

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Architectural Technology
Associate in Applied Science Degree

Curriculum Code: 0233 (Effective Fall 2007 – Summer 2012)

The Architectural Studies Program offers students interested in the field of architecture a comprehensive program of study, involving all aspects of the contemporary architectural profession. Graduates of this program are prepared to work as para-professionals in the offices of registered architects, engineers, interior designers, residential designers and builders, component suppliers and manufacturers, assisting those offices with the preparation of drawn documentation, design work, research, and field supervision. Students within this option area are also prepared to pursue a higher degree in architecture. **Not all courses in this program transfer to all colleges.** Students planning to transfer should see an academic advisor or counselor before enrolling in any course.

PREREQUISITES

Students should see *Course Descriptions* or *Course Offerings* for course prerequisite information. See the *Assessment and Placement Testing* section for skills assessment and advising information.

INFORMATION

Contact the Environmental, Design and Building Technologies Department, West Campus Building, Room M103, telephone number (517) 483-5338 (Website: <http://www.lcc.edu/cmt/architecture/>) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5510.

REQUIREMENTS (See Notes 1 and 2)

| CODE | TITLE | TOTAL: 43 CREDITS CREDIT HOURS |
|---------|--|-----------------------------------|
| ARCH110 | Visual Communications I (See Note 1) | 3 |
| ARCH111 | Architectural Design Fundamentals | 3 |
| ARCH112 | Residential Planning | 3 |
| ARCH114 | Architectural Drawing/Basic CAD (See Note 2) | 4 |
| ARCH116 | Materials of Construction | 4 |
| ARCH146 | Preservation/Adaptive Use Architecture | 3 |
| ARCH214 | Structural Theory | 4 |
| ARCH218 | Commercial Architectural Planning | 4 |
| ARCH220 | Commercial Architectural Drawing | 4 |
| BLDT277 | Construction Cost Estimating | 4 |
| BLDT281 | Michigan Residential & Building Codes | 3 |
| PHYS120 | The Art of Physics | 4 |

LIMITED CHOICE REQUIREMENTS**TOTAL: 29–33 CREDITS**Complete the indicated number of credits from **EACH CHOICE** listed below.**CHOICE 1: General Education Core Areas****6–8 Credits**(See *General Education Core Requirements* for information on how to fulfill these requirements.)

Core area proficiency exams, where appropriate, are available for each core area.)

| | |
|---|-----|
| Communication Core Area | 3–4 |
| Global Perspectives and Diversity Core Area | 3–4 |
| Mathematics Core Area (See Note 3) | 0 |
| Science Core Area (See Note 4) | 0 |
| Writing Core Area (See Note 5) | 0 |

CHOICE 2: Mathematics**3 Credits**

| | | |
|---------|--------------------------|---|
| MATH118 | The Art of Geometry | 3 |
| MATH119 | Investigations with Math | 3 |

CHOICE 3: Writing**3 Credits**

| | | |
|---------|-------------------|---|
| WRIT124 | Technical Writing | 3 |
| WRIT127 | Business Writing | 3 |

CHOICE 4: Computer Graphics**7–8 Credits**

| | | |
|---------|---|-----|
| ARCH232 | AutoCAD Architectural Desktop | 4 |
| ARCH233 | Autodesk Revit Building | 3 |
| ARCH235 | Architectural AutoCAD Independent Study | 1–4 |

CHOICE 5: Materials, Structures and Systems**7–8 Credits**

| | | |
|---------|------------------------------|---|
| ARCH273 | Environmental Systems | 4 |
| ARCH276 | Alternative Structures | 3 |
| ARCH278 | Building Science | 4 |
| BLDT103 | Structural Blueprint Reading | 4 |

CHOICE 6: Design/History**3 Credits**

| | | |
|---------|---|---|
| ARCH126 | Architectural Model Building (See Note 1) | 3 |
| ARCH142 | History of Architecture II | 3 |
| ARCH211 | Design Studio | 3 |

MINIMUM TOTAL**72****NOTES:**

1. This curriculum requires basic architectural drafting skills attained in ARCH100 or an equivalent high school drafting course. Students may waive ARCH100 by passing the drafting placement test with a score of 80% or higher.
2. This curriculum requires Microsoft Windows skills attained in METD105 or CITF108. Students may waive this prerequisite by passing the MS Windows Assessment Test with a score of 80% or higher.
3. Students must complete one course from CHOICE 2 to fulfill the requirements for the Mathematics Core area.
4. Students completing "REQUIREMENTS" have fulfilled the requirements for this Core area.
5. Students must complete one course from CHOICE 3 to fulfill the requirements for the Writing Core area.

SUGGESTED COURSE SEQUENCE

Students should see course descriptions to find out when departments plan to offer courses. Students who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor or counselor for help with adjustments.

| I | II | III | IV |
|----------|----------|----------|----------|
| ARCH110 | ARCH114 | Lim.Ch.1 | ARCH146 |
| ARCH111 | ARCH116 | Lim.Ch.1 | ARCH214 |
| ARCH112 | PHYS120 | Lim.Ch.3 | ARCH218 |
| BLDT281 | Lim.Ch.5 | | Lim.Ch.4 |
| Lim.Ch.2 | Lim.Ch.5 | | |
| <hr/> | | | |
| V | | | |
| ARCH220 | | | |
| BLDT277 | | | |
| Lim.Ch.4 | | | |
| Lim.Ch.6 | | | |