



# Certificate of Advanced Standing

is presented to

*Name*

to certify satisfactory completion of the competencies  
in the Mid-State Technical College course

**804-118 Intermediate Algebra with Applications (4cr)**

This individual has mastered all course competencies, and their related performance standards, as described on the back of this certificate.  
Awarding of Advanced Standing credit for this class is contingent upon Accuplacer/ACT scores.

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High School Course  
Instructor's Signature

High School Seal  
Required

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High School  
Principal's Signature

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High School

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Date

# 804-118 Intermediate Algebra with Applications

4 Credits / 68 Semester Hours

Student's Name \_\_\_\_\_

School \_\_\_\_\_

Competencies: Please check those mastered by the student.  
All competencies must be mastered to receive advanced standing approval.

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|---|--|
| <input type="checkbox"/> 1. Apply properties of real number systems                       | <input type="checkbox"/> 14. Solve equations using factoring                           |
| <input type="checkbox"/> 2. Evaluate expressions  | <input type="checkbox"/> 15. Evaluate rational expressions                             |
| <input type="checkbox"/> 3. Solve linear equations  | <input type="checkbox"/> 16. Solve equations involving rational expressions            |
| <input type="checkbox"/> 4. Solve linear inequalities                                     | <input type="checkbox"/> 17. Evaluate radical expressions                              |
| <input type="checkbox"/> 5. Use the Cartesian coordinate system                           | <input type="checkbox"/> 18. Solve radical equations                                   |
| <input type="checkbox"/> 6. Demonstrate graphing skills on the Cartesian coordinate plane | <input type="checkbox"/> 19. Operate within the complex number system                  |
| <input type="checkbox"/> 7. Analyze linear equations                                      | <input type="checkbox"/> 20. Solve quadratic equations                                 |
| <input type="checkbox"/> 8. Apply properties of functions and relations                   | <input type="checkbox"/> 21. Use algebra functions                                     |
| <input type="checkbox"/> 9. Solve systems of equations and inequalities                   | <input type="checkbox"/> 22. Apply properties of exponential and logarithmic functions |
| <input type="checkbox"/> 10. Apply properties of exponents                                |  |
| <input type="checkbox"/> 11. Perform basic operations with polynomials                    |  |
| <input type="checkbox"/> 12. Graph functions and relations                                |  |
| <input type="checkbox"/> 13. Factor polynomials   |  |

High School Course(s):	Date Completed	Instructor Signature
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

<b>Instructor's Comments:</b> _____ _____ _____ _____ _____ _____
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