

Table 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹
ENGLISH COURSE PATTERN												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	13,204	26	21.7	4.9	5,673	23	21.2	4.7	7,489	29	22.0	4.9
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	28,041	55	20.6	3.8	14,065	56	20.3	3.8	13,827	54	21.0	3.9
Less than 4 years of English	6,082	12	16.8	-	3,353	13	16.5	-	2,678	10	17.1	-
No English course/grade information reported	3,760	7	16.1	-	1,960	8	15.7	-	1,745	7	16.5	-
MATHEMATICS COURSE PATTERN												
	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹
Alg 1, Alg 2, Geom, Trig, & Calc	3,420	7	24.5	7.9	1,631	7	25.1	8.3	1,772	7	23.9	7.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,928	10	22.6	6.0	1,943	8	23.1	6.3	2,969	12	22.2	5.9
Alg 1, Alg 2, Geom, & Trig	4,046	8	20.3	3.7	1,946	8	20.7	3.9	2,075	8	20.0	3.7
Alg 1, Alg 2, Geom, & Other Adv Math	5,624	11	19.9	3.3	2,395	10	20.3	3.5	3,202	12	19.7	3.4
Other comb of 4 or more years of Math	12,253	24	24.0	7.4	6,596	26	24.6	7.8	5,615	22	23.3	7.0
Alg 1, Alg 2, & Geom (Min. Core)	8,451	17	17.6	1.0	4,102	16	17.9	1.1	4,286	17	17.2	0.9
Other comb of 3 or 3.5 years of Math	2,388	5	19.7	3.1	1,269	5	20.0	3.2	1,101	4	19.3	3.0
Less than 3 years of Math	6,045	12	16.6	-	3,110	12	16.8	-	2,900	11	16.3	-
No Math course/grade information reported	3,932	8	17.3	-	2,059	8	17.5	-	1,819	7	17.2	-
SOCIAL SCIENCE COURSE PATTERN												
	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹
US Hist, World Hist, Am Gov, & Other Hist	852	2	21.8	3.6	496	2	21.6	3.4	352	1	22.3	3.9
Other comb of 4 or more years Social Science	24,908	49	22.3	4.1	11,341	45	22.1	3.9	13,466	52	22.4	4.0
US Hist, World Hist, & Am Gov (Min. Core)	1,922	4	19.6	1.4	1,091	4	19.5	1.3	813	3	19.7	1.3
Other comb of 3 or 3.5 years of Social Science	13,879	27	21.4	3.2	6,924	28	21.2	3.0	6,877	27	21.5	3.1
Less than 3 years of Social Science	5,578	11	18.2	-	3,120	12	18.2	-	2,418	9	18.4	-
No Soc Sci course/grade information reported	3,948	8	17.5	-	2,079	8	17.3	-	1,813	7	17.8	-
NATURAL SCIENCE COURSE PATTERN												
	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹
Gen Sci ² , Bio, Chem, & Phys	17,036	33	22.3	3.6	9,027	36	22.9	4.3	7,925	31	21.7	3.0
Bio, Chem, Phys	2,573	5	24.0	5.3	1,338	5	24.7	6.1	1,226	5	23.3	4.6
Gen Sci ² , Bio, Chem (Min. Core)	15,909	31	20.7	2.0	6,672	27	20.8	2.2	9,160	36	20.7	2.0
Other comb of 3 years of Natural Science	2,216	4	20.8	2.1	1,306	5	21.4	2.8	900	3	20.0	1.3
Less than 3 years of Natural Science	9,405	18	18.7	-	4,637	19	18.6	-	4,709	18	18.7	-
No Nat Sci course/grade information reported	3,948	8	17.8	-	2,071	8	17.9	-	1,819	7	17.7	-

¹Course value added is defined as the average ACT score change compared to a less than core course sequence.²Includes General, Physical and Earth Sciences.