

## **School of Architecture**

### **ADMINISTRATIVE OFFICER**

Ikhlas Sabouni, *Dean, Architecture*

### **ADMINISTRATIVE STAFF**

Marshall Brown, *Associate Dean*

Matthew Carroll, *Coordinator, Construction Science*

James Griffin, *Coordinator, Community Development*

Barry Norwood, *Coordinator, Pre-professional Program-Architecture*

Clarence Talley, *Coordinator, Art*

Peter Wood, *Coordinator, Professional Program-Architecture*

### **FACULTY**

Caryl Abrahams, *Community Development*

Rick Baldwin, *Community Development*

Jonti Bolles, *Architecture*

Bruce Bockhorn, *Architecture*

Nicole Bradford, *Community Development*

Jamie Crawley, *Architecture*

Harold S. Dorsey, *Art*

Richard Ferrier, *Architecture*

Gail Hook, *Architecture*

Brad McCorkle, *Architecture*

Ben McMillan, *Architecture*

Barry Norwood, *Architecture*

Yunsik Song, *Architecture*

Major Stewart, *CAD*

Louis Williams, *History & Culture*

### **PURPOSE AND GOALS**

The School of Architecture is dedicated to preparing students to play a leadership role in rebuilding America's cities and improving the quality of the built environment. By offering a diverse curriculum led by an accomplished faculty in a computer and studio intensive environment, the School of Architecture will educate significant practitioners and leaders in architecture, planning and construction.

Students majoring in architecture or construction science will be challenged to develop their abilities in problem solving, creative thinking and informed decision making as a focus of their education. They will accomplish this in a student-centered environment that fosters personal development and professional excellence. The location of the School near the City of Houston offers an opportunity for students to enrich their learning experience through access to the greater architectural and construction community of the region and to many employment opportunities in the field.

The School of Architecture offers the Bachelor of Science in Architecture degree and the one-year, Master of Architecture professional degree, the Bachelor of Science in Construction Science degree and the Master of Community Development degree. The Bachelor of Science in Architecture degree is a pre-professional degree with two tracks: Program A, the professional track, leads directly to enrollment in the Master of Architecture professional degree. Program B, the non-professional track, provides a basic education in architecture with the opportunity to study a broad range of elective opportunities. The Bachelor of Architecture degree offered for students entering in the Fall Semester 2001 will be phased out and will not

be available to students entering after that time. The Bachelor of Architecture degree and the Master of Architecture degree are accredited by the National Architectural Accrediting Board (NAAB).

### **Accreditation**

In the United States, most registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit US professional degree programs in architecture, recognizes two types of degrees: the Bachelor of Architecture and the Master of Architecture. A program may be granted a five-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established educational standards.

Masters degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree. (NAAB, 1998)

For qualified entering freshmen and transfer students, the School of Architecture offers the Architectural Concepts Institute (ACI), a special summer program described in the catalog section, "Summer and International Enrichment Programs."

## **INSTRUCTIONAL ORGANIZATION**

The School of Architecture is organized for instructional purposes into the following programs.

### **Programs**

### **Degree Offered**

#### ***Architecture***

Bachelor of Science (B.S.)

#### ***Construction Science***

Bachelor of Science (B.S.)

### **Art Minor**

The faculty of the School of Architecture believes that studies in the fine arts and art history are valuable to the liberal and professional education of all students. Therefore, a number of courses and the Minor in Art are offered to the university community as opportunities to learn some of the basics of art or to develop and area of special ability by completing the requirements for the minor. Students wishing to participate in art classes or the Minor in Art are urged to meet with the appropriate faculty and administrators of the program to develop a curriculum designed to suit their needs.

### **Requirements for Art as a Minor Field .....21 SCH**

ARTS 1203, 1113, 1153, 3113, 3143, and six hours of Art electives chosen from the 3000 or 4000 level art courses

## **HONOR SOCIETIES, CLUBS, AND SERVICE ORGANIZATIONS**

Student organizations play an important role in the socialization of students and in helping students develop skills in leadership and service. All students are encouraged to become active members in the appropriate organizations sponsored by the School of Architecture.

The Prairie View Chapter of the American Institute of Architecture Students (AIAS) is the local membership organization of the national student organization.

The student chapter of the National Organization of Minority Architecture Students (NOMAS) represents a special interest of the students.

The student chapter of Women in Architecture provides a special opportunity for women students majoring in architecture.

The Tau Sigma Delta Honor Society for Architecture and Allied Arts of Design is a national honor society founded to develop scholarship, leadership, and character among the students of the architecture program.

## **ADMISSION REQUIREMENTS**

All applicants must meet the admission requirements of the university.

Beginning students who feel their admission to the university would be enhanced by presenting examples of creative work are encouraged to submit copies of such work directly to the School of Architecture. Submit examples only in an 8½" x 11" format with name, address and social security number clearly displayed. Submit only copies of work, not originals and, if you wish the copies returned, include a self-addressed, postage included envelope with your submission.

### **Transfer Students**

Transfer students from accredited architecture programs will have all credits accepted by the university also accepted by the School of Architecture. Transfer students should contact the School of Architecture for information regarding appropriate placement within the curriculum. Transfer students with non-architectural education backgrounds should contact the school to see if they might participate in an intensive summer study program that would allow them to advance through the architecture requirements with a compressed time schedule.

## **ADMISSION TO THE PROFESSIONAL PROGRAM**

During the Spring Semester of the Third or Junior Year of study, students wishing to pursue the professional degree in architecture will make formal application to that program. Admission will be determined by grade point – overall and in architecture – a review of the student portfolio of work and faculty recommendations. Students admitted to the professional program will complete the Program A - Professional Track in their Senior Year and, in the Spring Semester, apply for admission into the Master of Architecture professional degree program.

Students not accepted into the professional program or those wishing to terminate their architecture education with the Bachelor of Science, non-professional degree, will take a set of prescribed courses in their Senior Year along with a number of free electives. These students may, during the Spring Semester of their Senior Year, reapply for acceptance into the Professional Program in Architecture.

## **ACADEMIC STANDARDS AND ACADEMIC PROGRESS**

To earn credit for a course in architecture and to qualify for the next course in a sequence, a student must have earned a C or better. To repeat a course in architecture more than once, students must have permission of the Dean.

All student projects become the property of the School of Architecture and the School has the right to retain examples of student work for display and other purposes.

## **BACHELOR OF SCIENCE IN ARCHITECTURE DEGREE PROGRAM REQUIREMENTS**

### **Core Curriculum .....42 SCH**

All Architecture Core Curriculum requirements are shown in the suggested degree program.

### **Major Requirements – Program A: Professional Track.....79 SCH**

ARCH 1233, 1266, 2223, 2243, 2256, 2266, 2273, 3256, 3266, 3283, 3294, 3453, 3463, 4433, 4443, 4456, 4476, 4483, 4503

### **Electives ..... 9 SCH**

**Total Degree Requirements .....130 SCH**

**Major Requirements – Program B: Non-Professional Track.....67 SCH**

ARCH 1233, 1266, 2223, 2243, 2256, 2266, 2273, 3256, 3266, 3283, 3294, 3453, 3463,  
4433, 4443, 4483, 4503

**Electives .....21 SCH**

**Total Degree Requirements .....130 SCH**

**Architecture Electives**

ARCH 2693 Theory and Method in Architecture  
ARCH 3013 Construction Estimating  
ARCH 3563 Site and Urban Design  
ARCH 3643 Presentation Techniques  
ARCH 4063 Project Planning and Feasibility  
ARCH 4406 Architectural Internship  
ARCH 4423 Urban Planning  
ARCH 4523 Historic Preservation and Adaptive Reuse  
ARCH 4613 Landscape Architecture  
ARCH 4653 Alternative Energy Design  
ARCH 4673 Introduction to Interior Design  
ARCH 4733 Advanced Computer Aided Design  
ARCH 4776 Urban Design Studio  
ARCH 4973, 4976 Special Topics  
ARCH 4993, 4996 Independent Study

**ARCHITECTURE SUGGESTED DEGREE PROGRAM SEQUENCE**

**FRESHMAN YEAR**

<i>First Semester</i>	<i>Hours</i>	<i>Second Semester</i>	<i>Hours</i>
ARCH 1233 Visual Communications	3	ARCH 1266 Architecture Design II	6
ARCH 1253 Architecture Design I	3	ENGL 1133 Freshman Composition II	3
ARCH 1273 Intro. to Multimedia Computing	3	HIST 1313 The U.S. to 1876	3
SPCH 1003 Fund. of Speech Communication	3	POSC 1113 American Government I	3
MATH 1123 Trigonometry	3	ARCH 2223 Computer Aided Design	3
ENGL 1123 Freshman Composition I	3		
<i>Total</i>	<i>18</i>	<i>Total</i>	<i>18</i>

**SOPHOMORE YEAR**

<i>First Semester</i>	<i>Hours</i>	<i>Second Semester</i>	<i>Hours</i>
ARCH 2233 History and Theory of Arch I	3	ARCH 2243 History and Theory of Arch II	3
ARCH 2256 Architecture Design III	6	ARCH 2266 Architecture Design IV	6
PHYS 2014 General Physics	3	ARCH 2273 Materials and Methods I	3
POSC 1123 American Government II	3	HIST 1323 The U.S. 1876 to Present	3
		Natural Science	3
<i>Total</i>	<i>15</i>	<i>Total</i>	<i>18</i>

**JUNIOR YEAR**

<i>First Semester</i>	<i>Hours</i>	<i>Second Semester</i>	<i>Hours</i>
ARCH 3256 Architecture Design V	6	ARCH 3266 Architecture Design VI	6
ARCH 3294 Structural Systems I	4	ARCH 3463 Environmental Systems II	3
ARCH 3453 Environmental Systems I	3	ARCH 4433 Structural Systems II	3

ARCH 3283	Material and Methods II	3	Social and Behavioral Science	3
<i>Total</i>		<i>16</i>	<i>Total</i>	<i>15</i>

**SENIOR YEAR - Program A: Professional Track**

<i>First Semester</i>		<i>Hours</i>	<i>Second Semester</i>		<i>Hours</i>
ARCH 4456	Architecture Design VII	6	ARCH 4476	Architecture Design VIII	6
ARCH 4483	Structural Systems III	3	ARCH 4503	Methods of Research	3
ARCH 4443	CAD Constr. Docs and Codes	3		Electives	6
	Elective	3			
<i>Total</i>		<i>15</i>	<i>Total</i>		<i>15</i>

**SENIOR YEAR - Program B: Non-Professional Track**

<i>First Semester</i>		<i>Hours</i>	<i>Second Semester</i>		<i>Hours</i>
ARCH 4483	Structural Systems III	3	ARCH 4503	Methods of Research	3
ARCH 4443	CAD Constr. Docs and Codes	3		Electives	12
	Electives	9			
<i>Total</i>		<i>15</i>	<i>Total</i>		<i>15</i>

**BACHELOR OF SCIENCE IN CONSTRUCTION SCIENCE DEGREE PROGRAM**

The Bachelor of Science in Construction Science degree program will prepare professionals for a broad range of positions in the construction industry. Graduates of the program will find careers in planning, estimating, scheduling, coordinating, supervising and managing construction projects and related work and will also have the option to continue their education leading to graduate study in Construction Management.

The curriculum is structured to give the student a broad knowledge of the construction procedures, estimating, materials, methods, law, scheduling and operations along with required courses in business and architecture and general education requirements resulting in a well rounded preparation for entry into the field.

The B.S. in Construction Science degree program requires a total of 136 semester credit hours (SCH): 85 SCH are required of all students; 42 SCH general education requirements; 9 SCH free electives.

**DEGREE PROGRAM REQUIREMENTS**

**Core Curriculum** ..... **42 SCH**

All Construction Science Core Curriculum requirements are shown in the suggested degree program.

**Major Requirements** ..... **87 SCH**

CONS 3533, 3633, 3733, 4403, 4553, 4603, 4633, 4753, 4773, 4821, 4831, ARCH 1233, 2223, 2243, 2273, 3013, 3283, 3294, 3453, 3463, 4433, 4443, 4483, ACCT 2113, CHEM 1033, ECON 2113, FINA 2213, MATH 1113, 2003, MGMT 3103

**Electives** ..... **7 SCH**

**Total Degree Requirements** ..... **136 SCH**

**Construction Science Electives**

CONS 4413 Residential Construction  
 CONS 4423 Commercial Construction  
 CONS 4433 Industrial Construction  
 CONS 4443 Highway/Heavy Construction

CONS 4453 Facilities Management

**CONSTRUCTION SCIENCE SUGGESTED DEGREE PROGRAM SEQUENCE**

**FRESHMAN YEAR**

<i>First Semester</i>		<i>Hours</i>	<i>Second Semester</i>		<i>Hours</i>
ARCH 1233	Visual Communications	3	ARCH 1273	Intro. to Multimedia Computing	3
ARCH 1253	Architecture Design I	3	CHEM 1033	General Inorganic Chemistry	3
ENGL 1123	Freshman Composition I	3	ENGL 1133	Freshman Composition II	3
HIST 1313	U.S. to 1876	3	MATH 1123	Trigonometry	3
SPCH 1003	Fund. of Speech Communication	3	POSC 1113	American Government I	3
MATH 1113	Algebra	3		Social and Behavioral Science	3
<b>Total</b>		<b>18</b>	<b>Total</b>		<b>18</b>

**SOPHOMORE YEAR**

<i>First Semester</i>		<i>Hours</i>	<i>Second Semester</i>		<i>Hours</i>
ACCT 2113	Financial Accounting	3	ARCH 2243	History/Theory of Architecture II	3
ARCH 2223	Computer Aided Design	3	ARCH 2273	Materials and Methods I	3
ARCH 2233	History/Theory of Architecture I	3	ECON 2113	Principles of Microeconomics	3
HIST 1323	The U.S.-1876 to Present	3	FINA 2213	Business Law	3
PHYS 2014	General Physics	4	MATH 2003	Elementary Statistics	3
			POSC 1123	American Government II	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>18</b>

**JUNIOR YEAR**

<i>First Semester</i>		<i>Hours</i>	<i>Second Semester</i>		<i>Hours</i>
ARCH 3283	Materials and Methods II	3	ARCH 3031	Construction Estimating	3
ARCH 3294	Structural Systems I	4	ARCH 4443	CAD Construction Documents	3
ARCH 3453	Environmental Systems I	3	ARCH 3463	Environmental Systems II	3
CONS 3533	Managing Operations	3	ARCH 4433	Structural Systems II	3
CONS 3733	Subdivision and Quantification	3	CONS 3633	Surveying and Soils	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>15</b>

**Summer**

	<i>Hours</i>
CONS 4403 Internship	3

**SENIOR YEAR**

<i>First Semester</i>		<i>Hours</i>	<i>Second Semester</i>		<i>Hours</i>
ARCH 4483	Structural Systems III	3	CONS 4603	Labor and Safety	3
CONS 4553	Construction Delivery Systems	3	CONS 4773	Project Controls	3
CONS 4633	Law and Ethics	3	CONS 4831	Starting a Construction Business	1
CONS 4753	Scheduling and Cost Control	3	MGMT 3103	Principles of Management	3
CONS 4821	Construction Seminar	1		Electives	6
	Social and Behavioral Science	3			
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>