

Am. Sub. H.B. 166
As Passed by the Senate
EDUCD3

_____ moved to amend as follows:

In line 37 of the title, after "3313.5315," insert 1
"3313.603," 2

In line 249, after "3313.5315," insert "3313.603," 3

After line 25946, insert: 4

"**Sec. 3313.603.** (A) As used in this section: 5

(1) "One unit" means a minimum of one hundred twenty hours of 6
course instruction, except that for a laboratory course, "one 7
unit" means a minimum of one hundred fifty hours of course 8
instruction. 9

(2) "One-half unit" means a minimum of sixty hours of course 10
instruction, except that for physical education courses, "one-half 11
unit" means a minimum of one hundred twenty hours of course 12
instruction. 13

(B) Beginning September 15, 2001, except as required in 14
division (C) of this section and division (C) of section 3313.614 15
of the Revised Code, the requirements for graduation from every 16
high school shall include twenty units earned in grades nine 17
through twelve and shall be distributed as follows: 18

(1) English language arts, four units;	19
(2) Health, one-half unit;	20
(3) Mathematics, three units;	21
(4) Physical education, one-half unit;	22
(5) Science, two units until September 15, 2003, and three	23
units thereafter, which at all times shall include both of the	24
following:	25
(a) Biological sciences, one unit;	26
(b) Physical sciences, one unit.	27
(6) History and government, one unit, which shall comply with	28
division (M) of this section and shall include both of the	29
following:	30
(a) American history, one-half unit;	31
(b) American government, one-half unit.	32
(7) Social studies, two units.	33
Beginning with students who enter ninth grade for the first	34
time on or after July 1, 2017, the two units of instruction	35
prescribed by division (B)(7) of this section shall include at	36
least one-half unit of instruction in the study of world history	37
and civilizations.	38
(8) Elective units, seven units until September 15, 2003, and	39
six units thereafter.	40
Each student's electives shall include at least one unit, or	41
two half units, chosen from among the areas of	42
business/technology, fine arts, and/or foreign language.	43
(C) Beginning with students who enter ninth grade for the	44
first time on or after July 1, 2010, except as provided in	45

divisions (D) to (F) of this section, the requirements for
graduation from every public and chartered nonpublic high school
shall include twenty units that are designed to prepare students
for the workforce and college. The units shall be distributed as
follows:

(1) English language arts, four units;

(2) Health, one-half unit, which shall include instruction in
nutrition and the benefits of nutritious foods and physical
activity for overall health;

(3) Mathematics, four units, which shall include one unit of
algebra II or the equivalent of algebra II, or one unit of
advanced computer science as described in the standards adopted
pursuant to division (A)(4) of section 3301.079 of the Revised
Code. However, students who enter ninth grade for the first time
on or after July 1, 2015, and who are pursuing a career-technical
instructional track shall not be required to take algebra II or
advanced computer science, and instead may complete a career-based
pathway mathematics course approved by the department of education
as an alternative.

For students who choose to take advanced computer science in
lieu of algebra II under division (C)(3) of this section, the
school shall communicate to those students that some institutions
of higher education may require algebra II for the purpose of
college admission. Also, the parent, guardian, or legal custodian
of each student who chooses to take advanced computer science in
lieu of algebra II shall sign and submit to the school a document
containing a statement acknowledging that not taking algebra II
may have an adverse effect on college admission decisions.

(4) Physical education, one-half unit;

(5) Science, three units with inquiry-based laboratory	75
experience that engages students in asking valid scientific	76
questions and gathering and analyzing information, which shall	77
include the following, or their equivalent:	78
(a) Physical sciences, one unit;	79
(b) Life sciences, one unit;	80
(c) Advanced study in one or more of the following sciences,	81
one unit:	82
(i) Chemistry, physics, or other physical science;	83
(ii) Advanced biology or other life science;	84
(iii) Astronomy, physical geology, or other earth or space	85
science;	86
(iv) Computer science.	87
No student shall substitute a computer science course for a	88
life sciences or biology course under division (C)(5) of this	89
section.	90
(6) History and government, one unit, which shall comply with	91
division (M) of this section and shall include both of the	92
following:	93
(a) American history, one-half unit;	94
(b) American government, one-half unit.	95
(7) Social studies, two units.	96
Each school shall integrate the study of economics and	97
financial literacy, as expressed in the social studies academic	98
content standards adopted by the state board of education under	99
division (A)(1) of section 3301.079 of the Revised Code and the	100
academic content standards for financial literacy and	101

entrepreneurship adopted under division (A)(2) of that section, 102
 into one or more existing social studies credits required under 103
 division (C)(7) of this section, or into the content of another 104
 class, so that every high school student receives instruction in 105
 those concepts. In developing the curriculum required by this 106
 paragraph, schools shall use available public-private partnerships 107
 and resources and materials that exist in business, industry, and 108
 through the centers for economics education at institutions of 109
 higher education in the state. 110

Beginning with students who enter ninth grade for the first 111
 time on or after July 1, 2017, the two units of instruction 112
 prescribed by division (C)(7) of this section shall include at 113
 least one-half unit of instruction in the study of world history 114
 and civilizations. 115

(8) Five units consisting of one or any combination of 116
 foreign language, fine arts, business, career-technical education, 117
 family and consumer sciences, technology which may include 118
 computer science, agricultural education, a junior reserve officer 119
 training corps (JROTC) program approved by the congress of the 120
 United States under title 10 of the United States Code, or English 121
 language arts, mathematics, science, or social studies courses not 122
 otherwise required under division (C) of this section. 123

Ohioans must be prepared to apply increased knowledge and 124
 skills in the workplace and to adapt their knowledge and skills 125
 quickly to meet the rapidly changing conditions of the 126
 twenty-first century. National studies indicate that all high 127
 school graduates need the same academic foundation, regardless of 128
 the opportunities they pursue after graduation. The goal of Ohio's 129
 system of elementary and secondary education is to prepare all 130
 students for and seamlessly connect all students to success in 131

life beyond high school graduation, regardless of whether the next
 step is entering the workforce, beginning an apprenticeship,
 engaging in post-secondary training, serving in the military, or
 pursuing a college degree.

The requirements for graduation prescribed in division (C) of
 this section are the standard expectation for all students
 entering ninth grade for the first time at a public or chartered
 nonpublic high school on or after July 1, 2010. A student may
 satisfy this expectation through a variety of methods, including,
 but not limited to, integrated, applied, career-technical, and
 traditional coursework.

Stronger coordination between high schools and institutions
 of higher education is necessary to prepare students for more
 challenging academic endeavors and to lessen the need for academic
 remediation in college, thereby reducing the costs of higher
 education for Ohio's students, families, and the state. The state
 board and the chancellor of higher education shall develop
 policies to ensure that only in rare instances will students who
 complete the requirements for graduation prescribed in division
 (C) of this section require academic remediation after high
 school.

School districts, community schools, and chartered nonpublic
 schools shall integrate technology into learning experiences
 across the curriculum in order to maximize efficiency, enhance
 learning, and prepare students for success in the
 technology-driven twenty-first century. Districts and schools
 shall use distance and web-based course delivery as a method of
 providing or augmenting all instruction required under this
 division, including laboratory experience in science. Districts
 and schools shall utilize technology access and electronic

learning opportunities provided by the broadcast educational media 162
commission, chancellor, the Ohio learning network, education 163
technology centers, public television stations, and other public 164
and private providers. 165

(D) Except as provided in division (E) of this section, a 166
student who enters ninth grade on or after July 1, 2010, and 167
before July 1, 2016, may qualify for graduation from a public or 168
chartered nonpublic high school even though the student has not 169
completed the requirements for graduation prescribed in division 170
(C) of this section if all of the following conditions are 171
satisfied: 172

(1) During the student's third year of attending high school, 173
as determined by the school, the student and the student's parent, 174
guardian, or custodian sign and file with the school a written 175
statement asserting the parent's, guardian's, or custodian's 176
consent to the student's graduating without completing the 177
requirements for graduation prescribed in division (C) of this 178
section and acknowledging that one consequence of not completing 179
those requirements is ineligibility to enroll in most state 180
universities in Ohio without further coursework. 181

(2) The student and parent, guardian, or custodian fulfill 182
any procedural requirements the school stipulates to ensure the 183
student's and parent's, guardian's, or custodian's informed 184
consent and to facilitate orderly filing of statements under 185
division (D)(1) of this section. Annually, each district or school 186
shall notify the department of the number of students who choose 187
to qualify for graduation under division (D) of this section and 188
the number of students who complete the student's success plan and 189
graduate from high school. 190

(3) The student and the student's parent, guardian, or 191

custodian and a representative of the student's high school	192
jointly develop a student success plan for the student in the	193
manner described in division (C)(1) of section 3313.6020 of the	194
Revised Code that specifies the student matriculating to a	195
two-year degree program, acquiring a business and	196
industry-recognized credential, or entering an apprenticeship.	197
(4) The student's high school provides counseling and support	198
for the student related to the plan developed under division	199
(D)(3) of this section during the remainder of the student's high	200
school experience.	201
(5)(a) Except as provided in division (D)(5)(b) of this	202
section, the student successfully completes, at a minimum, the	203
curriculum prescribed in division (B) of this section.	204
(b) Beginning with students who enter ninth grade for the	205
first time on or after July 1, 2014, a student shall be required	206
to complete successfully, at the minimum, the curriculum	207
prescribed in division (B) of this section, except as follows:	208
(i) Mathematics, four units, one unit which shall be one of	209
the following:	210
(I) Probability and statistics;	211
(II) Computer science;	212
(III) Applied mathematics or quantitative reasoning;	213
(IV) Any other course approved by the department using	214
standards established by the superintendent not later than October	215
1, 2014.	216
(ii) Elective units, five units;	217
(iii) Science, three units as prescribed by division (B) of	218
this section which shall include inquiry-based laboratory	219

experience that engages students in asking valid scientific 220
 questions and gathering and analyzing information. 221

The department, in collaboration with the chancellor, shall 222
 analyze student performance data to determine if there are 223
 mitigating factors that warrant extending the exception permitted 224
 by division (D) of this section to high school classes beyond 225
 those entering ninth grade before July 1, 2016. The department 226
 shall submit its findings and any recommendations not later than 227
 December 1, 2015, to the speaker and minority leader of the house 228
 of representatives, the president and minority leader of the 229
 senate, the chairpersons and ranking minority members of the 230
 standing committees of the house of representatives and the senate 231
 that consider education legislation, the state board of education, 232
 and the superintendent of public instruction. 233

(E) Each school district and chartered nonpublic school 234
 retains the authority to require an even more challenging minimum 235
 curriculum for high school graduation than specified in division 236
 (B) or (C) of this section. A school district board of education, 237
 through the adoption of a resolution, or the governing authority 238
 of a chartered nonpublic school may stipulate any of the 239
 following: 240

(1) A minimum high school curriculum that requires more than 241
 twenty units of academic credit to graduate; 242

(2) An exception to the district's or school's minimum high 243
 school curriculum that is comparable to the exception provided in 244
 division (D) of this section but with additional requirements, 245
 which may include a requirement that the student successfully 246
 complete more than the minimum curriculum prescribed in division 247
 (B) of this section; 248

(3) That no exception comparable to that provided in division 249

(D) of this section is available.	250
<u>If a school district or chartered nonpublic school requires a</u>	251
<u>foreign language as an additional graduation requirement under</u>	252
<u>division (E) of this section, a student may apply one unit of</u>	253
<u>instruction in computer coding to satisfy one unit of foreign</u>	254
<u>language. If a student applies more than one computer coding</u>	255
<u>course to satisfy the foreign language requirement, the courses</u>	256
<u>shall be sequential and progressively more difficult.</u>	257
(F) A student enrolled in a dropout prevention and recovery	258
program, which program has received a waiver from the department,	259
may qualify for graduation from high school by successfully	260
completing a competency-based instructional program administered	261
by the dropout prevention and recovery program in lieu of	262
completing the requirements for graduation prescribed in division	263
(C) of this section. The department shall grant a waiver to a	264
dropout prevention and recovery program, within sixty days after	265
the program applies for the waiver, if the program meets all of	266
the following conditions:	267
(1) The program serves only students not younger than sixteen	268
years of age and not older than twenty-one years of age.	269
(2) The program enrolls students who, at the time of their	270
initial enrollment, either, or both, are at least one grade level	271
behind their cohort age groups or experience crises that	272
significantly interfere with their academic progress such that	273
they are prevented from continuing their traditional programs.	274
(3) The program requires students to attain at least the	275
applicable score designated for each of the assessments prescribed	276
under division (B)(1) of section 3301.0710 of the Revised Code or,	277
to the extent prescribed by rule of the state board under division	278
(D)(5) of section 3301.0712 of the Revised Code, division (B)(2)	279

of that section.	280
(4) The program develops a student success plan for the student in the manner described in division (C)(1) of section 3313.6020 of the Revised Code that specifies the student's matriculating to a two-year degree program, acquiring a business and industry-recognized credential, or entering an apprenticeship.	281 282 283 284 285
(5) The program provides counseling and support for the student related to the plan developed under division (F)(4) of this section during the remainder of the student's high school experience.	286 287 288 289
(6) The program requires the student and the student's parent, guardian, or custodian to sign and file, in accordance with procedural requirements stipulated by the program, a written statement asserting the parent's, guardian's, or custodian's consent to the student's graduating without completing the requirements for graduation prescribed in division (C) of this section and acknowledging that one consequence of not completing those requirements is ineligibility to enroll in most state universities in Ohio without further coursework.	290 291 292 293 294 295 296 297 298
(7) Prior to receiving the waiver, the program has submitted to the department an instructional plan that demonstrates how the academic content standards adopted by the state board under section 3301.079 of the Revised Code will be taught and assessed.	299 300 301 302
(8) Prior to receiving the waiver, the program has submitted to the department a policy on career advising that satisfies the requirements of section 3313.6020 of the Revised Code, with an emphasis on how every student will receive career advising.	303 304 305 306
(9) Prior to receiving the waiver, the program has submitted to the department a written agreement outlining the future	307 308

cooperation between the program and any combination of local job 309
 training, postsecondary education, nonprofit, and health and 310
 social service organizations to provide services for students in 311
 the program and their families. 312

Divisions (F)(8) and (9) of this section apply only to 313
 waivers granted on or after July 1, 2015. 314

If the department does not act either to grant the waiver or 315
 to reject the program application for the waiver within sixty days 316
 as required under this section, the waiver shall be considered to 317
 be granted. 318

(G) Every high school may permit students below the ninth 319
 grade to take advanced work. If a high school so permits, it shall 320
 award high school credit for successful completion of the advanced 321
 work and shall count such advanced work toward the graduation 322
 requirements of division (B) or (C) of this section if the 323
 advanced work was both: 324

(1) Taught by a person who possesses a license or certificate 325
 issued under section 3301.071, 3319.22, or 3319.222 of the Revised 326
 Code that is valid for teaching high school; 327

(2) Designated by the board of education of the city, local, 328
 or exempted village school district, the board of the cooperative 329
 education school district, or the governing authority of the 330
 chartered nonpublic school as meeting the high school curriculum 331
 requirements. 332

Each high school shall record on the student's high school 333
 transcript all high school credit awarded under division (G) of 334
 this section. In addition, if the student completed a seventh- or 335
 eighth-grade fine arts course described in division (K) of this 336
 section and the course qualified for high school credit under that 337

division, the high school shall record that course on the 338
student's high school transcript. 339

(H) The department shall make its individual academic career 340
plan available through its Ohio career information system web site 341
for districts and schools to use as a tool for communicating with 342
and providing guidance to students and families in selecting high 343
school courses. 344

(I) A school district or chartered nonpublic school may 345
integrate academic content in a subject area for which the state 346
board has adopted standards under section 3301.079 of the Revised 347
Code into a course in a different subject area, including a 348
career-technical education course, in accordance with guidance for 349
integrated coursework developed by the department. Upon successful 350
completion of an integrated course, a student may receive credit 351
for both subject areas that were integrated into the course. Units 352
earned for subject area content delivered through integrated 353
academic and career-technical instruction are eligible to meet the 354
graduation requirements of division (B) or (C) of this section. 355

For purposes of meeting graduation requirements, if an 356
end-of-course examination has been prescribed under section 357
3301.0712 of the Revised Code for the subject area delivered 358
through integrated instruction, the school district or school may 359
administer the related subject area examinations upon the 360
student's completion of the integrated course. 361

Nothing in division (I) of this section shall be construed to 362
excuse any school district, chartered nonpublic school, or student 363
from any requirement in the Revised Code related to curriculum, 364
assessments, or the awarding of a high school diploma. 365

(J)(1) The state board, in consultation with the chancellor, 366
shall adopt a statewide plan implementing methods for students to 367

earn units of high school credit based on a demonstration of 368
subject area competency, instead of or in combination with 369
completing hours of classroom instruction. The state board shall 370
adopt the plan not later than March 31, 2009, and commence phasing 371
in the plan during the 2009-2010 school year. The plan shall 372
include a standard method for recording demonstrated proficiency 373
on high school transcripts. Each school district and community 374
school shall comply with the state board's plan adopted under this 375
division and award units of high school credit in accordance with 376
the plan. The state board may adopt existing methods for earning 377
high school credit based on a demonstration of subject area 378
competency as necessary prior to the 2009-2010 school year. 379

(2) Not later than December 31, 2015, the state board shall 380
update the statewide plan adopted pursuant to division (J)(1) of 381
this section to also include methods for students enrolled in 382
seventh and eighth grade to meet curriculum requirements based on 383
a demonstration of subject area competency, instead of or in 384
combination with completing hours of classroom instruction. 385
Beginning with the 2017-2018 school year, each school district and 386
community school also shall comply with the updated plan adopted 387
pursuant to this division and permit students enrolled in seventh 388
and eighth grade to meet curriculum requirements based on subject 389
area competency in accordance with the plan. 390

(3) Not later than December 31, 2017, the department shall 391
develop a framework for school districts and community schools to 392
use in granting units of high school credit to students who 393
demonstrate subject area competency through work-based learning 394
experiences, internships, or cooperative education. Beginning with 395
the 2018-2019 school year, each district and community school 396
shall comply with the framework. Each district and community 397
school also shall review any policy it has adopted regarding the 398

demonstration of subject area competency to identify ways to 399
 incorporate work-based learning experiences, internships, and 400
 cooperative education into the policy in order to increase student 401
 engagement and opportunities to earn units of high school credit. 402

(K) This division does not apply to students who qualify for 403
 graduation from high school under division (D) or (F) of this 404
 section, or to students pursuing a career-technical instructional 405
 track as determined by the school district board of education or 406
 the chartered nonpublic school's governing authority. 407
 Nevertheless, the general assembly encourages such students to 408
 consider enrolling in a fine arts course as an elective. 409

Beginning with students who enter ninth grade for the first 410
 time on or after July 1, 2010, each student enrolled in a public 411
 or chartered nonpublic high school shall complete two semesters or 412
 the equivalent of fine arts to graduate from high school. The 413
 coursework may be completed in any of grades seven to twelve. Each 414
 student who completes a fine arts course in grade seven or eight 415
 may elect to count that course toward the five units of electives 416
 required for graduation under division (C)(8) of this section, if 417
 the course satisfied the requirements of division (G) of this 418
 section. In that case, the high school shall award the student 419
 high school credit for the course and count the course toward the 420
 five units required under division (C)(8) of this section. If the 421
 course in grade seven or eight did not satisfy the requirements of 422
 division (G) of this section, the high school shall not award the 423
 student high school credit for the course but shall count the 424
 course toward the two semesters or the equivalent of fine arts 425
 required by this division. 426

(L) Notwithstanding anything to the contrary in this section, 427
 the board of education of each school district and the governing 428

authority of each chartered nonpublic school may adopt a policy to
excuse from the high school physical education requirement each
student who, during high school, has participated in
interscholastic athletics, marching band, or cheerleading for at
least two full seasons or in the junior reserve officer training
corps for at least two full school years. If the board or
authority adopts such a policy, the board or authority shall not
require the student to complete any physical education course as a
condition to graduate. However, the student shall be required to
complete one-half unit, consisting of at least sixty hours of
instruction, in another course of study. In the case of a student
who has participated in the junior reserve officer training corps
for at least two full school years, credit received for that
participation may be used to satisfy the requirement to complete
one-half unit in another course of study.

(M) It is important that high school students learn and
understand United States history and the governments of both the
United States and the state of Ohio. Therefore, beginning with
students who enter ninth grade for the first time on or after July
1, 2012, the study of American history and American government
required by divisions (B)(6) and (C)(6) of this section shall
include the study of all of the following documents:

- (1) The Declaration of Independence;
- (2) The Northwest Ordinance;
- (3) The Constitution of the United States with emphasis on
the Bill of Rights;
- (4) The Ohio Constitution.

The study of each of the documents prescribed in divisions
(M)(1) to (4) of this section shall include study of that document

in its original context.

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The study of American history and government required by divisions (B)(6) and (C)(6) of this section shall include the historical evidence of the role of documents such as the Federalist Papers and the Anti-Federalist Papers to firmly establish the historical background leading to the establishment of the provisions of the Constitution and Bill of Rights.

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(N) A student may apply one unit of instruction in computer science to satisfy one unit of mathematics or one unit of science under division (C) of this section as the student chooses, regardless of the field of certification of the teacher who teaches the course, so long as that teacher meets the licensure requirements prescribed by section 3319.236 of the Revised Code and, prior to teaching the course, completes a professional development program determined to be appropriate by the district board.

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If a student applies more than one computer science course to satisfy curriculum requirements under that division, the courses shall be sequential and progressively more difficult or cover different subject areas within computer science."

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In line 82839, after "3313.5315," insert "3313.603,"

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The motion was _____ agreed to.

SYNOPSIS

Computer coding as a foreign language

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R.C. 3313.603

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Restores a provision of the Executive and House versions that 481
(1) requires a school district or chartered nonpublic school that 482
requires a foreign language for high school graduation to accept 483
one unit (120 hours of instruction) of computer coding instruction 484
toward satisfying that requirement and (2) specifies that, if a 485
student applies more than one course of computer coding toward the 486
requirement, they must be sequential and progressively more 487
difficult. 488