

# CARC - COLLEGE OF ARCHITECTURE (CARC)

## CARC 101 Cultural and Social Issues in the Natural, Built and Virtual Environment

**Credits 3. 3 Lecture Hours.** Introduction to cultural and social issues in planning, design, construction, creativity and the visual arts; exploration of how individual and collective values and beliefs are expressed in the practice of architecture, landscape architecture, urban planning, construction science and the arts; how these fields internalize and reify these values while creating the natural, built and virtual environments; emphasis on civil discourse to help recognize positionality and work collaboratively in a multicultural society.

## CARC 181 First Year Seminar

**Credit 1. 1 Lecture Hour.** Seminar on various contemporary topics; introduction to high quality college instruction and research; focus on writing, speaking, exploration, discussion and research. May be taken two times for credit. **Prerequisite:** First time in college and College of Architecture undergraduate studies.

## CARC 291 Research

**Credits 1 to 4. 1 to 4 Other Hours.** Research conducted under the direction of a faculty member. May be repeated 2 times for credit. **Prerequisites:** Freshman or sophomore classification and approval of instructor.

## CARC 300 College of Architecture Study Abroad

**Credits 1 to 18. 1 to 18 Other Hours.** For students in approved study abroad programs participating in reciprocal educational exchange programs. May be repeated for credit. **Prerequisite:** Junior or senior classification; approval of assistant dean for international programs and initiatives.

## CARC 301 Field Studies in Design Innovation

**Credits 1 to 18. 1 to 18 Other Hours.** Design innovation in international and domestic environments away from the Texas A&M University campus; emphasis on the cultural, social, economic, geographical, climatic and technological factors influencing design solutions for human needs. May be taken up to two times in the same semester. **Prerequisite:** Junior or senior classification; CARC 481; approval of assistant dean for international programs and initiatives.

## CARC 311 Field Studies in Design Communication

**Credits 3. 2 Lecture Hours. 4 Lab Hours.** Design communication in international and domestic environments away from the Texas A&M University campus; emphasis on the tools, methods and techniques for design communication. May be taken up to two times in the same semester. **Prerequisite:** Junior or senior classification; approval of assistant dean for international programs and initiatives.

## CARC 321 Field Studies in Design Technology

**Credits 3. 3 Other Hours.** Design technology in international and domestic environments away from the Texas A&M University campus; emphasis on structural, material and environmental systems and methods of construction utilized to realize design solutions. May be taken up to two times in the same semester. **Prerequisite:** Junior or senior classification; approval of assistant dean for international programs and initiatives.

## CARC 331 Field Studies in Design Philosophy

**Credits 3. 3 Other Hours.** Design philosophy in international and domestic environments away from the Texas A&M University campus; emphasis on the historical, philosophical, cultural, social and economic factors that influence design solutions. May be taken up to two times in the same semester. **Prerequisites:** Junior or senior classification; approval of assistant dean for international programs and initiatives.

## CARC 411 Interdisciplinary Methods on Smart and Connected Communities

**Credits 3. 3 Lecture Hours.** Empirical cases of smart and connected communities; development of critical thinking and teambuilding skills; exposure to interdisciplinary collaboration; exploration of serving vulnerable populations and small communities with emerging technologies; exploration of promises and challenges of disruptive technologies; discussion of community engagement; opportunities and socio-economic disruptions brought by the emerging technologies from a diverse and global perspective; strategies and frameworks to utilize smart-city technologies in a diverse and global society. **Prerequisites:** Junior or senior classification or approval of instructor.

## CARC 412 Interdisciplinary Capstone on Smart and Connected Communities

**Credits 3. 3 Lecture Hours.** Interdisciplinary capstone project; smart and connected communities; scalable interventions to address challenges of small, underserved communities; preparation in critical thinking and creative problem solving; measurable impacts on a real community. Must be taken on a satisfactory/unsatisfactory basis.

## CARC 421 Interdisciplinary Project Delivery Through Real-World Projects

**Credits 1 to 3. 1 to 3 Lecture Hours.** Interaction and observation of interdisciplinary teams of the Built Environment during the planning, designing and/or constructing of real-world project(s). May be taken for credit up to 6 hours. **Prerequisites:** Junior or senior classification; approval of instructor.

## CARC 481 Seminar

**Credits 0-1. 0-1 Other Hours.** Preparatory seminar for select College of Architecture study away and internships; topics include introduction to the language, culture and history of study abroad location. Must be taken prior to the student's study away semester. Must be taken on a satisfactory/unsatisfactory basis. **Prerequisites:** Junior or senior classification; approval of assistant dean for international programs and initiatives.

## **CARC 484 Internship**

**Credits 1 to 6. 0 Lecture Hours. 1 to 6 Other Hours.** Practical experience in a working situation either during the semester or summer; work experience must have relevance to the degree sought and career objectives. **Prerequisite:** Junior or senior classification required; approval of academic advisor required; USAR majors.

## **CARC 485 Directed Studies**

**Credits 1 to 6. 1 to 6 Other Hours.** Individual research in architecture, construction science or landscape architecture in an international or domestic environment away from the Texas A&M University campus. May be taken up to two times in the same semester. **Prerequisite:** Junior or senior classification; approval of assistant dean for international programs and initiatives.

## **CARC 489 Special Topics in...**

**Credits 1 to 4. 1 to 4 Lecture Hours. 0 to 4 Lab Hours.** Selected topics in an identified area of architecture. May be repeated for credit. **Prerequisites:** Junior or senior classification; approval of assistant dean for international programs and initiatives.

## **CARC 491 Research**

**Credits 1 to 4. 1 to 4 Other Hours.** Research conducted under the direction of a faculty member. May be repeated 2 times for credit. **Prerequisites:** Junior or senior classification; approval of assistant dean for international programs and initiatives.