Deitrich School of Arts and Science
History of Art and Architecture Department (HAA)
Architecture – Design Minor

Those working in many aspects of Civil Engineering, particularly in structural engineering and other building sciences, work intimately with architects. The Architecture – Design Minor provides an opportunity for students to obtain experience and understanding of various aspects of the architecture profession.

The minor requires the completion of 18 credits as follows:

HAA 0940	Approaches to the Built Environment (3cr.)
HAA 1913	Foundation Studio 1 (6cr.) (must receive grade of C or better to progress to HAA 1916)
HAA 1916	Design Studio 1 (6cr.)

One course (3 cr.) in architectural history from an HAA-approved list. HAA 0480 is the preferred course to satisfy this requirements. The following course are also appropriate for CEE students completing the Architecture – Design Minor

HAA 0480	Modern Architecture
HAA 1475	Modernity and Modernism in Housing
HAA 1510	Pittsburgh Architecture and Urbanism
HAA 1531	American Architecture Since Industrialisation
HAA 1920	Introduction to Historic Preservation
HAA 1923	Global Preservation

Two co-requisites are required as follows:

HAA 1912	Architecture + Digital Media 1 (waived for students who have taken a course on AutoCAD in high school or the equivalent course in the department of Civil & Environmental Engineering – ***CEE 109: Computer Methods in Civil Engineering***.)
SA 0130	Foundation Drawing (waived for students who have taken art courses in high school).

NOTES FOR CEE STUDENTS
In addition to the CEE-required design courses in four areas, those completing the Architecture – Design Minor are expected to select at least one CEE Technical elective from the following: CEE 1340, 1341, 2340, 2341, 2343, 2347. Typically, this will be CEE 1340 or 1341 (the other being used as a required design elective). Students are also encouraged to complete CEE 2620 as a CEE elective.

HAA 0940, HAA 0480 and HAA 1913 are accepted as Humanities electives by SSOE. Thus student completing Architecture – Design Minor will satisfy their 'sequence' requirement within HAA. HAA 1916 will satisfy one 3 cr. CEE elective requirement.

Due to the restrictive nature of the Architecture – Design Minor, students must generally begin in their sophomore or even freshman years; it is noted that HAA 1916 is presently only taught in the Spring semester.

Application
This Minor is administered through the History of Art and Architecture Department (HAA). CEE students wishing to pursue this Minor are advised to contact Dr. Harries or Dr. Casson before applying for this Minor.

An example course matrix is provided on the back of this sheet

1st Term	2nd Term	3rd Term	4th Term	5th Term	6th Term	7th Term	8th Term
MATH 0220 (4)	MATH 0230 (4) P: MATH 0220	MATH 0240 (4) P: MATH 0230	MATH 0290 (3) P: MATH 0230	CEE 1330 (3) P: MATH 0290 & ENGR 0141	CEE 1200 (3)	CEE STR DESIGN ELECT* (3) CEE 1340 or 1341	CEE ELECT (3) CEE 1340 or 1341
PHYS 0174 (4) C: MATH 0220	PHYS 0175 (4) P: PHYS 0174 C: MATH 0230	ENGR 0020 (4) P: MATH 0230	SCIENCE ELECT (3)	CEE 1402 (3) P: MATH 0290 & ENGR 0141	CEE 1412 (3) P: CEE 1402 P: ENGR 0020	CEE GEO/WTR or ENV DESIGN ELECT* (3)	CEE SENIOR DESIGN PROJECT** (3)
CHEM 0960 (3)	CHEM 0970 (3) P: CHEM 0960	ENGR 0131 (3) P: PHYS 0174	CEE 1105 (3) C: ENGR 0141	CEE 1811 (3) P: ENGR 0141	SUSTAINABILITY COURSE (3)	CEE GEO/WTR or ENV DESIGN ELECT* (3)	CEE GEO/WTR or ENV DESIGN ELECT* (3)
ENGR 0011 (3)	ENGR 0012 (3) P: ENGR 0011	IE 1040 (3)	ENGR 0141 (3) P: ENGR 0131	ENGR 0151 (3) P: ENGR 0141 and MATH 0290	CEE 1703 (3) P: MATH 0240	ENGR. ELECT (3)	CEE ELECT (3)
HUMANITIES ELECT (3) HAA 0940	HUMANITIES ELECT (3) HAA 0480 or approved	CEE 1503 (3) P: CHEM 0970	CEE 0109 (3) C: MATH 0240; ENGR 0131; and ENGR 0012			HUMANITIES/ SOCIAL SCIENCE ELECT (3)	SOCIAL SCIENCE ELECT (3)
		CEE 0085 (0)	ECON 0100 (3)	FOUNDATION STUDIO (6) HAA 1913 (3rd Humanities elective)	ARCH STUDIO (6) HAA 1916 (spr. semester only) (3 cr. CEE Elect)		
ENGR 0081 (0)	ENGR 0082 (0)	CEE 1085 (0)	CEE 1085 (0)	CEE 1085 (0)	CEE 1085 (0)	CEE 1085 (0)	CEE 1085 (0)
Co-op Credits (ENGR 1090):	SA 0130 waived?		W course satisfied?			Sequence satisfied?	HAA 0940, 0480 and 1913
Term Credits: (17)	(17)	(17)	(18)	(18)	(18)	(15)	(15)
Terms:							
Notes:							
Actions:							

(135 Total Credits)