpretation of sensory input by the brain and emotional and cultural factors. Elements and principles of
						basic two- and three-dimensional design concepts. Formal/spatial exercises that explore elements,
						surfaces, measure and order in both graphic and architectural contexts. Analytical exercises which
					AEC 123, 135; co-req	examine both existing and self-created orders and studio activities involving thinking, reading, writing,
HAW	AEC 133	Basic Arch Studio A	4	OTHO ELI	C AEC 134 (or completion)	drafting, model making, and especially drawing (freehand, with instruments and computer).
						Materials, Design & Communication. Hands-on exploration of various materials and construction
						techniques and as introduction to various design processes as systematic approaches to solving
						architectural/ environmental design problems. Analysis of architecture as the creation of spaces generated
						by human needs and aspirations and developing concepts to explore and achieve innovative solutions
						responding to these needs. Studio activities involving thinking, reading, writing, model making and a variety of communication techniques with emphasis on the delineation of 3-D spaces using perspective
HAW	AEC 142	Basic Arch Studio B	4	OTHO FLI	C AEC 134	drawing techniques, light notation and computer modeling.
				0		and the same and t
					ARCH 132, and ART 113	Exploration of digital design fundamentals and their application to architectural analysis,
UHM	ARCH 235	Computer Applications in Arch	4		or ART 116	conceptualization, design process, and communication of design intent. Repeatable three times.
						Designed for students interested in CAD drawing. This course is designed for the student with no computer
						aided (CAD) experience. Introduction to AutoCAD's basic drawing commands will be the focus including
					ENG 20R/ESL9, Math	features, functions, and operations such as lines, arcs, circles, symbols, text, dimensions, and
HAW	AEC 110B	Basic AutoCAD	3	OTHO ELI	C 22/50	editing/modifying objects will be explored.
						Designed for students interested in CAD drawing. Advanced application to design and draw construction
						plans utilizing AutoCAD LT. Students will set up drawing sheets for plotting using paper space and model
						space and applications including how to extract information about a drawing. Manipulation of 3-D drawing
HAW	AEC 110C	Basic AutoCAD II	1	OTHO ELI	C ENG 21/51/22 or ESL15	commands will also be introduced if program is available.
						An introduction to AutoDesk 3D Studio VIZ (if available), a high-end 3D modeling and rendering program
						primarily aimed at building design. Topics include the user interface, basic modeling concepts, object
					AEC 118; co-req AEC	creation, material rendering, and lighting. The student will construct several 3D computer models. (If the
					131 and 133 (or	software AutoDesk 3D Studio VIZ is not available, a generic 3D rendering program, possibly ¿Sketch Up¿
HAW	AEC 134	CAD Options I	1	OTHO ELI	C completion)	will be substituted.)

						AEC 137; co-req AEC	This course will introduce the student to ArcView's software for Geographic Information System (GIS), a
						141B and 147 (or	data gathering program, and Global Positioning Systems (GPS) for data gathering of points, lines, features,
HAW	AEC 144	CAD Options II	1	ОТНО	ELEC	completion)	and areas.
						C or higher in AEC 80 or	The foundation AutoCAD course in the Architectural, Engineering and CAD Technologies program. Basic
						81; C or higher in ENG	commands and operations from 2D drawing and editing tools to creating solid models and rendering. 2D
						22; MATH 9 or	drawing, text, dimensions, blocks, hatching, reference fi les, sharing data, 3D drawing, plotting, and more.
						placement in MATH	Designed to qualify students for Autodesk certifi cation. This course also available non-credit in four
HON	AEC 110	Basic AutoCad	4	ОТНО	ELEC	50/53	modules.
							Introduction to structural drawing for building construction—to load analysis, concrete and steel plan and
						C or higher in AEC 120;	detail drawing, and wood frame design and drawing with AutoCAD. Emphases on roof framing, lintels and
						MATH 53 or placement	beams, and posts and columns. The goal is develop in students a "sense" and basic understanding of
HON	AEC 136	Structural Drawing	3	ОТНО	ELEC	in MATH 55/58/135	structure in building construction. This course also available non-credit in three modules
							Advanced 3D modeling and rendering techniques using a high-end computer modeling program aimed
							primarily at building design. Topics include the user interface, basic modeling concepts, scene creation,
						C or higher in AEC 110,	object creation, material rendering, and, lighting. Students construct several 3D computer models. This
HON	AEC 146	Adv Modeling & Presentation	3	ОТНО	ELEC	124	course also available non-credit.
							Exploration of human responses to place, climate, culture, communication, technology, and time, with
							emphasis on the impact of scientific knowledge and architectural design theory on history, culture,
UHM	ARCH 100	Intro to the Built Environment	3	DS		none	sociology, technology and built form.
							Overview of the architectural profession includes professional ethics, industry organizational structure,
							licensing and its educational requirements, typical framework of architectural firms, compensation, model
							codes, awarding of contracts and legal requirements for construction projects, project administration,
							professional organizations, and career opportunities in related fields. Covers the work of significant
							architects and the importance of the creative thinking process and its application to basic design theory.
HAW	AEC 115	Introduction to Architecture	2	ОТНО	ELEC	ENG 20R or ESL 9	Exercises emphasize the development of basic skills used in the design of simplified architectural projects.
							This course explores the evolution of society's physical fabric as revealed by place, climate, culture,
							technology and time. The work of several well-known architects will be examined to study the impact of
				ARCH	100	C or higher in ENG 250-	scientific knowledge and architectural design theory on history, culture, sociology and built form. Students
HON	AEC 135	Intro to the Built Environ	3	DS (eff F	09)	257	will prepare several oral presentations to validate their understanding of the course content.
		Intro to the Built Environment -					Course DELETED - Philosophical development of society's physical fabric as revealed by the range of
HAW	AEC 135	course DELETED	3			course DELETED	representative physical designs.