

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 69 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.

Transfer Credit Summary	Credits
A.A.S. credits transferring directly into UNI program	21
Other credits transferring to UNI (Gen eds or electives)	30
Total credits transferring towards UNI degree	51
Total credits needed at UNI	69 (120 total)

2. Which A.A.S. courses transfer directly into the CM major?

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 Management Materials & Methods (3 cred.)
- TECH 1016 – Computer-Aided Design & Drafting (2 cred.)
- TECH CM 1100 – Construction Documents (3 cred.)
- TECH CM 2000 – Land, Route & Construction Surveying (3 cred.)
- TECH CM 3000 – Heavy Construction Operations & Equipment (3 cred.)
- ENGLISH 3772 – Technical Writing for Engineering Technologists (3 cred.)

3. Which A.A.S. courses transfer directly to UNI as “gen eds” or electives?

Other general education courses built into this A.A.S. curriculum, or open electives, will also transfer to UNI.

- 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.)
- Additional university electives transferring (24 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
MATH 1150	Calculus for Technology	4
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
TECH CM 1000	Fund. Of CM Materials & Methods	3
TECH 1015	Introduction to Sustainability	3
TECH 1016	Computer Aided Design & Drafting	2
TECH CM 1050	Construction Safety	3
TECH CM 1100	Construction Documents	3
PHIL 1560	Science, Technology & Ethics	3
TECH CM 2000	Land, Route & Constr. Surveying	3
TECH CM 2050	Construction Law	3
ENGR 2080	Statics	2
ENGR 2180	Strengths of Materials	2
TECH CM 2200	Construction Project Management	3
TECH CM 2300	Building Services	3
TECH CM 3000	Heavy Constr. Operations & Equip.	3
TECH CM 3050	Construction Estimating	3
TECH CM 3150	Project Planning, Sched. & Control	3
TECH CM 3300	Pre-Construction Management	3
TECH CM 4200	Structural Comp. in Construction	3
TECH CM 4350	Const. Company Ops. & Mgmt.	3
ENGR 4500	Senior Design	3
Total Credits Remaining		43

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
Total Credits Remaining		6

UNI Foundational Inquiry (UNIFI)		Cr.
WR - Written Communication		3
OC - Oral Communication		3
QR - Quantitative Reasoning		3
HD - Human Condition (Domestic)		3
HG - Human Condition (Global)		3
SR - Scientific Reasoning (with Lab)		4
HE - Human Expression		3
RE - Responsibility		3
UNIFI certificate or UNIFI electives		12
Total UNIFI Credits Remaining		9

Credits needed to earn UNI degree	69
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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	
Total		16

Spring 1	Cr.	
CHEM 1020	4	
TECH CM 2200	3	
TECH CM 2300	3	
ECON 1031	3	
Total		13

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

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

Fall 3	Cr.	
TECH 1015	3	
TECH CM 4200	3	
ENGR 4500	3	
UNIFI course	3	
Total		12

Other Important Information

- This transfer guide is based off of the 2024-2025 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.