

BS, Building Sciences/Architectural Technology and Design Concentration

BS_577B

College of Fine & Applied Arts

Department of Technology and Environmental Design

2014-2015



This four year guide is a recommended semester-by semester plan of study for this major. All four year guides are meant as examples of how a degree can be completed in four years. Individual plans will be developed for each student in consultation with the academic advisor. Prior credit, course availability, and student needs must be considered in developing the individual plan.

Shaded areas of guide require special attention.

| Course Subject and Title | Credit Hours | Min. Grade | Major GPA | Important Notes |
|--------------------------|--------------|------------|-----------|-----------------|
|--------------------------|--------------|------------|-----------|-----------------|

Semester One: [16-17 Credit Hours]

| | | | | |
|------------------------------------------|-----|----|--|-------------------------------------------------------------------|
| TEC 2029: Society and Technology | 3 | C- | | May count in GEN ED: Local to Global: Sustainability |
| MAT 1025: Algebra & Elementary Functions | 4 | C- | | Fulfills GEN ED: Quantitative Literacy |
| UCO 1200: First Year Seminar | 3 | | | Fall or Spring of freshman year |
| ENG 1000: Expository Writing | 3 | | | Fall or Spring of freshman year |
| PHY 1103 OR GEN ED: Perspective Course | 3-4 | | | PHY 1103 required for major; may apply to GEN ED: Science Inquiry |

Semester Two: [15-16 Credit Hours]

| | | | | |
|-------------------------------------------|-----|---|--|---------------------------------------------------------------------------|
| TEC 1728: Architectural Graphics | 3 | C | | Fall or Spring of freshman year; prerequisite or co-requisite is TEC 1708 |
| TEC 1708: Construction Tech | 3 | C | | Fall or Spring of freshman year |
| TEC 2758: Surveying, Soils, & Foundations | 3 | C | | |
| GEN ED: Perspective Course | 3 | | | |
| PHY 1104 or GEN ED: Perspective Course | 3-4 | | | PHY 1104 required for major; may apply to GEN ED: Science Inquiry |

Semester Three : [15-16 Credit Hours]

| | | | | |
|----------------------------------------|-----|---|--|----------------------------------------------------------|
| TEC 2718: Bldg Mechanical Systems | 3 | C | | Fall or Spring semester |
| INT 1001: Visual Literacy I | 3 | C | | Offered Fall and Summer I semesters only |
| ENG 2001: Intro Writing | 3 | | | Fall or Spring of sophomore year |
| GEN ED: Perspective Course or PHY 1103 | 3-4 | | | Required for major: may apply to GEN ED: Science Inquiry |
| GEN ED: Perspective | 3 | | | |

Semester Four: [15-16 Credit Hours]

| | | | | |
|----------------------------------------|-----|---|--|---------------------------------------------------------------------------------------------------------------------------------|
| TEC 3038: Comm Construction Technology | 3 | C | | Writing in the Discipline (WID) |
| INT 1002: Visual Literacy II | 3 | C | | Offered Spring and Summer II semesters only |
| INT 2310: History of Interior Design | 3 | C | | Offered Spring semester only; requires successful completion of portfolio review as pre-requisite, or permission of instructor. |
| GEN ED: Perspective Course or PHY 1104 | 3-4 | | | |
| GEN ED: Perspective Course | 3 | | | |

Semester Five: [13 - 14 Credit Hours]

| | | | | |
|------------------------------------------|-----|---|--|--------------------------------------------------------------------------------------------------|
| TEC 3039: Materials Science | 3 | C | | |
| TEC 3718: Construction Estimating | 3 | C | | |
| INT 3001: Arch & Des Internship Workshop | 1 | C | | Offered Fall semester only; requires successful completion of portfolio review as pre-requisite. |
| TEC 3728: Arch Design Studio I | 3 | C | | |
| Major Elective | 3-4 | | | Choose from courses on the Program of Study |



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Semester Six: [15-16 Credit Hours]

| | | | | |
|--------------------------------------------|-----|---|--|---------------------------------------------|
| TEC 3748: Building Science | 3 | C | | |
| TEC 3758: Arch Design Studio II | 3 | C | | Offered Spring semester only |
| TEC 3738: Statics & Strength of Structures | 3 | C | | |
| Major Elective | 3 | | | Choose from courses on the Program of Study |
| Major Elective | 3-4 | | | Choose from courses on the Program of Study |

Summer Session [6 Credit Hours]

| | | | | |
|----------------------|---|--|--|------------------------------------------------------------------------------------|
| TEC 4900: Internship | 6 | | | Capstone (CAP); take during the summer between the Junior and Senior year or later |
|----------------------|---|--|--|------------------------------------------------------------------------------------|

Semester Seven: [14-15 Credit Hours]

| | | | | |
|----------------------------------|-----|---|--|---------------------------------------------|
| TEC 4738: Arch Design Studio III | 4 | C | | Offered Fall semester only |
| Major Elective | 3 | | | Choose from courses on the Program of Study |
| GEN ED: Perspective | 3 | | | |
| GEN ED: Wellness Literacy | 1-2 | | | |
| Free Elective | 3 | | | 2 s.h. must be from outside the discipline |

Semester Eight: [13-14 Credit Hours]

| | | | | |
|--------------------------------------------|-----|---|--|----------------------------------------|
| TEC 4748: Arch Design Studio IV | 4 | C | | Offered Spring semester only |
| TEC 4758 or TEC 4768 | 3 | C | | Fall or Spring semester of senior year |
| INT 4320: Professional Practices in Design | 2 | C | | Offered Spring semester only |
| GEN ED: Wellness Literacy | 1-2 | | | |
| Free Elective | 3 | | | |



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|--------------------------|--------------|------------|-----------|-----------------|

General Requirements Summary

| Minimum Total Hours | Gen Ed. Hours | Writing | Minimum | |
|---------------------|---------------|-----------------------|-----------|-------------|
| | | | Major GPA | Overall GPA |
| 122 | 44 | ENG 1000 and ENG 2001 | 2.0 | 2.0 |

General Education Program Model - 44 Semester Hours Total

| Program Categories | Hours | Important Notes – <i>Be sure to check for Gen Ed courses required in your major</i> |
|-----------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------|
| First Year Seminar | 3 | Can be taken first or second semester of freshman year |
| Wellness Literacy | 2 | |
| Quantitative Literacy | 4 | |
| First Year Writing | 3 | Can be taken first or second semester of freshman year |
| Sophomore Writing | 3 | |
| Perspectives: | 29 | You must have two six hour themes, one nine hour theme, and have met the Fine Art, Historical Studies and the Literary Studies designations. |
| Aesthetic | 6 or 9 | |
| Historical & Social | 6 or 9 | |
| Local to Global | 6 or 9 | TEC 2029 may count in theme: Sustainability & Global Change |
| Science Inquiry | 8 | PHY 1103 and PHY 1104 required in the major may apply here |

Additional Notes:

- TEC 4900 Internship (6 sh) should be taken in the summer between the Junior and Senior year or later.
- After completion of TEC 1728 and TEC 2708, students will take the Building Science Competency Exam (a minimum grade of 70 in each part is required before taking Advanced Coursework).
- A minor is not required but a minor in Community and Regional Planning is recommended.
- Must satisfactorily complete Portfolio Review prior to enrollment in any advanced coursework.