

## Introduction

The objective of this study is to determine the course availability and enrollment of students from North Dakota high schools in advanced coursework, such as Dual Credit or Advanced Placement. Any school years referenced are the fall of the school year; for example, 2020 refers to the 2020-21 school year.

## Advanced course availability in North Dakota

Figure 1 below shows the availability of advanced coursework in North Dakota. Both Advanced Placement (AP) and Dual Credit (DC) availability has increased over the past nine school years.

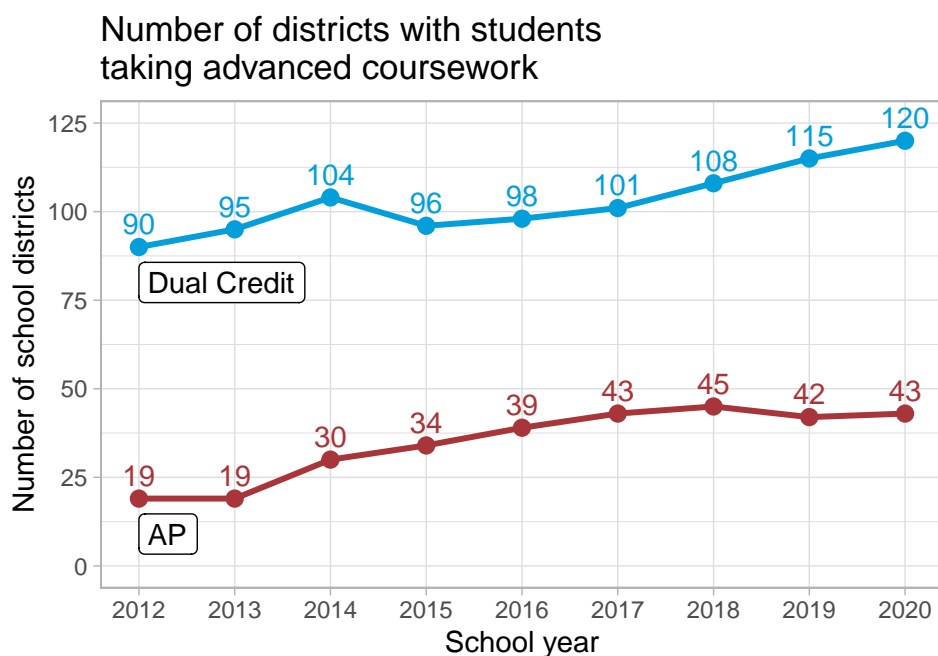


Figure 1: Number of districts with students taking advanced coursework by year

Number of school districts with students taking AP Exam  
By course subject and school year

		2012	2013	2014	2015	2016	2017	2018	2019	2020
AP course subject	AP Biology	5	7	9	6	10	12	22	16	14
	AP Calculus AB	11	10	13	16	23	21	24	19	19
	AP Chemistry	4	5	6	6	9	11	12	12	12
	AP English Composition	9	10	12	14	12	15	19	16	16
	AP English Literature	14	15	16	16	16	17	16	18	16
	AP Government	8	8	9	10	10	9	8	9	11
	AP Human Geography			2	1	2	6	6	10	9
	AP Psychology	7	6	8	7	9	10	10	9	7
	AP US History	10	10	11	12	15	15	12	14	13

Number of school districts with students taking dual credit  
By course subject and school year

		2012	2013	2014	2015	2016	2017	2018	2019	2020
Dual Credit course subject	American Sign Language	1	3	4	6	5	4	11	3	5
	Biology	16	19	19	17	18	20	21	22	25
	Business and Office Technology								5	10
	Business, Office, & Tech Ed	18	13	15	17	16	10	8	18	21
	Chemistry	6	7	6	11	6	5	8	5	7
	Communication	7	5	15	10	14	14	18	19	24
	Communications	24	27	28	29	30	31	45	49	57
	Computer Information Systems	18	10	9	5	5	8	12	12	11
	Computer Science	10	7	8	6	5	11	10	13	12
	English	29	32	37	34	33	37	39	43	47
	Health, Phys Ed, & Recreation	4		4	3	3	3	7	14	14
	History	18	13	17	13	15	18	20	22	29
	Mathematics	29	29	43	47	40	40	40	46	56
	Psychology	34	34	44	46	42	46	54	58	69
	Sociology	15	25	23	19	26	32	37	35	40
	Spanish	14	13	4	4	2	1	1	1	2

## Advanced course availability for students on free/reduced lunch

To further investigate advanced course availability in North Dakota high schools, districts were split into four quartiles by the proportion of students on free/reduced lunch. The group of districts with the highest percentage of students participating in free/reduced lunch also appears to be the districts with the lowest percentage of students taking AP or Dual Credit courses - either because of student choice or courses not being available in those districts.

The districts with fewer than 32.1% of grade 9-12 students participating in free/reduced lunch appear to be relatively similar in the percentage of students taking advanced coursework - this makes up the lowest 75% of districts in terms of free/reduced lunch rate.

District Free/Reduced rate (Gr. 9-12)	Percent of districts with students taking:	
	AP courses	Dual credit courses
0 - 15.6% (lowest 25% of districts)	25.4%	72.5%
15.6 - 22.3%	29.2%	78.3%
22.3 - 32.1%	20.0%	72.5%
32.1 - 100% (highest 25% of districts)	10.1%	43.5%

Table 1: Percentage of districts with students taking advanced coursework by free/reduced student population percentile