The University of Alabama

Programming & Design Process for Design & Construction Projects

**INITIATION**
- User Initiated Project Initiation Request (PIR)
- Annual Capital Development Plan
- Deferred Maintenance Plan
- Strategic Goal Initiative

**PLANNING**
- User Group - Project Goals & Needs Analysis
- UA Master Plan - Project Feasibility & Campus Needs Analysis

**PROGRAMMING**
- User - Program, Space, Adjacency, Sq ft
- Arch - Exterior Expression & Character
- BIM - Model Integrity

**CONCEPT**
- User - Program, Space, Adjacency, Sq ft
- Arch - Exterior Expression & Character
- BIM - Model Integrity

**DESIGN**
- User - Program, Space, Adjacency, Sq ft
- Arch - Exterior Expression & Character
- BIM - Model Integrity

**CONSTRUCTION**
- User - Program, Space, Adjacency, Sq ft
- Archive - Exterior Expression & Character
- BIM - Model Integrity

Activities
- Initial Project Idea/Need
- Basis of Need Analysis
- Analysis of Relationship to Existing UA Programs
- Internal Brainstorming
- Master Plan Feasibility
- Cost/Benefit Study
- EF Assessments
- Long-Term Feasibility
- Utilization of Similar Spaces
- Reorganization Potential Study
- Complete Preliminary Project Execution Strategy & Schedule

Activities
- Project Goal Setting
- User Space Inventory
- Pedagogical Supportive Assessment
- Functional Relationships
- Departmental Needs
- Audio/Visual assessment to support Teaching/Learning
- Growth Projections
- Long-Term Considerations
- UAS Master Planning - Campus Needs Analysis
- UA Construction Administration - Order of Mag Budget

Activities
- Initial Building Design
- Floor Plan Development
- Site Constraint Development
- Exterior Appearance
- Functional Review
- Material Studies & Budget
- User Review for Scope & Budget

Activities
- Building Systems Design
- Str, Mech, Plumb, Elec
- Fire Plan Refinement
- Final User Approval of Spaces
- Exterior Detail Development
- Performance Analysis for Energy
- Performance Analysis for Systems
- Detailed Budget Analysis
- Site Design Detail - Utilities, Topo, etc
- Building Construction Details

Activities
- Completion of Building Details
- Coordination of all Building Systems
- Final Systems Design - S, M, E, FP
- Final Site Design
- User Approval of Final Equipment & Finishes
- Final Material Selections throughout
- Final Aesthetic Review
- Final Budget Alignment
- Final Energy Assessment
- UA Design Standards Compliance Review
- BIM Model Level 300 Compliance