

**Des Moines Area Community College**  
**Associate of Applied Science (A.A.S.) – Civil Engineering Technology**  
 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	39
Other credits transferring to UNI	6
Total credits transferring towards UNI degree	45
<b>Total credits needed at UNI</b>	<b>75</b> (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 – Technical 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 2000 – Surveying (3 cred.)
- TECH CM 3000 – Civil Construction (3 cred.)
- ENGLISH 3772 – Technical Writing for Engineering Technologists (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.
- SPC 101 – Fundamentals of Oral Communication **or** SPC 122 – Interpersonal Communication (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
<b>Total Credits Remaining</b>		<b>11</b>

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>
<del>TECH CM 2000</del>	<del>Surveying</del>	<del>3</del>
TECH CM 2050	Construction Law	3
TECH CM 2200	Construction Management	3
TECH CM 2300	Building Services	3
ENGR 2080	Statics	2
ENGR 2180	Strengths of Materials	2
<del>TECH CM 3000</del>	<del>Civil Construction</del>	<del>3</del>
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
<b>Total Credits Remaining</b>		<b>43</b>

Math/Science Coursework		Cr.
ACCT 2120	Princ. of Financial Accounting	3
ECON 1031	Intro to Economics	3
<del>ENGLISH 3772</del>	<del>Tech. Writing for Eng. Tech.</del>	<del>3</del>
MGMT 3100	Legal & Social Env. of Bus.	3
<b>Total Credits Remaining</b>		<b>9</b>

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

**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 2050	3
<b>Total</b>	<b>16</b>

Fall 2	Cr.
STAT 1772	3
ENGR 2080	2
TECH CM 3050	3
ACCT 2120	3
UNIFI course	3
<b>Total</b>	<b>14</b>

Fall 3	Cr.
TECH CM 4200	3
ENGR 4500	3
MGMT 3100	3
UNIFI course	3
UNIFI course	3
<b>Total</b>	<b>15</b>

Spring 1	Cr.
CHEM 1020	4
TECH 1015	3
TECH CM 2200	3
TECH CM 2300	3
ECON 1031	3
<b>Total</b>	<b>16</b>

Spring 2	Cr.
ENGR 2180	2
TECH CM 3150	3
TECH CM 3300	3
TECH CM 4350	3
UNIFI course	3
<b>Total</b>	<b>14</b>

#### 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).