# BSc (Hons) in Architecture and Urban Planning

Developing graduates with solid theoretical knowledge, analytical ability, and practical competence.

**Career Integrated** | **Industry Placement** | **130+ Credits**

## WHY STUDY ARCHITECTURE & URBAN PLANNING AT UTE?

The BSc (Hons) in Architecture and Urban Planning at UTE is designed to prepare students to lead sustainable development in Cambodia and the wider ASEAN region. By blending **Khmer architectural heritage, contemporary urban challenges**, this program trains future architects, planner and policymakers with the creativity, technical skills, and cultural sensitivity needed to shape inclusive and resilient build enviroments.

## STUDENTS DEVELOP EXPERTISE IN:

- Architectural Design & Concept Development
- Urban Planning & Sustainable Development
- Building Construction & Materials
- CAD, 3D Modeling & BIM Software
- Interior & Spatial Design
- Landscape & Enviroment Planning
- Architectural Visualization & Presentation
- Smart Cities & Urban Innovation

**The curriculum is designed based on Outcome-Based Education (OBE) principles and is aligned with Level 6 of the Cambodia Qualifications Framework, as well as international standards.**

## PROGRAM HIGHLIGHTS:

### Industry-Focused Curriculum

Learn modern technologies and tools used by today's technology companies.

### Practical Learning Approach

- Hands-on laboratories
- Coding projects
- Internships
- Capstone
- Projects
- Startup innovation.

### Internship & Industry Placement

Gain real workplace experience through professional internships and industry collaboration.

### Thesis OR Startup

Students may graduate by completing a Research Thesis OR a Digital Startup Business Plan.

### Future-Ready Specializations

- Sustainable Architecture
- Smart Urban Development
- Green Building Design
- Digital Architectural Visualization
- Urban Infrastructure Planning
- Interior & Space Innovation

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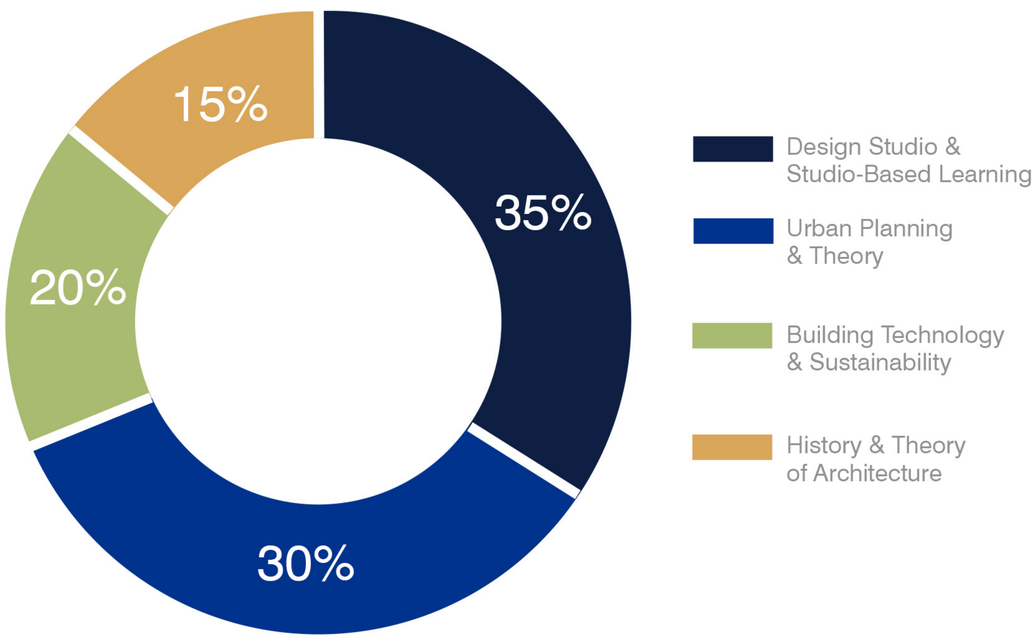
# ARCHITECTURE AND URBAN PLANNING

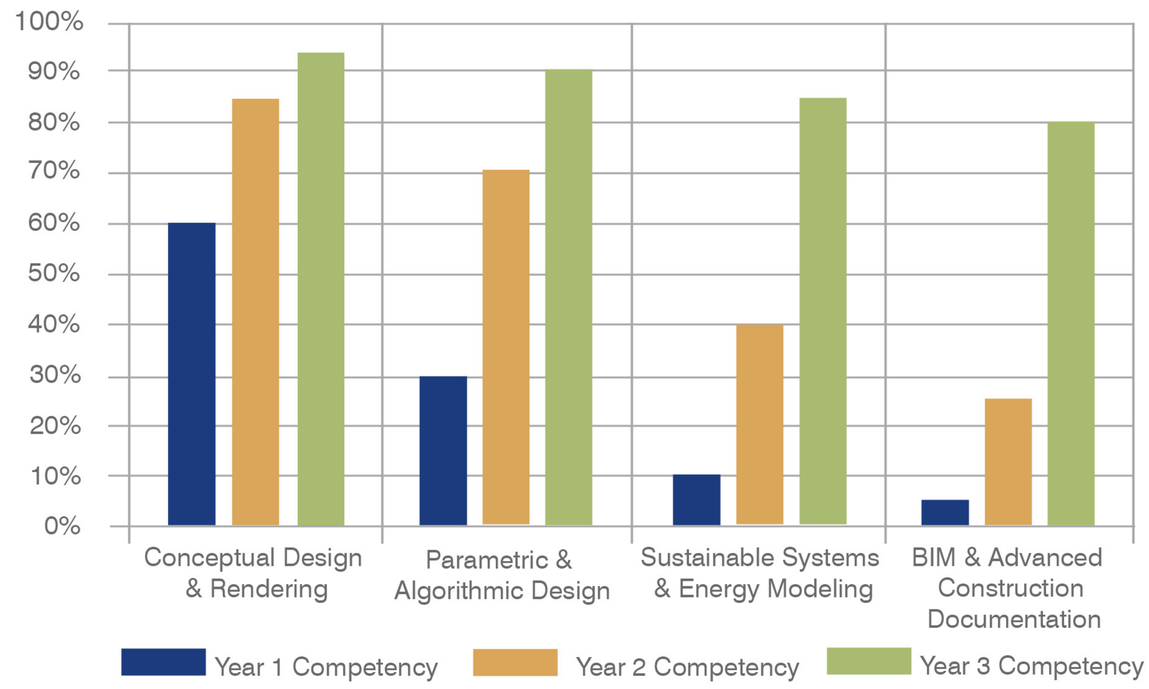
## MASTERY PATHWAY

A COMPREHENSIVE, STUDIO-BASED APPROACH TO MASTER SUSTAINABLE DESING PRINCIPLES, URBAN SYSTEMS, AND ADVANCED TECHNOLOGIES FOR RESILIENT CITIES.

## CURRICULUM COMPOSITION




## TECHNICAL SKILL PROGRESSION




## THE ACADEMIC ROADMAP

### YEAR 1
**FOUNDATIONS OF DESIGN & URBAN SYSTEMS**

Students develop fundamental design skills, understand urban form, and master basic architectural drafting and visualization techniques.

Design Studio | Foundation Course

### YEAR 2
**SUSTAINABLE TECHNOLOGIES & COMPREHENSIVE PLANNING**

Students engage in complex planning scenarios, integrate building systems, and master data-driven design and energy analysis tools.

Comprehensive Studio | Energy Modeling

### YEAR 3
**ADVANCED SPECIALIZATION & URBAN IMPACT**

Students pursue individual research, engage in large-scale urban interventions, and implement advanced digital fabrication methods.

Thesis Prep | Specialization Studio

## THE FINAL EXIT: PROFESSIONAL PRACTICE & INNOVATION

Upon completion of the core curriculum, students must choose one of two distinct paths to qualify for graduation. Both paths require a formal defense.

### DESIGN-RESEARCH THESIS

Designed for students pursuing theoretical or technical research that culminates in a comprehensive, research-based architectural and urban proposal.

**REQUIREMENT** 8,000-word Thesis & Viva Voce.

**OR**

### PROFESSIONAL PRACTICE PORTFOLIO

Designed for students focused on direct professional entry. Developed a detailed portfolio and a fully coordinated BIM project demonstrating complex technical integration.

**REQUIREMENT** Functional MVP & Investor-Ready Pitch Deck.

## CAREER OPPORTUNITIES

Graduates may pursue careers as:

- Architectural Designer / Junior Architect
- BIM Coordinator or CAD Technician
- Sustainable Design Consultant
- Construction Site Architect
- Heritage Conservation Officer
- Visualization & Rendering Specialist
- Urban Planner/ City Designer
- Housing and Settlement Officer
- GIS and Spatial Data Analyst
- Transport & Infrastructure Planner
- Resilience and Climate Adaptation Planner
- Real Estate and Development Analyst