#### **MIDFIELD**

# North Carolina State University 1987-2018

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# **About the University**

North Carolina State University (NCSU) is a public university and was founded in 1887. They are well known for their engineering program. Notable alumnus Munir Ahmad Khan went on to help develop Pakistan's nuclear program after his study of reactor quantum physics at NCSU. NCSU is located in Raleigh, North Carolina.

# 

#### Overview

This summary covers the catalogs from 1987-2018. The year 2013-2014 has missing documentation for some areas, but logical deductions were made between the preceding and proceeding catalogs. From 1987-1993 the catalogs were released in two-year increments. After 1993 they began releasing their catalogs in one-year increments. Most of the information for 2013-2014 is present, however some data referred to web pages that no longer exist and is not represented. This summary also covers information gathered from the NC State website on contractual readmission, automatic admission, and early college. All these documents can be found in the nVivo file.

# Term type

• North Carolina State University (NCSU) maintains 16-week fall and spring semesters. Summer semesters are broken up into two five-week periods of classes.

# Admissions, Engineering, 1st Year

# **Automatic Admission**

 NCSU does not have any stated policies on automatic admissions for first year admissions

# Awareness of financial need

• NCSU lists a program known as C3, which is available to students completing high school or in a community college. Participants of C3 must be from a low-to-moderate income household. See "Automatic Admissions" below

#### **Deferred Admission**

• NCSU does not have any stated policies on deferred admissions for first years.

# **Dual Enrollment as freshmen**

• The NC State catalog does not seem to list any policies for dual enrollment. However, NC State's 2016-2017 website mentions that any student who graduated from a cooperative innovative high school program with an associate degree and who applies for admission to the constituent institution has the option of being considered for admission as a freshman or as a transfer student. See "Preferred Admissions" below for more information.

# **General Admissions Policies**

The following tables represent the required high school courses required for admission into NC State:

Required from 1987-1988	Recommended from 1987-1988
1 Year	2 years Foreign
Geometry	Language
2 years Science	Advanced Algebra
4 years English	Trigonometry
2 years History	
2 years Algebra	

Required Classes From 1988-2018		
4 course units of English		
3 course units of Math (including Algebra I, II, and Geometry)		
3 course units of Science (including Biological, Physical, and Laboratory science)		
2 course units of Social Studies (including one U.S. History)		
*2 units of Foreign Language required from 1997-Present		
*an additional unit of Math was required from 2009-Present		

- NCSU does not have a required GPA or sliding scale, only that the applying student has a high school diploma. NCSU does state that SAT, ACT, GPA, class rank, and extra-curricular activities and leadership are considered, but does not outline how.
- 1987-2007 NCSU suggests that students take the English and Math Level I achievement tests, otherwise known as SAT II, in order to be properly placed in their courses.

# **Preferred admissions**

• Applicants from North Carolina Cooperative Innovative High Schools receive special consideration in admission to UNC system universities based on North Carolina law. According to House Bill 97 Section 11.16.(a) "any student who graduated from a cooperative innovative high school program with an associate degree and who applies for admission to the constituent institution has the option of being considered for admission as a freshman or as a transfer student."

# Admissions, Engineering, Transfer

# **Automatic Admissions**

• NCSU has a program called C3 (community college collaboration) listed on their website. C3 allows students to have dual enrollment in an associate's degree at the partnered institution and at NC State as a non-degree studies student. C3 allows for automatic admissions into NCSU, the requirements being the completion of the A.A., A.S., or A.E. and a maintenance of a 3.00 GPA or better.

#### Awareness of financial need

• C3 is only open to participants from low-to-moderate income households.

# College level hours to be considered a transfer

• In order to be admitted as a transfer student from 1987-1997, one must have 28 semester hours, or 42 quarter hours. From 1997-2018, students were required to have 30 semester hours, or 45 quarter hours of "C" or better college level work.

# **Dual Enrollment**

• See "Automatic Admissions" and "Dual Enrollment as Freshman"

# **Articulation Agreements**

- NCSU maintains an articulation agreement with the Cooperating Raleigh Colleges, these institutions allow for courses taken at one to correspond to courses at any of the other institutions. These institutions include: North Carolina State University, Meredith College, Peace College, St. Augustine's College, St. Mary's College, and Shaw University.
- NCSU also has CAA Community College Pathway Degree Plans, which were created
  to assist students at the 58 NC Community Colleges to prepare to transfer to NC
  State. Certain community college courses were selected for inclusion because they
  both fulfilled requirements for an Associate degree and transferred to NC State
  University for credit towards a baccalaureate degree.

#### **Preferred Admissions**

• See "Preferred Admissions" above

# Requirements to transfer

• From 1997-2018, all credits used for the hour required to transfer must be of C or better and the student must have a minimum 2.00 CGPA.

# **Admissions, International**

#### Limits

• From 2004-2018, NCSU states that they are limited to accepting not more than 18 percent of total new undergraduates from out-of-state.

# Requirements

- 1987-2014 International students must have a score of 550 on the TOEFL with two sections of at least 50 and no sections lower than a 45.
  - o 2014-2018 The score for the written TOEFL was increased to 563.
- 2001-2014 For the computer based TOEFL, students must have at least a 213. \*Computer based TOEFL no longer mentioned after 2014.
- 2007-2013 For the internet based TOEFL, students must have at least a 79.
  - o 2013-2015 The score for the internet based TOEFL was increased to an 80.
  - o 2015-2018 The score for the internet based TOEFL was increased to an 85.
- Special courses are required for students whose scores on the TOEFL were sufficient for admissions but need more instruction to perform well.

# **Engineering Matriculation Model**

Below is a table that describes the minimum grade required in common first-year engineering courses in order to continue within the engineering curriculum, specifically for the years 1987 through 2011. Within the context of this table, "P" represents requiring a passing grade, "O" represents the class must also be passed but any of the other courses with "O" could be substituted, and any italicized mark denotes the minimum required letter grade if specified. More details about required classes and expected performance can be found below the table.

Minimum	Minimum Required Grade in Common First-Year Engineering Courses, 1987 - 2011							
	87-89 89-91 91-93 93-94 95-98 99-00 01-02 03-11							
MA 102	P							
CH 101	P	C	P	C	C	C	C-	P
CH 102						C	C-	P
CH 105	P	P	O	O				
CH 107	P	P	О	О	О	О		
CH 121				C	C	C		

CH 201						О	О	
CH 220							О	
<b>CSC 110</b>			O	O	O	O		
<b>CSC 112</b>			O	O	O	O	O	
<b>CSC 114</b>					O	O	O	
<b>CSC 116</b>							O	
E 101								P
E 115				P	P	P	P	C-
<b>ENG 101</b>								P
<b>ENG 111</b>	P	C	P	C	C	C	<i>C</i> -	
MA 141		C	P	C	C	C	<i>C</i> -	P-
MA 201	P							
MA 241		C	P	C	C	C	<i>C</i> -	P
PY 205	P	C	P	C	C	C	<i>C</i> -	P

•

- From 1987-2002, NCSU had a first-year engineering curriculum (called engineering undesignated) that is common to all undergraduate engineering degree programs. Students are typically enrolled in this program for a period of 1-2 years. Entering students receive assistance in planning an appropriate program of study and continued guidance from an academic adviser throughout their academic careers is available. From 2003-2011, this program was renamed to simply First Year Engineering. From 2012-2019, this title was changed to Engineering First Year (EFY). In order to be eligible to apply for admission into an engineering degree program, engineering undesignated students must successfully complete the following courses for the following years:
- 1987-1989: MA 102 or 102S and MA 201 or 201S; PY 205; ENG 111; CH 101 and either CH 105 or CH 107; and at least one humanities or social science course.
- 1989-1991, MA 141 (Calculus I) and MA 241 (Calculus II), PY 205 (Engineering Physics I); ENG 111; CH 101 (Chemistry I) and either CH 105 or CH 107; and at least one humanities or social science course.
- 1991-1993, at least 28 completed credit hours, including credit for the following courses: MA 141, MA 241, PY 205, ENG 111, CH 101, and one of either CH 105/107 or CSC 110/112.
- 1993-1994: Before an engineering student can enroll in a 200 or higher level engineering course, the student must have earned at least 28 completed credit hours, with a C or better in ENG 111, MA 141, MA 241, PY 205, CH 101, E 115 (Introduction to Computing Environments), and one of either CH 107, CSC 110, or CSC 112.

- 1995-2000: "C" or higher required in ENG 111, MA 141, MA 241, PY 205, CH 101, and CH 121, and the student must have successfully completed E 115, and one of either CH 107, CSC 110, CSC 112, or CSC 114. 28 completed credit hours are still required
- 2001-2002: "C-" or higher required in ENG 111, MA 141, MA 241, PY 205, CH 101, and CH 102, and the student must have successfully completed E 115, and one of either CH 201, CSC 112, CSC 114, CSC 116 or CH 220. 28 completed credit hours are still required.
- 2003-2011: Passing grade required in MA 141, MA 241, PY 205, ENG 101 (Academic Writing and Research), CH 101, CH 102(lab), E 101 and a "C-" or better in E 115. From 2004-2013, it was added that a GPA of 2.9 within the first 60 hours or enrollment was required.

<b>Engineering Courses Required for Matriculation from 2012-2018</b>		
CH 101	С	
CH 102	С	
MA 141	С	
MA 241	С	
PY 205	С	
PY 206* (Lab)	С	
*only required from 2015 onward		
ENG 101	P	
E 115	P	

# **Readmission for Students in Good Academic Standing**

• A student that fails to enroll or attend classes during a regular semester is considered a "former degree student" and must reapply for admission.

# **Grading Policies**

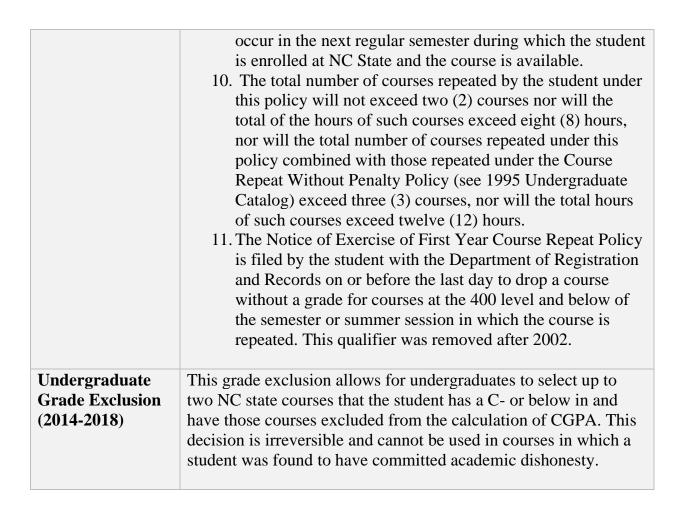
#### Audit

• Students auditing a course must have their advisor and course's department approve the request.

# **Course Repeat policy**

# Course Repeat Policies, 1987 - 2018

Policy	Description
General Repeat Policy (1987-2018)	Courses repeated do not have grade replacement, so both grades are counted in a student's CGPA. A student may repeat any number of courses, but courses in which the student has a C or higher require advisor approval. Courses that have an A or B are normally not approved.
First Year Course Repeat Policy (1987-1996)	A student can repeat a maximum of three courses at the 100 and 200 level if they have not completed a course dealing with the same material at a more advanced level, the course was taken after Fall 1984, and did not receive a grade higher than a D+. This policy allows for the replacing of grades, rather than adding another class to a student's CGPA.
First Year Course Repeat Policy - Revised (1997-2018)	<ol> <li>In 1997, the eligibility rules were modified to be:         <ol> <li>The initial attempt and the repeat under this policy must be an NC State course.</li> <li>The course being repeated was completed for the first time after the second Summer Session in 1995.</li> <li>The course being repeated must be at the 100- or 200-level.</li> <li>The student received a grade below C- in the course that is to be repeated.</li> <li>Both attempts of the course were for letter grades; no unsuccessful audits or credit only attempts may be repeated nor may repeats under the policy be made for audit or credit only.</li> <li>The student has not received credit for an advanced course dealing with the same subject matter as the course being repeated.</li> </ol> </li> <li>The first attempt of the course must have occurred within 12 months of the student's initial enrollment in any classification at NC State; this period is not lengthened by voluntary or involuntary failure to enroll in subsequent semesters or summer sessions, nor by enrolling at less than a minimum fulltime load following the initial date of enrollment.</li> <li>The second attempt is for the same course or for an approved substitute course.</li> <li>The second attempt occurs in a regular semester or summer session which ends within 12 months of the completion of the first attempt of the course; if the course is not available during that period or if the student is not enrolled when it is available, then the second attempt must</li> </ol>



# **Credit without grades**

• Students may be granted credit without grades for AP, CLEP, transfer credit, and credit by examination of a course. Scores for AP and CLEP exams are not available in the catalog. For credit by examination, students must achieve at least a C or higher.

# **Drop and Withdrawal**

- A student may withdraw from a course in the 100-600 level if they receive approval from their advisor. A "W" is not counted in GPA calculation.
- Students may withdraw from the university if they receive approval from the Dean after going through the Division of Lifelong Education. Thereafter their courses will be dropped without an academic penalty.

# **Grade Weights and Grading Scale**

• The grading scale and weights at NCSU from 1987-1994 shown below:

Grading Scale from 1987-1994			
Grade	<b>Grade Points Per Credit Hour</b>		

A	4
В	3
С	2
D	1
F	0

Grading Scale from 1994-2018		
Grade	Grade Points Per Credit Hour	
A+	4.33	
A	4.00	
A-	3.67	
B+	3.33	
В	3.00	
B-	2.67	
C+	2.333	
C	2.000	
C-	1.67	
D+	1.333	
D	1.000	
D-	0.67	
F	0.000	

# **Incompletes**

• Students have up to either the end of the next regular semester they are enrolled, or by the end of twelve months to finish their incomplete work, whichever is shorter. A grade of "I" has no effect on GPA when given. If by the end of the period given for the incomplete work a student has not completed the work, a grade of NC (F) will be given.

# **Independent study**

• Students that have participated in independent studies may receive credit with the approval of the Independent Studies staff through special examinations.

#### Pass fail

• Students may elect to receive credit only for any free elective course if they choose. A maximum of 12 credits of S (Satisfactory) or U (Unsatisfactory) grades may count towards graduation requirements. Courses in Military Science and Aerospace Studies may not be made into S/U grades. This has no effect on courses that are already graded on a S/U basis.

# **Academic Progress - Engineering**

Academic Good Standing

Good Standing GPA: 1987-1991				
Total hours attempted + transfer hours Minimum CGPA				
1-27	No requirement			
28-59	1.25			
60-91	1.55			
92-123	1.75			
124+	1.95			

Good Standing GPA: 1991-2004				
Total hours attempted transfer hours Minimum CGPA				
1-35	1.50			
36-47	1.60			
48-59	1.70			
60-71	1.80			
72-83	1.90			
84+	2.00			

• From 2004-2015 good standing was as follows:

Good Standing GPA: 2004-2015			
<b>Total hours attempted + transfer hours</b>   Minimum CGPA			
1-59	1.8		
60+	2.0		

• From 2015-2018, Good Standing GPA was simply defined as at least 2.00

# Consequences of not meeting required performance

Policy	Description
Academic Warning	
Academic Warning I (1987-1997)	Academic Warning I was a notification that a student's CGPA was below 2.00 for a semester but not so low as to meet the requirements for Academic Warning II (Note: A 2.00 CGPA is required for graduation at NC State during this time period, but having below a 2.00 does not necessarily mean a student is not in good academic standing).
Academic Warning II (1987-1997) Academic Warning	Academic warning II signified that a student's CGPA at NCSU is below the minimum required for retention under the next step in the graduated GPA suspension policy  Academic Warning I & II were combined into just "Academic
(1997-2009)	Warning". A student could be placed in Academic Warning for having a CGPA of less than 2.00. Students on Academic Warning were required to meet with their adviser to determine a plan of action.
Academic Warning (2009-2015)	Students could also be placed in Academic Warning if they had a CGPA above 2.00 but a semester GPA below 1.00. Students on Academic Warning still were required to meet with their adviser to determine a plan of action.
Academic Warning (2015-2018)	The previous guidelines stayed in place with the additional qualifier that students must have a CGPA less than 2.00 and a GPD of 15 or less to be placed on Academic Warning via that option.
Probation	
Probation (1991-1997)	Probation was assigned to students who failed to achieve the minimum CGPA required under the retention schedule. Students on probation could enroll for one additional regular semester for the purpose of achieving the minimum CGPA as required under this retention schedule. While on probation, students are required to have their academic records reviewed by their academic advisor and associate dean. Additionally, students are not considered to be in Good Standing while on Probation.
Probation (1997-2009)	Probation was a condition given to students who were readmitted after an Academic Suspension and was typically not given to students who had not been previously suspended. Students on Probation were not considered to be in good academic standing. If students failed to end the semester with a CGPA above the suspension level, they would return to Suspension status after the end of the Probation semester.

	Students are still required to meet with an adviser during this period.		
<b>Probation</b> (2009-2015)	Students could also leave Probation status if they had a Spring semester GPA of at least 2.50.		
Probation (2015-2018)	Starting in 2015, all students were eligible to continue enrollment if they maintained a CGPA of 2.00, had the Academic Warning status, or the academic Probation status. Students who end their probationary term with a semester GPA of at least 2.00 are moved to Academic Warning status. Students who do not earn a semester GPA of at least 2.00 are suspended.		
Suspension			
Suspension (1987-1991*)	Students could become suspended at the end of any regular semester where their CGPA was below good academic standing. Students on suspension whose hours attempted at NCSU plus transferred hours totaled 160 or more would not be permitted to register for courses in a subsequent regular semester until their academic record had been reviewed by their school dean in consultation with their major department or program (this practice ended in 1994*). Students who were suspended could still register for Summer classes. Students could not be suspended if it was their first regular semester at NC state. Additionally, students could not be suspended due to poor performance during a Summer semester. From at least 1987 onwards, students were readmitted from Suspension under Academic Probation.		
Suspension (1991-2015**)	A student was suspended when they ended any regular semester with their CGPA below the minimum required for continued enrollment following a semester on probation.  Starting in 1993**, suspended students were also given the option to take NCSU distance-learning courses. After 1994**, students only have the Suspended status for a semester and those who are suspended can still enroll in Summer semester classes. Beginning in 2004**, an exception was added that stated any academically suspended student needing 14 or fewer credit hours for graduation and having a grade point deficit of 10 or less will be automatically readmitted to the university on Academic Probation Status for one semester without petitioning for readmission. The policy that prevented students from being penalized during their first semester or during Summer semesters ended in 2009**. From 2009 until 2015**, that policy was replaced with the qualifier that no		

	student with a CGPA over 1.00 could be suspended until their second semester.	
Suspension (2015-2018)	Students with a CGPA less than 2.00 and a GPD greater than 15 at the end of any term will be suspended. Students on probation who fail to maintain a term GPA of at least 2.00 will also be subject to suspension. Students may still enroll in Summer classes if they are suspended.	
Second Suspension (2004-2011)	If a student receives a second notice of Academic Suspension, that student must take a mandated 2 regular semester break from enrollment. At the end of this time period, the student may petition for readmission. If reinstated, the student must negotiate a plan of study, and adhere to whatever GPA was specified in this plan of study.	
Expulsion		
<b>Expulsion</b> (1987-2018)	NCSU does not have any policies for expulsion explicitly. Suspension, or denying a suspended student readmission, largely fills this niche.	

# **Classification Hours**

Classification of Students 1987-1997			
Freshman	<28		
Sophomore	28 - 59		
Junior	60 - 91		
Senior	92 or more		

Classification of Students 1997-2018			
Freshman	<30		
Sophomore	30 - 59		
Junior	60 - 91		
Senior	92 or more		

# • Clean Slate

 NCSU does not have a clean slate policy detailed in their catalogs after 2011, although the Contractual Readmission policy does exist as seen in their application form first created in 2014 and used up until the present.

- NCSU has a Contractual Readmission policy outlined in catalogs from 1987 to 2011. If the policy exists beyond 2011, it is not included in the catalogs.
- Excess credit hour policies: From 1997-1998-2019, student with more than 140 credit hours (excluding courses taken in summer at any UNC-System campus) have to pay a 25% tuition surcharge.

# **Excess hours Policies**

• 1994-2010 Students that have attempted more than 140 credit hours will be assessed a 25% tuition surcharge. Classes taken in summer school do not count towards this limit. Credits earned through the college board AP program, the College Level Examination Program (CLEP), or other similar programs is excluded from the calculations as well. Credit earned through courses taken as a distance learning course or through an extension program at another institution are also exempt.

Transfer credits and failed classes do count towards the tuition surcharge.

- 2010-2018 The tuition surcharge was increased to 50%. Additionally, students in a 5-year degree program will be subject to the surcharge if they accumulate 110% of the credits needed to graduate.
- As of 2019, the university will not charge tuition surcharge due to the NC General Assembly passing Senate Bill 225 (Repeal Tuition Surcharge).

# **Engineering Degree Progression**

# **Common Introduction to Engineering**

• The common introduction to engineering courses and the required performance in each course are outlined on pages 5-7 with two tables and a written explanation of the tables.

# **Engineering Co-Op**

• The co-op program for engineering students is voluntary. The program normally takes place during sophomore and junior years. Freshmen are not allowed to participate, and transfer students must complete at least one semester of school at NCSU. In order to be eligible from 1987-2006, students must have at least a 2.25 GPA, this was raised to 2.5 in 2006. Students work every other semester full-time in industry, business, and government. Engineering students are not allowed to participate in a part-time study/work semester.

# **Progress in Engineering Major**

• Each engineering major has its own core classes after the introductory courses referenced above. NCSU offers Biological Engineering, Chemical Engineering, Civil Engineering, Environmental Engineering, Electrical and Computer Engineering, Industrial Engineering, Materials Science and Engineering, Mechanical Engineering, Aerospace Engineering, Nuclear Engineering, and Textile Engineering. From 1987-2001, students must have a 2.00 to graduate and are required to take English 1 and 2,

6 credits of Mathematics, 18 credits of Humanities and Social Sciences, 9 credits of Free Electives, 8 credits of Natural Sciences, and 4 credits of Physical Education.

- 2001-2007 The Natural Sciences and Mathematics required credits was raised to 20 collectively. A Writing and Speaking requirement was introduced for 9 hours in total. Humanities and Social Sciences was raised to 21 credits. Physical Education was decreased to 2 credits.
- 2007-2015: The Writing and Speaking requirement was decreased to 7 credits.
   2015-2018: The Writing and Speaking requirement was changed to only Writing and decreased to 4 credit hours.
  - 2015-2018: The Natural Sciences and Mathematics requirement was decreased to 13 credit hours. The Humanities and Social Sciences requirement was decreased to 12 credit hours.
  - 2015-2018: The Free Electives section was removed. In its place are the Interdisciplinary Perspectives Requirement at 5 credit hours, the Additional Breadth requirement at 3 credit hours, and a U.S. Diversity and Global Knowledge Requirement at 0 credit hours. Additionally, all students are required to complete a Thematic Track. This is composed of 12 credit hours, therein being four courses connected by a common theme or topic.

# Financial Aid

# **Debt free for low income**

• To be considered for financial aid, a student must submit a Financial Aid Form (FAF) from 1987-1994, and a FAFSA form from 1995-2018. All undergraduate applicants for financial aid must indicate on the FAF that they wish consideration for the Pell Grant. This is done automatically at no additional charge if the appropriate Pell Grant items are marked on the FAF.

# **Policies for Students with Disabilities**

# **Accessing accommodations**

• Students needing accommodations can go to the offices, call, or visit their website.

# Name of offices

- 1987-2006 The name of the offices is the Disability Services for Students.
  - o 2007-2018 The name of the office changes to Disability Services Office.
  - o In 2020 the office is called the Disability Resources Office

# Position in academic hierarchy

• In 2020, the office is located in the office of the Vice Chancellor of the Division of Academic and Student Affairs

# Services offered

• NCSU offers interpreters, tutorials, note takers, and reading services are available upon contacting the center. Educational counseling and academic support is available for those with learning disabilities.

# Miscellaneous

• The Peer Mentor Program is available for African-American students. Through this program, upperclassmen help mentor freshmen. The program assists with the recruitment, advancement, and graduation of African-American students.