

DEGREE COMPLETION  
AGREEMENT

BETWEEN

GATEWAY TECHNICAL COLLEGE

AND

CARTHAGE COLLEGE

EFFECTIVE DATE : JUNE 2025

RENEWAL DATE: JUNE 2028

The purpose of this degree completion agreement is to provide a seamless transfer process for learners at Gateway Technical College (Gateway) who desire further education to enter Carthage College (Carthage). Through the collaborative efforts of faculty, student services, and administration, learners will encounter a clear path to reach their educational goals.

Learners who successfully complete the following Gateway degree(s):

Liberal Arts – Associate of Science

And who meet the admission requirements of Carthage and any other conditions specified in this agreement will be admitted to the BS Engineering program or BA Applied Engineering program at Carthage.

**COURSES COVERED BY THIS AGREEMENT**

Gateway Technical College courses		Carthage College equivalents	
Courses fulfilling degree requirements			
Associate degree completion, including the following courses: <ul style="list-style-type: none"><li>• 806-209 College Chemistry 1</li><li>• 806-154 General Physics 1</li><li>• 806-158 Calculus Physics 1</li><li>• 804-198 Calculus 1</li><li>• 804-181 Calculus 2</li><li>• Enhancement</li><li>• 806-224 University Physics 2</li></ul> Completion of the following courses fulfills BA & BS		Fulfills: <ul style="list-style-type: none"><li>• General Ed Requirements:<ul style="list-style-type: none"><li>• Intellectual Foundations,</li><li>• Explorations,</li><li>• Perspectives,</li><li>• Abilities,</li><li>• Out-of-major Written Communication</li></ul></li><li>• BA &amp; BS Engineering Degree Requirements:<ul style="list-style-type: none"><li>• CHM 1010 General Chemistry I</li><li>• PHY 2200 General Physics I</li></ul></li></ul>	

<p>Engineering Degree Requirements and may be completed if feasible:</p> <ul style="list-style-type: none"> <li>• 804-182 Calculus III</li> <li>• 804-255 Ordinary Differential Equations</li> </ul> <p>Prior to transfer, Gateway students are highly recommended to complete the following Carthage College course, typically offered in an online modality during spring semesters:</p> <ul style="list-style-type: none"> <li>• EGR 1020 Computational Reasoning with MATLAB</li> </ul>		<ul style="list-style-type: none"> <li>• PHY 2210 General Physics II</li> <li>• MTH 1120 Calculus I</li> <li>• MTH 1220 Calculus II</li> <li>• MTH 2120 Multivariate Calculus (when 804-182 is completed at Gateway Technical College)</li> <li>• MTH 2020 Differential Equations (when 804-255 is completed at Gateway Technical College)</li> </ul>	
<b>Courses transferring as elective credits</b>			
n/a		n/a	
<b>Total transferable credits:</b>	<b>All</b>	<b>Total credits accepted:</b>	<b>All</b>

### **ADDITIONAL COURSEWORK TO BE COMPLETED AT CARTHAGE:**

#### ***BS Engineering Degree:***

##### Mathematics Requirements:

- MTH 2120 Multivariate Calculus (*if 804-182 is not completed at GTC*)
- MTH 2020 Differential Equations (*if 804-255 is not completed at GTC*)
- MTH 3050 Statistics

##### Engineering Requirements:

- EGR 1100 Introduction to Engineering Design
- EGR 1200 Visualization and Modeling with SolidWorks
- EGR 1200 Managing Engineering Ventures
- EGR 2100 Statics and Solid Mechanics
- EGR 2700 Engineering Practice I
- EGR 2710 Engineering Practice II
- EGR 3100 Engineering Materials
- EGR 3210 Electronics
- EGR 3400 Thermal Fluids
- EGR 3600 Dynamics
- EGR 4300 Engineering Codes, Standards, and Economics
- EGR 4500 Analysis & Measurement of Engineering Systems
- EGR 4910 Engineering Capstone Project I
- EGR 4920 Engineering Capstone Project II

- Two courses totaling 8 credits of Engineering Electives (EGR 41## courses) or two two-credit completions of EGR 4550 Engineering Cooperative Experience and one course totaling 4 credits of Engineering Electives (EGR 41## courses)

***BA Engineering Degree:***

Mathematics Requirements:

- MTH 2120 Multivariate Calculus (*if 804-182 is not completed at GTC*)
- MTH 2020 Differential Equations – or – MTH 3050 Statistics (*if 804-255 is not completed at GTC*)

Engineering Requirements:

- EGR 1100 Introduction to Engineering Design
- EGR 1200 Visualization and Modeling with SolidWorks – or – EGR 1200 Managing Engineering Ventures
- EGR 2100 Statics and Solid Mechanics
- EGR 2700 Engineering Practice I
- EGR 2710 Engineering Practice II
- EGR 4900 Senior Capstone Project
- EGR 4990 Senior Capstone Completion
- Three courses totaling 12 credits of Engineering Electives (EGR 3000-level courses or above)

**ADDITIONAL DEGREE REQUIREMENTS TO BE FULFILLED AT CARTHAGE:**

Students must complete 130 total credits including 74 credits of coursework in courses outside of their declared major.

Maintain 2.5/4.0 GPA

**PROVISIONS OF THIS AGREEMENT:**

1. **Admission.** It is the learner's responsibility to demonstrate fulfillment of the current admission requirements of Carthage at the time of entry.
2. **Advising.** Carthage and Gateway will provide academic advising to Gateway learners inquiring about the Carthage program. Learners will be connected with a Carthage advisor prior to transfer. Carthage and Gateway will share materials, catalogs, and other information to facilitate their understanding of requirements and programs. Gateway will assist Carthage in arranging recruitment events on its campuses.
3. **Marketing.** Any marketing of this agreement will be subject to the prior approval of both parties and will adhere to each institution's standards for the use of its name and logo. Each institution will assume responsibility for appropriate marketing to reach its student population. Each institution may

provide a link to this agreement and/or the other institution at its website, with notice to the other party.

4. **Accreditation.** Both parties agree that failure to maintain regional accreditation will be grounds for termination of the agreement. Failure to maintain accreditation required by the specific academic program(s) referenced in this agreement will be grounds for exclusion of that program from the agreement.
5. **Tracking of Use.** Gateway desires to track the use of articulation agreements by our students. If possible, Carthage will send Gateway the total number of credits transferred from Gateway annually or other data that can be conveniently produced.
6. **Periodic Review.** Gateway reviews its articulation agreements on a three-year cycle or earlier if curricular or institutional policy changes warrant. Each institution agrees to notify the other of significant curricular or policy changes in a timely manner.
7. **Cancellation.** Both parties agree to provide at least one-hundred eighty (180) days' advance written notification of their intent to cancel this agreement. Gateway students who apply to Carthage prior to the cancellation date will be permitted to transfer credits under the agreement terms.

**OFFICIAL CONTACT PERSONS:****For Gateway**

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**For Carthage**

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**SIGNATURES**

This agreement, signed and dated June 2, 2025, has been reviewed and approved by both institutions for the term specified.

 <hr/> Ritu Raju, PhD, President and CEO	 <hr/> John Swallow, PhD, President
 <hr/> Matthew Janisin, EdD, Executive Vice President, Academic Affairs	 <hr/> David Timmerman, PhD, Provost
 <hr/> Maxwell Banor, PhD, Dean, School of Liberal Arts and Sciences	 <hr/> Brandon Porter, Registrar