# NORTH CENTRAL MICHIGAN COLLEGE ARTICULATION GUIDE

**GLBBS - NCMC**

Associate of General Studies with Michigan Transfer Agreement (MTA) Embedded

<table>
<thead>
<tr>
<th>GLBBS Curriculum</th>
<th>Transfer to NCMC as:</th>
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</table>
| **Comprehensive Career Boat Building Program**  
(total instructional clock hours: 1,162.5)  
- Intro to Comprehensive Boat Building  
- Shop and Boatyard Practices and Safety  
- Basic Woodworking  
- Traditional Boat Building  
- Wood as Structural Material  
- Laminating Planking Techniques  
- Wood Composite Repair  
- Hardware and Composite Parts  
- Hull Shape and Construction  
- Reconstruction  
- Mechanical Installation  
- Interior and Hardware  
| Elective credits for degree 28  
(to be articulated to the student’s NCMC transcript upon completion of either GLBBS program noted under “GLBBS Curriculum”) |

**OR**

| Marine Services Technology Program  
(total instructional clock hours: 1,200.0)  
- Intro to Marine Services Technology  
- Shop Practices and Safety  
- General Boat Construction  
- Intro to Boatyard Operations  
- Advanced Boatyard Operations  
- Marine Engine Fundamentals  
- Marine Drive and Exhaust Systems  
- Marine Steering Systems  
- Seasonal Maintenance  
- Electrical and Electronic Marine Systems  
- Marine Plumbing Systems  
- Marine Climate Control Systems  |

# NCMC Courses - Degree Requirements

**GENERAL EDUCATION: 32-37 CREDIT HOURS**  
(general education classes must have a grade of “C” or better to qualify for MTA credit)

<table>
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<tr>
<th>Courses</th>
<th>Credits</th>
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| English: 6 credit hours  
ENG 111 - English Composition I  
ENG 112 - English Composition II | 3  
3 |
**Communications: 3 Credit Hours**

- COM 111 - Public Speaking OR 3
- COM 170 - Interpersonal Communication 3

**Mathematics: 3 - 5 Credit Hours**

- MATH 128 – Quantitative Reasoning OR 4
- MATH 130 – College Algebra or higher OR 4-5
- STAT 200 – Statistics 3

**Humanities: 6 Credit Hours**

2 courses - refer to General Education Requirements Humanities Category (from at least two different categories)

**Social Science: 6-7 Credit Hours**

2 courses - refer to General Education Requirements Social Science Category (from at least two different categories)

**Science: 8-10 Credit Hours**

2 courses - refer to General Education Requirements Science Category (from at least two different categories)

Complete degree with transfer credits from GLBB: 23-28 Credit Hours

<table>
<thead>
<tr>
<th>Max Transferable GLBBS Credits</th>
<th>28</th>
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<tbody>
<tr>
<td>Minimum Credits at NCMC</td>
<td>32</td>
</tr>
<tr>
<td>Minimum Credits to Graduate</td>
<td>60</td>
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**Articulation Agreement Approval:**

For North Central Michigan College

[Signature]

Stephen L. Strom, Ph.D.
Vice President of Academic Affairs

Date: 8/23/22

For Great Lakes Boat Building School

[Signature]

Donna Fiebelkorn, Ed.D.
Director of Education

Date: 8/23/2022