Northland Community & Technical College - MN
College Credit Agreement
www.CTEcreditMn.com

College Credit Agreement:

Through College Credit Agreements, specific college curriculum content goals and assessments are embedded in participating high school career and technical education (CTE) programs as specified in this agreement. Relevant knowledge, skills, and standards are taught by qualified CTE high school instructor(s) in one or more high school course. Credit is awarded if the student meets the college equivalency standards and later enrolls in the college(s) listed below requiring the course in a specific program.

Agreement Name: Foundations of UAS
Agreement To Be Reviewed/Revised: 2026

These credits are valid for students in grades 10-12 for the college program listed below up to 2 years after high school graduation.

College	College Course	College Program	College Credit
Northland Community & Technical College	UAST 2110 – Foundations of UAS	* SUAS Technician (A.A.S. – 60cr.) * SUAS Field Service Tech (Diploma – 34cr.) * Uncrewed Aircraft Systems UAS & Geospatial Applications (Cert – 13cr.) * Maintenance Technician (Cert. – 27cr.)	3 credits

Approved high school instructors & courses:

Name	Institution	Class
Gabriel Pass	Minneapolis CTE Tech Center	91640 Drone Technology

Course Description:

This course focuses on the basics of UAS. The course is designed for students to gain knowledge of the history of UAS, how they are used now and a basic overview of the main components in a UA System. This portion of the course will typically provide 90 total student contact hours in a lecture environment.

Course Content Goals:

90% of the curriculum content goals will be covered in the high school course(s) by qualified CTE high school instructor(s).

Modules

I. History of UAS
II. Intro to UAS
III. A System of Systems
IV. Human Factors in Unmanned Systems
V. Sensors and Payloads
VI. Communication Systems
VII. Safety and Risk
VIII. Airframe and Powerplant Design
IX. Command and Control
X. Detect and Avoid

Students must successfully achieve an overall grade of **80%** in an approved course in order to receive credit upon enrolling in an aligned college degree program.

Authorized Participants:

High School	Name	Signature	Date
High School Instructor	Gabriel Pass	Gabriel Pass	1/22/25

Approved By:

College	Name	Signature	Date
College Representative		John Fields	1.28.25

High School	Name	Signature	Date
High School CTE Director	Sara Etzel		1-22-25