

**Des Moines Area Community College**  
**Associate of Applied Science (A.A.S.) – Architectural Technologies**  
 Transfer guide to the [University of Northern Iowa](#)  
**Bachelor of Science (B.S.) – Construction Management**

**1. When will I graduate?**

Students transferring to UNI from this A.A.S. program at DMACC should **expect to take 75 credits at UNI**. Assuming that the student is starting at UNI during the fall semester, it will take roughly five semesters (two and a half years, a fall/spring/fall/spring/fall sequence), with no summer coursework, to graduate.

| <b>Transfer Credit Summary</b>                        | <b>Credits</b>           |
|---|--------------------------|
| A.A.S. credits transferring directly into UNI program | 33                       |
| Other credits transferring to UNI                     | 12                       |
| Total credits transferring towards UNI degree         | 45                       |
| <b>Total credits needed at UNI</b>                    | <b>75</b><br>(120 total) |

**2. What A.A.S. courses transfer?**

Upon completion of this A.A.S. degree, the following courses within the listed program at UNI will be completed:

- MATH 1150 – Calculus for Technology (4 cred.)
  - Students must complete MAT 211 – Calculus I **or** MAT 773 – Applied Math II at DMACC.
- TECH CM 1000 – Introduction to Construction Processes (3 cred.)
- TECH 1016 – Computer-Aided Design (2 cred.)
- TECH CM 1100 – Construction Documents (3 cred.)
- TECH CM 2050 – Construction Law (3 cred.)
- Additional university electives transferring (18 cred.)

**3. What other courses transfer?**

Other courses built into this A.A.S. curriculum, or open electives, will also transfer to UNI. The following courses are recommended to take at DMACC as part of this A.A.S. curriculum:

- A.A.S Degree core Social & Behavioral Sciences/Humanities elective (3 cred.)
  - Students should complete ART 101 – Art Appreciation **or** MUS 101 – Music Appreciation at DMACC.
- ENG 105 – Composition I & ENG 106 – Composition II (3 cred.)
  - Students must complete ENG 105 – Composition I & ENG 106 – Composition II at DMACC to transfer Written Communication credit to UNI.
- HIS 110 – Western Civilization: Ancient to Early Modern (3 cred.)
- HIS 111 – Western Civilization: Early Modern to Present (3 cred.)



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#### 4. What would I study at UNI?

By completing the recommended A.A.S. degree plan, the student would be required to complete the courses in black, listed below, at UNI.

| Math/Science Coursework |                                    | Cr.          |
|-------------------------|------------------------------------|--------------|
| CHEM 1020               | Chemical Technology                | 4            |
| <del>MATH 1150</del>    | <del>Calculus for Technology</del> | <del>4</del> |
| PHYSICS 1511            | General Physics I                  | 4            |
| STAT 1772               | Intro to Statistical Methods       | 3            |
| Total Credits Remaining |                                    | 11           |

| Construction Sciences   |  | Cr.          |
|-------------------------|--|--------------|
| ENGR 1000               | Intro. to Eng. & Prof. Practices           | 3            |
| PHIL 1560               | Science, Technology & Ethics               | 3            |
| <del>TECH CM 1000</del> | <del>Intro to Construction Processes</del> | <del>3</del> |
| TECH 1015               | Introduction to Sustainability             | 3            |
| <del>TECH 1016</del>    | <del>Computer-Aided Design</del>           | <del>2</del> |
| TECH CM 1050            | Construction Safety                        | 3            |
| <del>TECH CM 1100</del> | <del>Construction Documents</del>          | <del>3</del> |
| TECH CM 2000            | Construction Surveying                     | 3            |
| <del>TECH CM 2050</del> | <del>Construction Law</del>                | <del>3</del> |
| TECH CM 2200            | Construction Management                    | 3            |
| TECH CM 2300            | Building Services                          | 3            |
| ENGR 2080               | Statics                                    | 2            |
| ENGR 2180               | Strengths of Materials                     | 2            |
| TECH CM 3000            | Civil Construction                         | 3            |
| TECH CM 3050            | Construction Estimating                    | 3            |
| TECH CM 3150            | Constr. Planning & Scheduling              | 3            |
| TECH CM 3300            | Pre-Construction Management                | 3            |
| TECH CM 4200            | Structural Comp. in Const.                 | 3            |
| TECH CM 4350            | Const. Company Ops. & Mgmt.                | 3            |
| ENGR 4500               | Senior Design                              | 3            |
| Total Credits Remaining |  | 46           |

| Math/Science Coursework |                                | Cr. |
|-------------------------|--------------------------------|-----|
| ACCT 2120               | Princ. of Financial Accounting | 3   |
| ECON 1031               | Intro to Economics             | 3   |
| ENGLISH 3772            | Tech. Writing for Eng. Tech.   | 3   |
| MGMT 3100               | Legal & Social Env. of Bus.    | 3   |
| Total Credits Remaining |                                | 12  |

| UNI Foundational Inquiry (UNIFI)                |  | Cr.           |
|---|--|---------------|
| <del>WR – Written Communication</del>           |  | <del>3</del>  |
| OC - Oral Communication                         |  | 3             |
| <del>QR – Quantitative Reasoning</del>          |  | <del>3</del>  |
| HD - Human Condition (Domestic)                 |  | 3             |
| <del>HG – Human Condition (Global)</del>        |  | <del>3</del>  |
| <del>SR – Scientific Reasoning (with Lab)</del> |  | <del>4</del>  |
| HE – Human Expression                           |  | 3             |
| RE – Responsibility                             |  | 3             |
| <del>UNIFI certificate or UNIFI electives</del> |  | <del>12</del> |
| Total UNIFI Credits Remaining                   |  | 6             |

Credits needed to earn UNI degree 75

#### 5. How would I complete my degree?

Based on the remaining coursework, below is a semester-by-semester breakdown of how the student would complete any remaining requirements at UNI.

| Fall 1       | Cr. |
|--------------|-----|
| PHYSICS 1511 | 4   |
| ENGR 1000    | 3   |
| PHIL 1560    | 3   |
| TECH CM 1050 | 3   |
| TECH CM 2000 | 3   |
| Total        | 16  |

| Spring 1     | Cr. |
|--------------|-----|
| CHEM 1020    | 4   |
| TECH 1015    | 3   |
| TECH CM 2200 | 3   |
| TECH CM 2300 | 3   |
| ECON 1031    | 3   |
| Total        | 16  |

| Fall 2       | Cr. |
|--------------|-----|
| STAT 1772    | 3   |
| ENGR 2080    | 2   |
| TECH CM 3000 | 3   |
| TECH CM 3050 | 3   |
| ACCT 2120    | 3   |
| Total        | 14  |

| Spring 2     | Cr. |
|--------------|-----|
| ENGR 2180    | 2   |
| TECH CM 3150 | 3   |
| TECH CM 3300 | 3   |
| TECH CM 4350 | 3   |
| ENGLISH 3772 | 3   |
| Total        | 14  |

| Fall 3       | Cr. |
|--------------|-----|
| TECH CM 4200 | 3   |
| ENGR 4500    | 3   |
| MGMT 3100    | 3   |
| UNIFI course | 3   |
| UNIFI course | 3   |
| Total        | 15  |

#### Other Important Information

- This transfer guide is based off of the 2023-2024 academic catalogs at UNI & Des Moines Area Community College and includes future adjustments to the UNI curriculum.
- Courses listed in the Remaining UNI Plan of Study section are subject to change at any time and are based on a fall semester start.
- This transfer guide assumes the student is only transferring in coursework from this A.A.S. degree plan. Students **may transfer additional credits to UNI**, which will be evaluated on an individual basis.
- The UNI Foundational Inquiry (UNIFI) at UNI is the collection of general education courses required by the institution to fulfill the universities mission. For more information, visit [unifi.uni.edu](http://unifi.uni.edu).