

**NDSCS follows the below policy for course placement into mathematics and/or English courses.**

**North Dakota State Board of Higher Education Policy 413:**

1. NDUS institutions shall require students who intend to enroll in a degree-credit English or mathematics course to submit proof of course placement. The Chancellor may enact procedure to carry out this requirement.
  - Readiness indicators referenced in [NDUS Procedure 413.1](#)
2. NDUS institutions may require additional course placement testing for enrollment in advanced degree-credit courses. Effective August 1, 2023. Formerly Policy 402.1.2.

**NDSCS Course Placement Policy**

The Entry Level Assessment Committee is responsible for establishing and revising this policy. Any exemptions or overrides to this policy will only be authorized in extenuating circumstances. These situations will be reviewed and managed by academic counselors and student success staff, through discussion and consultation with faculty and academic personnel as appropriate. In the event of an override or exemption documentation will be completed and communicated timely with appropriate offices and/or individuals.

Students will **not be required** to take Course Placement tests if:

- Student has ACT or SAT official scores dated within the last **five** years.
- Student has ACCUPLACER<sup>1</sup> official scores dated within the last **three** years.
- Student has transferred College Composition and/or Mathematics courses that fulfill degree requirements.
- Student seeks to enroll only in courses on an audit basis.
- Student has **completed** Pearson My Foundations Lab English and/or Math with scores of 70% or higher.

Students are encouraged to take the ACCUPLACER test in areas that college-level placement and/or Program Admission Requirements are not met.

Students wishing to appeal their placement into college-level English and/or math can complete the [Course Placement Appeal Form](#). For details about the appeal process, go to [English and Math Placement](#).

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<sup>1</sup> Move from ACCUPLACER Classic to ACCUPLACER Next Generation November 2018

## Course Placement Test Overview

### ACT/SAT

NDSCS will accept the highest ACT sub-score for mathematics, English and/or English plus Reading\* of any ACT test taken within five years of registration. The ACT is designed to assess student's general educational development and the ability to complete college level course work. Registration information and materials can be obtained from [www.actstudent.org](http://www.actstudent.org).

*\*Effective August 1, 2023*

### ACCUPLACER Placement Exam

North Dakota State College of Science requires all students to submit valid placement scores, unless exemptions apply. Students may be required to complete the ACCUPLACER Exam for course placement purposes.

ACCUPLACER is a computerized adaptive placement testing system that measures skills in mathematics and writing. The test is not timed.

The ACCUPLACER placement test is free of charge to all NDSCS students. Testers should allow at least one week to review the subject matter before retesting. Students are eligible to take the ACCUPLACER test twice within a three (3) month period.

- Students attempting to challenge their placement (in the first course of the ASC developmental series) **must retest before** the first ASC class meeting.
- Once a student has started classes in an ASC course/series, they must complete the series and **may not** attempt to challenge placement to try to test out of a class.

### Pearson My Foundations Lab (Pearson CLEM/CREAM) [North Dakota High School Students]

As components within the Choice Ready indicators, the College Ready English and Math (CREAM) and College Lab for English and Math (CLEM) programs are designed to provide high school seniors with the opportunity to take necessary developmental coursework required upon entering higher education.

Pearson My Foundations Lab is offered through North Dakota High Schools and NDSCS will accept the scores for placement into college level English and Math courses. If students are registering for classes before completing the My Foundations Lab coursework ACT/SAT/ACCUPLACER scores will be utilized for course placement. NDSCS uses the highest placement scores, as such schedules may need to be adjusted once completed My Foundations Lab scores are received.

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*Updated and Approved by Entry Level Assessment Team 4/8/2022*

*Updated and Approved by Entry Level Assessment Team 4/15/2021*

*Approved by Entry Level Assessment Team 10/10/2019*

*Updated and Approved by Entry Level Assessment Team 10/11/2018 pending approval of updates to NDUS Procedure 402.1.2; Approved by the Chief Academic Officer, Harvey Link 11/08/2018*

*Updated to match NDUS policy for SAT Evidenced-Based Reading and Writing score 3/15/19*

## English/Writing and Reading Placement

The eligibility for English 110 – College Composition I is determined by nationally recognized examinations, such as ACT, in English/Writing. If testing indicates the need for developmental work, students **must** successfully complete the developmental sequence before enrolling in English 110. Co-requisite to English 110 may apply.

Writing Placement				
ACT English score	SAT EBRW score	My Foundations Lab	ACCUPLACER Next-Gen Writing	Required WRITING Courses
1-11	NA		200-236	ASC 86 College Writing Prep I
12-15	NA		237-249	ASC 87 College Writing Prep II
16-17	NA		250-255	English 110 College Composition I and ASC 88 Composition Lab
18-36	490+ (9/20/18 forward) 480+ (3/5/16-9/20/18)	70% or higher	256-300	English 110 College Composition
*ACT English + ACT Reading = 35+				English 110 College Composition

\*Effective August 1, 2023

If placement indicates prep courses are needed, take ASC 86 followed by ASC 87, then ASC 88 with ENGL 110.

Optional Reading Placement				
ACT Reading score	SAT EBRW score	My Foundations Lab	ACCUPLACER Next-Gen Reading	Optional READING Courses
1-17	NA	NA	200-255	ASC 84 Critical Reading
18-36	490+	70% or higher	256-300	English 110 College Composition I

EBRW = Evidence-Based Reading and Writing

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## Mathematics Placement Scores

The eligibility to enroll in mathematics courses is determined by nationally recognized examinations, such as ACT, in mathematics. The appropriate mathematics class is dependent upon the program of study. If testing indicates the need for developmental work, the student **must** successfully complete the developmental sequence before enrolling in the required mathematics course(s).

*Accuplacer QAS = Quantitative Reasoning, Algebra, and Statistics (NEW Elementary Algebra)*

*Accuplacer AAF = Advanced Algebra and Functions (NEW College-Level Math)*

LIBERAL ARTS / TRANSFER MATHEMATICS					
Dental Assisting (Certificate, AAS)					
Dental Hygiene (AAS)					
EMS: Paramedic Technology (Certificate, AAS)					
ICT: IT Support/Information Systems Administrator (AAS)					
ICT: Software Engineering (AAS)					
Liberal Arts (Transfer, Pathway)					
Nursing: Practical Nursing (Diploma)					
Nursing: Registered Nursing (AAS-RN)					
Nursing: Registered Nursing (AAS) (LPN to RN)					
Nursing: Registered Nursing (ASN) (LPN to RN)					
Pharmacy Technician (Certificate, AAS)					
RAMT: Mechatronics Engineering Technology (AAS)					
ACT	SAT	ACCUPLACER		Placement Math Course	My Foundations Lab
Math Score	Math Score	Next-Gen QAS	Next-Gen AAF		
1-15		200-236		ASC 91 Algebra Prep I	
16-18		237-245		ASC 92 Algebra Prep II	
19-20		246-254		ASC 93 Algebra Prep III	
21-23	530+	255-300	237-262	If you are planning a four-year degree, consider one of the following transfer math courses: <ul style="list-style-type: none"> <li>• MATH 103 College Algebra</li> <li>• MATH 105 Trigonometry</li> <li>• MATH 107 Pre-Calculus</li> <li>• MATH 110 Math in Society</li> <li>• MATH 210 Elementary Statistics</li> </ul>	70% or higher
24-36			263-300	MATH 165 Calculus I <b>or</b> Any appropriate NDSCS Transfer Level Math course. Students are encouraged to discuss placement with an academic advisor before registering for classes.	

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**BASIC MATHEMATICS<sup>^</sup>**

Auto Body Repair and Refinishing Technology (Diploma, AAS)  
 Automotive Technology (Diploma, AAS)  
 Caterpillar Dealer Service Technician (AAS)  
 Diesel Technology: Case IH (AAS)  
 Diesel Technology: Komatsu (AAS)  
 Diesel Technology: General Diesel (Diploma, AAS)  
 HVAC/R Technology (Certificate, AAS)  
 John Deere Tech (AAS)  
 Mechanical Systems (AAS)  
 Powersports Technology (Diploma, AAS)

ACT		ACCUPLACER		Placement Math Course	My Foundations Lab
Math Score		Next-Gen QAS	Next-Gen AAF		
Open Enrollment				MATH 120 Basic Math I MATH 123 Basic Math II MATH 125 Basic Math III	Open Enrollment

<sup>^</sup>Students planning to transfer and earn a 4-year degree are encouraged to follow Liberal Arts requirements.

\*Only Math 120 is required

**BUSINESS MATHEMATICS<sup>^</sup>**

Agriculture: Ag Business (AAS)  
 Business Management: Administration and Finance (AAS)  
 Business Management: Business Technology Management (3<sup>rd</sup> Year option) (AAS)  
 Business Management: Marketing, Sales and Hospitality Services (AAS)  
 Business Management: Sales (Certificate)  
 Culinary Arts: Chef Training and Management Technology (Diploma, AAS)  
 ICT: Web Design (Certificate)  
 ICT: Web Developer (AAS)

ACT	SAT	ACCUPLACER		Placement Math Course	My Foundations Lab
Math Score	Math Score	Next-Gen QAS	Next-Gen AAF		
Open Enrollment				BOTE 108 Business Mathematics	Open Enrollment
21-23	530+	255-300	237-262	If you are planning a four-year degree, consider one of the following transfer math courses: <ul style="list-style-type: none"> <li>• MATH 103 College Algebra</li> <li>• MATH 105 Trigonometry</li> <li>• MATH 107 Pre-Calculus</li> <li>• MATH 110 Math in Society</li> <li>• MATH 210 Elementary Statistics</li> </ul>	70% or higher
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<b>TECHNICAL MATH<sup>A</sup></b>					
Architectural Modeling and Design Technology (AAS)		Building Construction Technology (AAS)			
Construction Management Technology (AAS)		Electrical Technology (all subplans) (AAS)			
Land Surveying & Civil Engineering Technology (AAS)		Precision Machining Technology (Certificate, Diploma, AAS)			
RAMT: General Technician (AAS)		Unmanned Aircraft Systems (Certificate, AAS)			
Welding Technology (Certificate, Diploma, AAS)					
ACT	SAT	ACCUPLACER		Placement Math Course	
Math Score	Math Score	Next-Gen QAS	Next-Gen AAF		
My Foundations Lab					
Open Enrollment				MATH 130 Technical Math* MATH 132 Technical Algebra I MATH 134 Technical Algebra** MATH 136 Technical Trigonometry	Open Enrollment
21-23	530+	255-300	237-262	If you are planning a four-year degree, consider one of the following transfer math courses: <ul style="list-style-type: none"> <li>• MATH 103 College Algebra</li> <li>• MATH 105 Trigonometry</li> <li>• MATH 107 Pre-Calculus</li> <li>• MATH 110 Math in Society</li> <li>• MATH 210 Elementary Statistics</li> </ul>	70% or higher
24-36			263-300	MATH 165 Calculus I <b>or</b> Any appropriate NDSCS Transfer Level Math course. Students are encouraged to discuss placement with an academic advisor before registering for classes.	

<sup>A</sup>Students planning to transfer and earn a 4-year degree are encouraged to follow Liberal Arts requirements.

\*MATH 130 for all programs except Electrical Technology

\*\*MATH 134 only for Electrical Technology

#### **NO SPECIFIC MATH REQUIREMENT:**

Agriculture: Animal Science (AAS)  
Agriculture: Farm Management (AAS)  
Agriculture: Ranch Management (AAS)  
Agriculture: Meat Processing (Certificate)  
Agriculture: Precision Agriculture Technician (AAS)  
Agriculture: Precision Agronomy (AAS)  
Auto and Diesel Master Technician  
Business Management: Entrepreneurship (Certificate)  
Business Management: Finance (Certificate)  
Business Management: Management/Supervision (Certificate)  
Business Management/Culinary Arts: Restaurant Management (3<sup>rd</sup> Year option) (AAS)  
EMS: Emergency Medical Technician (EMT) (Certificate)  
HI: Health Information Technician (AAS)  
HI: Medical Coding (Certificate)  
ICT: Information Technology Support  
ICT: IT Forensics and CyberSecurity (Certificate)  
ICT: Social Media Specialist (Certificate)  
ICT: Software Coding (Certificate)  
Occupational Therapy Assistant (AAS)  
Plumbing (Certificate)  
Technical Studies (Including: Journeyworker Track, Meat Processing)  
Unmanned Aircraft Systems (UAS)

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