STUDENT PERFORMANCE CRITERIA
University of Illinois at Urbana-Champaign
School of Architecture
2009 NAAB Accreditation
x = demonstrated

	18. Structural Systems - *Understanding* of principles of structural behavior in withstanding gravity and lateral forces and the evolution, range, and appropriate application of contemporary structural systems. (Understanding)	**19. Environmental Systems** - *Understanding* of the basic principles and appropriate application and performance of environmental systems, including acoustical, lighting, and climate modification systems, and energy use, integrated with the building envelope. (Understanding)	**20. Life Safety** - *Understanding* of the basic principles of life-safety systems with an emphasis on egress. (Understanding)	**21. Building Envelope Systems** - *Understanding* of the basic principles and appropriate application and performance of building envelope materials and assemblies. (Understanding)	**22. Building Service Systems** - *Understanding* of the basic principles and appropriate application and performance of plumbing, electrical, vertical transportation, communication, security, and fire protection systems. (Understanding)	**23. Building Systems Integration** - *Ability* to assess, select, and conceptually integrate structural systems, building envelope systems, environmental systems, life-safety systems, and building service systems into building design. (Ability)	**24. Building Materials and Assemblies** - *Understanding* of the basic principles and appropriate application and performance of construction materials, products, components, and assemblies, including their environmental impact and reuse. (Understanding)	**25. Construction Cost Control** - *Understanding* of the fundamentals of building cost, lifecycle cost, and construction estimating. (Understanding)	**26. Technical Documentation** - *Ability* to make technically precise drawings and write outline specifications for a proposed design. (Ability)	**27. Client Role in Architecture** - *Understanding* of the responsibility of the architect to elicit, understand, and resolve the needs of the client, owner, and user. (Understanding)	**28. Comprehensive Design** - *Ability* to produce a comprehensive architectural project based on a building program and site that includes development of programmed spaces demonstrating an understanding of structural and environmental systems, building envelope systems, life-safety provisions, wall sections and building assemblies and the principles of sustainability. (Ability)	**29. Architect's Administrative Roles** - *Understanding* of obtaining commissions and negotiating contracts, managing personnel and selecting consultants, recommending project delivery methods, and forms of service contracts. (Understanding)	**30. Architectural Practice** - *Understanding* of the basic principles and legal aspects of practice organization, financial management, business planning, time and project management, risk mitigation, and mediation and arbitration as well as an understanding of trends that affect practice, such as globalization, outsourcing, project delivery, expanding practice settings, diversity, and others. (Understanding)	**31. Professional Development** - *Understanding* of the role of internship in obtaining licensure and registration and the mutual rights and responsibilities of interns and employers. (Understanding)	**32. Leadership** - *Understanding* of the need for architects to provide leadership in the building design and construction process and on issues of growth, development, and aesthetics in their communities. (Understanding)	**33. Legal Responsibilities** - *Understanding* of the architect's responsibility as determined by registration law, building codes and regulations, professional service contracts, zoning and subdivision ordinances, environmental regulation, historic preservation laws, and accessibility laws. (Understanding)	**34. Ethics and Professional Judgment** - *Understanding* of the ethical issues involved in the formation of professional judgment in architectural design and practice. (Understanding)
ARCH 101 Introduction to Architecture																		
ARCH 210 Intro to the Hist of Arch																		
ARCH 231 Anatomy of Buildings	X		X	X			X	X										X
ARCH 232 Construction of Buildings	X		X	X			X	X										X
ARCH 271 Graphics for Architects																		
ARCH 272 Strategies of Arch Design																		
ARCH 341 Environment Tech HVAC		X	X	X	X	X	X		X									
ARCH 342 Environment Tech Ltg & Acoust		X	X	X		X			X									
ARCH 351 Statics & Dynamics	X		X															
ARCH 352 Mech of Mat & Design Appl	X		X				X									X		X
ARCH 373 Arch Design and the Landscape																		
ARCH 374 Arch Design and the City			X															
ARCH 41x Arch History Electives (3 courses)										X						X		
ARCH 432 Construction of Buildings	X		X	X			X	X										X
ARCH 451 Theory & Design Steel & Timber	X		X				X											
ARCH 452 Theory of Reinforced Concrete	X		X				X											
ARCH 475 Arch Design & Development	X	X	X	X	X	X	X		X		X							X
ARCH 501 Architectural Practice			X					X	X	X		X	X	X	X	X		X
ARCH 502 Structural Planning	X		X			X	X		X								X	
ARCH 571 Architectural Design Studio	X	X	X	X	X	X	X		X		X							X
ARCH 572 Architectural Design Studio	X	X	X	X	X	X	X		X		X							X
ARCH 573 Architectural Design Studio	X	X	X	X	X		X			X						X	X	X
ARCH 574 Architectural Design Studio	X	X	X	X	X	X	X	X	X	X	X				X	X	X	X
MATH 220 Calculus																		
MATH 231 Calculus II																		
RHET 105																		
UP 101 Planning of Cities and Regions																		