

Houston GPS Education Meta-Major Map Document

Map Guidelines

- Houston GPS maps include courses that apply to lower-level requirements in specified degrees across Houston GPS institutions without resulting in excess credit upon transfer. Courses are in the Lower-Division Academic course Guide Manual (ACGM) and course numbers provided are those in the Texas Common Course Numbering System.
- [Field of Study](#) Curricula approved by the Texas Higher Education Coordinating Board are incorporated into maps. In spring 2024, the Texas Transfer Advisory Committee approved [the EC-3, EC-6, and 4-8 Core Subjects Education Fields of Study](#).
- The following [Texas Core Curriculum](#) requirements are incorporated into maps:

Code	Component Area	SCH
010	Communication	6
020	Mathematics	3
030	Life and Physical Science	6
040	Language, Philosophy and Culture	3
050	Creative Arts	3
060	American History	6
070	Government/Political Science	6
080	Social and Behavioral Sciences	3
090	Component Area Option	6
Total		42

Draft Education Meta-Major Maps

Early Childhood—Grade 3

Alvin Community College	College of the Mainland	Galveston College	Houston City College
Lone Star College		San Jacinto College	Wharton County Junior College
AAT, Education Field of Study EC-3			AA, Elementary Education AA, General Studies

PVAMU	UH	UH Downtown	UH Clear Lake	TAMU-V	TSU	TWU
			Early Childhood PK-3			Early Childhood PK-3

Courses in the following representative sequence apply to lower-level requirements in Education degrees across Houston GPS institutions without resulting in excess credit upon transfer. This map incorporates the AAT and Field of Study curriculum for **Early Childhood—Grade 3**. Course numbers provided are those in the Texas Common Course Numbering System.

Year 1	
EDUC 1301 Introduction to the Teaching Profession**	TECA 1303 – Families, School & Community**
MATH 1350 Mathematics for Teachers I (020)*	TECA 1318 – Wellness of the Young Child**
ENGL 1301 Composition I (010)*	ENGL 1302 Composition II (010)*
HIST 1301 United States History I (060)*	HIST 1302 United States History II (060)*
Social and Behavioral Sciences Core (080)*	Creative Arts Core (050)*
Year 2	
TECA 1354 Child Growth and Development**	EDUC 2301 Introduction to Special Populations**
(030) Any Science Core (030)	Any Science Core (030)
GOVT 2305 (070)* Federal Government	GOVT 2306 (070)* Texas Government
Language, Philosophy and Culture Core (040)*	Component Area Option Core (090)*
Component Area Option Core (090)* (HIST 2301)	

* Core Curriculum

** AAT/[Revised Field of Study for Education EC-3](#)

Notes Regarding Institutional Exceptions or Special Cases:

UHCL: Recommend students take HIST 2301 for 090 core requirement

TWU: Recommend students take HIST 2301 for 090 core requirement

Early Childhood—Grade 6

Alvin College	College of the Mainland	Galveston College	Houston City College
AAT, Early Childhood - 6	AAT, Early Childhood - 6	AS, Education (Early Childhood-6)	AAT, Teaching
Lone Star College	San Jacinto College		Wharton County Junior College
AAT, Education Field of Study EC-6	AAT, EC-6		AA, Elementary Education AA, General Studies

PVAMU	UH	UH Downtown	UH Clear Lake	TAMUV	TSU	TWU
BS, Teacher Education (Core Subjects EC-6)	BS, Teaching and Learning (Early Childhood - 6)	BA, Education (Early Childhood – 6 Core Subjects with ESL Supplemental)	BS, Education (Core Subjects EC-6)	BS, Education (EC-6 Core Subjects)	BS, Interdisciplinary Studies with EC-6 concentration	BS, Education (EC-6)

Courses in the following representative sequence apply to lower-level requirements in **Education** degrees across Houston GPS institutions without resulting in excess credit upon transfer. This map incorporates the AAT and Field of Study curriculum for **Early Childhood—Grade 6**. Course numbers provided are those in the Texas Common Course Numbering System.

Year 1	
EDUC 1301 Introduction to the Teaching Profession**	Directed Elective
ENGL 1301 (010)* Composition I	ENGL 1302 (010) Composition II*
HIST 1301 United States History I (060)*	HIST 1302 United States History II or HIST 2301 Texas History (060)*
Social and Behavioral Sciences Core (080)*	Creative Arts Core (050)*
MATH 1314 College Algebra (020)*	MATH 1350 Math for Teachers I**
Year 2	
Life and Physical Science Core Component (030)*	Life and Physical Science Core Component (030)*
GOVT 2305 (070)* Federal Government	GOVT 2306 (070)* Texas Government
Language, Philosophy and Culture Core (040)*	EDUC 2301 Introduction to Special Populations**
MATH 1351 Math for Teachers II**	Component Area Option Core (090)*
Component Area Option Core (090)*	Directed Elective

* Core Curriculum

** AAT/[Revised Field of Study for Education EC-6](#)

Notes Regarding Institutional Exceptions or Special Cases:

SJC: TECA 1354 is offered as a social and behavioral science (080). Students can take MATH 1332 in place of MATH 1314.

TSU: EDUC 1301 Intro to the Teaching Profession not transferrable.

UH: Instead of second Component Area Option (090) need a math reasoning course

TAMUV: Prefers HIST 2301 for Core 60; Core 90 is 2 courses for Speech and Computer proficiency

UHCL: Social/Behavioral Science does not need to be specifically GEOG 1303 or ECON 2301/2302. Also, Natural Sciences do not need to be as specific as defined here.

Grade 4—Grade 8: Math Track

Alvin College	College of the Mainland	Galveston College	Houston City College
		AS, Education (Math 4-8) AS, Math 4-8	
Lone Star College	San Jacinto College	Wharton County Junior College	

PVAMU	UH	UH Downtown	UH Clear Lake	TAMUV	TSU	TWU
BS, Teacher Education (Mathematics 4-8)	BS, Teaching and Learning (Math 4-8)		BA, Mathematical Science with Mathematics 4-8		BS, Interdisciplinary Studies with Math 4-8 concentration	BS, Education (4-8 Math)

Courses in the following representative sequence apply to lower-level requirements in **Education** degrees across Houston GPS institutions without resulting in excess credit upon transfer. This map incorporates the AAT curriculum for **Grade 4—Grade 8: Math Track**. Course numbers provided are those in the Texas Common Course Numbering System.

Year 1	
EDUC 1301 Introduction to the Teaching Profession**	MATH 1351 Mathematics for Teachers II**
ENGL 1301 (010)* Composition I	ENGL 1302 (010) Composition II*
HIST 1301 United States History I (060)*	HIST 1302 United States History II (060)*
MATH 1314 College Algebra**	Creative Arts Core (050)*
MATH 1350 Mathematics for Teachers I**	Social and Behavioral Sciences Core (080)*
Year 2	
MATH 2312 Pre-Calculus**	EDUC 2301 Introduction to Special Populations**
GOVT 2305 (070)* Federal Government	GOVT 2306 (070)* Texas Government
Life and Physical Science Core 1 (030)*	Life and Physical Science Core 2 (030)*
Language, Philosophy and Culture Core (040)*	MATH 2413 Calculus I**
Component Area Option Core (090)*	

* Core Curriculum

** AAT

Notes Regarding Institutional Exceptions or Special Cases:

UH: Instead of second Component Area Option (090) need a math reasoning course

TSU: EDUC 1301 Intro to the Teaching Profession and EDUC 2301 Intro to Special Populations are not transferrable.

GC: Curriculum includes MATH 2414 and MATH 2415 (Calculus)

PVAMU: Does not take MATH 1351, EDUC 1301, EDUC 2301 and MATH 2312 – need trigonometry instead

Grade 4—Grade 8: Science Track

Alvin College	College of the Mainland	Galveston College	Houston City College
Lone Star College	San Jacinto College	Wharton County Junior College	

PVAMU	UH	UH Downtown	UH Clear Lake	TAMUV	TSU	TWU
BS, Teacher Education (Science 4-8)	BS, Teaching and Learning (Science 4-8)	BS, Education with Science 4-8	BS, Education with Science 4-8		BS, Interdisciplinary Studies with Science 4-8 concentration	BS, Education with Science 4-8

Courses in the following representative sequence apply to lower-level requirements in **Education** degrees across Houston GPS institutions without resulting in excess credit upon transfer. This map incorporates the AAT curriculum **for Grade 4—Grade 8: Science Track**. Course numbers provided are those in the Texas Common Course Numbering System.

Year 1	
EDUC 1301 Introduction to the Teaching Profession**	GEOL 1403 or 1303/1103 Physical Geology for Science Majors*
ENGL 1301 Composition I (010)*	ENGL 1302 (010) Composition II*
HIST 1301 United States History I (060)*	HIST 1302 United States History II (060)*
Social and Behavioral Sciences Core (080)*	Creative Arts Core (050)*
MATH 1314 College Algebra or higher (020)*	PHYS 1403 or 1303/1103 Stars and Galaxies**
Year 2	
BIOL 1406 or 1306/1106 Biology for Science Majors**	PHYS 1401 College Physics
CHEM 1411 or 1311/1111 General Chemistry I**	EDUC 2301 Introduction to Special Populations**
GOVT 2305 (070)* Federal Government	GOVT 2306 (070)* Texas Government
Language, Philosophy and Culture Core (040)*	Component Area Option Core (090)*
Component Area Option Core (090)*	

* Core Curriculum

** AAT

Notes Regarding Institutional Exceptions or Special Cases:

TSU: EDUC 1301 Intro to the Teaching Profession and EDUC 2301 Intro to Special Populations are not transferrable.

UH: Instead of second Component Area Option (090) need a math reasoning course

PHYS 1301/1101 Pre-requisites:

SJC: MATH 1314 and MATH 1316 or MATH 2412

WCJC: MATH 1314 and MATH 1316 or MATH 2412

PVAMU: Any of the following MATH: 1314, 1113, 1511,1115,1316, 1123

TSU: MATH 2412

Grade 4—Grade 8: English/Language Arts

Alvin College	College of the Mainland	Galveston College	Houston City College
Lone Star College	San Jacinto College		Wharton County Junior College

PVAMU	UH	UH Downtown	UH Clear Lake	TAMUV	TSU	TWU
BS, Teacher Education English/Language Arts and Reading 4-8	BS, Teaching and Learning (English/Language Arts 4-8)		BA Literature w/ English/Language Arts 4-8		BS, Interdisciplinary Studies with English Language Arts, and Reading 4-8 concentration	BS, Education English/Language Arts 4-8

Courses in the following representative sequence apply to lower-level requirements in **Education** degrees across Houston GPS institutions without resulting in excess credit upon transfer. This map incorporates the AAT curriculum for **Grade 4—Grade 8: English/Language Arts**. Course numbers provided are those in the Texas Common Course Numbering System.

Year 1	
EDUC 1301 Introduction to the Teaching Profession**	ENGL 1302 Composition II (010)*
ENGL 1301 Composition I (010)*	Language, Philosophy and Culture Core (040)*
HIST 1301 United States History I (060)*	HIST 1302 United States History II (060)*
Social and Behavioral Sciences Core (080)*	Creative Arts Core (050)*
Mathematics Core (020)*	Component Area Option Core (090)*
Year 2	
ENGL 2311 Technical and Business Writing**	EDUC 2301 Introduction to Special Populations**
ENGL 2327 American Literature**	Choose <u>one</u> of the following three**: <ul style="list-style-type: none"> • ENGL 2332 World Literature I • ENGL 2322 British Literature I • ENGL 2351 Mexican American Literature
Life and Physical Science Core 1 (030)*	Choose <u>one</u> of the following four: <ul style="list-style-type: none"> • ENGL 2332 World Literature I • ENGL 2333 World Literature II • ENGL 2322 British Literature I • ENGL 2351 Mexican American Literature
GOVT 2305 (070)* Federal Government	Life and Physical Science Core 2 (030)*
Component Area Option Core (090)*	GOVT 2306 (070)* Texas Government

* Core Curriculum

** AAT

Notes Regarding Institutional Exceptions or Special Cases:

TSU: EDUC 1301 Intro to the Teaching Profession and EDUC 2301 Intro to Special Populations are not transferrable.

UH: Instead of second Component Area Option (090) need a math reasoning course.

Grade 4—Grade 8: Social Studies Track

Alvin College	College of the Mainland	Galveston College	Houston City College
Lone Star College	San Jacinto College	Wharton County Junior College	

PVAMU	UH	UH Downtown	UH Clear Lake	TAMUV	TSU	TWU
BS, Teacher Education Social Studies 4-8	BS, Teaching and Learning Social Studies 4-8		BS, Education with Social Studies 4-8		BS, Interdisciplinary Studies with Social Studies 4-8 concentration	BS, Education with Social Studies 4-8

Courses in the following representative sequence apply to lower-level requirements in Education degrees across Houston GPS institutions without resulting in excess credit upon transfer. This map incorporates the AAT curriculum for **Grade 4—Grade 8: Social Studies** Track. Course numbers provided are those in the Texas Common Course Numbering System.

Year 1	
EDUC 1301 Introduction to the Teaching Profession**	GEOG 1303 World Regional Geography**
ENGL 1301 (010)* Composition I	HIST 1302 United States History II (060)*
HIST 1301 United States History I (060)*	Creative Arts Core (050)*
Social and Behavioral Sciences Core (080)*	ENGL 1302 (010) Composition II*
Mathematics Core (020)*	Component Area Option Core (090)*
Year 2	
ECON 2301 Principles of Macroeconomics**	EDUC 2301 Introduction to Special Populations**
GOVT 2305 (070)* Federal Government	GOVT 2306 (070)* Texas Government
Life and Physical Science Core 1 (030)*	Life and Physical Science Core 2 (030)*
HIST 2301 Texas History**	Choose <u>one</u> of the following**: <ul style="list-style-type: none"> • HIST 2312 Western Civilization II • HIST 2322 World Civilizations II • HIST 2328 Mexican American History II • HIST 2382 African American History II
Choose <u>one</u> of the following**: <ul style="list-style-type: none"> • HIST 2311 Western Civilization I • HIST 2321 World Civilizations I • HIST 2327 Mexican American History I • HIST 2381 African American History I 	

* Core Curriculum

** AAT

Notes Regarding Institutional Exceptions or Special Cases:

TSU: EDUC 1301 Intro to the Teaching Profession and EDUC 2301 Intro to Special Populations are not transferrable.

Grade 4—Grade 8: Core Subjects Track

Alvin College	College of the Mainland	Galveston College	Houston City College
	AAT 4-8 Generalist (Field of Study)		AAT, Teaching
Lone Star College	San Jacinto College		Wharton County Junior College
AAT, Education Field of Study 4-8	AAT, EC-6		AA, General Studies

PVAMU	UH	UH Downtown	UH Clear Lake	TAMUV	TSU	TWU
BS, Teacher Education Core Subjects 4-8		BA, Education, 4-8 Core Subjects with STR and ESL Supplemental	BS, Education with Core Subjects 4-8	BS, Education, 4-8 Core Subjects (AAT Track)		BS, Education with Core Subjects 4-8

Courses in the following representative sequence apply to lower-level requirements in **Education** degrees across Houston GPS institutions without resulting in excess credit upon transfer. This map incorporates the AAT curriculum for **Grade 4—Grade 8: Core Subjects Track**. Course numbers provided are those in the Texas Common Course Numbering System.

Year 1	
EDUC 1301 Introduction to the Teaching Profession**	Social and Behavioral Sciences Core (080)*
ENGL 1301 (010)* Composition I	ENGL 1302 (010) Composition II*
HIST 1301 United States History I (060)*	HIST 1302 United States History II or HIST 2301 Texas History (060)*
BIOL 1406 or 1306/1106 Biology for Science Majors I	PHYS 1415 or 1315/1115 Physical Science I
MATH 1314 College Algebra**	MATH 2312 Pre-Calculus**
Year 2	
Choose <u>one</u> of the following: <ul style="list-style-type: none"> • ENGL 2322 British Literature I • ENGL 2332 World Literature I • ENGL 2333 World Literature II • ENGL 2351 Mexican American Literature 	EDUC 2301 Introduction to Special Populations**
GOVT 2305 (070)* Federal Government	GOVT 2306 (070)* Texas Government
	Creative Arts Core (050)*
Language, Philosophy and Culture Core (040)*	Component Area Option Core (090)*
Component Area Option Core (090)*	

* Core Curriculum

** AAT

Notes Regarding Institutional Exceptions or Special Cases:

COM; LSC; SJC; TAMU-V: MATH 1350 and 1351 required for AAT; Four-Year institutions prefer Biol/Chem/Phy

TAMUV: 12 SCH required for Life and Physical Science (030)

UHCL: 12 SCH of Natural Science required. At least one BIOL/ENVR, one GEOL and one CHEM/PHYS/ASTR. MATH 2312 will not apply.

UHD: Prefers BIOL/CHEM/PHYS

Grade 7—Grade 12: English/Language Arts Track

Alvin College	College of the Mainland	Galveston College	Houston City College
	AAT (7-12 Track)		
Lone Star College	San Jacinto College	Wharton County Junior College	
	AAT (7-12 Track)		

PVAMU	UH	UH Downtown	UH Clear Lake	TAMUV	TSU	TWU
BA, English with Teacher Certification 7-12	BA, English with a Minor in Education Certification Track	BA, English with Concentration in English Education	BA, Literature with English/Language Arts 7-12	BA, English with Teacher Certification	BA, English, teaching track	BA, English with Teacher Certification 7-12

Courses in the following representative sequence apply to lower-level requirements in Education degrees across Houston GPS institutions without resulting in excess credit upon transfer. This map incorporates the AAT curriculum for **Grade 7—Grade 12: English/Language Arts** Track. Course numbers provided are those in the Texas Common Course Numbering System.

Year 1	
EDUC 1301 Introduction to the Teaching Profession**	ENGL 1302 Composition II (010)*
ENGL 1301 Composition I (010)*	Language, Philosophy and Culture Core (040)*
HIST 1301 United States History I (060)*	HIST 1302 United States History II (060)*
Social and Behavioral Sciences Core (080)*	Creative Arts Core (050)*
Mathematics Core (020)*	Component Area Option Core (090)*
Year 2	
ENGL 2321 British Literature**	EDUC 2301 Introduction to Special Populations**
ENGL 2327 American Literature**	Choose <u>two</u> of the following four**: <ul style="list-style-type: none"> • ENGL 2307 Creative Writing • ENGL 2323 British Literature II • ENGL 2328 American Literature II • ENGL 2331 World Literature • ENGL 2351 Mexican American Literature
Life and Physical Science Core 1 (030)*	Life and Physical Science Core 2 (030)*
GOVT 2305 (070)* Federal Government	GOVT 2306 (070)* Texas Government
Component Area Option Core (090)*	

* Core Curriculum

** AAT

Notes Regarding Institutional Exceptions or Special Cases:

TSU: EDUC 1301 Intro to the Teaching Profession and EDUC 2301 Intro to Special Populations are not transferrable.

Grade 7—Grade 12: Math Track

Alvin College	College of the Mainland	Galveston College	Houston City College
AAT	AAT, 7-12	AS, Math 8-12	
Lone Star College	San Jacinto College		Wharton County Junior College
	AAT, 7-12		

PVAMU	UH	UH Downtown	UH Clear Lake	TAMUV	TSU	TWU
BS, Mathematics with Teacher Certification Concentration 7-12	BS, Math with Secondary Teacher Certification Track	BA, Mathematics with Secondary Teacher Certification BS, Applied Statistics with Secondary Mathematics Teacher Certification	BA, Mathematical Science with Mathematics 7-12 BS, Mathematical Science with Mathematics 7-12	BS, Mathematics with Teacher Certification	BS, Math, teaching track	BS, Math with Teacher Certification 7-12

Courses in the following representative sequence apply to lower-level requirements in Education degrees across Houston GPS institutions without resulting in excess credit upon transfer. This map incorporates the AAT curriculum for **Grade 7—Grade 12: Math Track**. Course numbers provided are those in the Texas Common Course Numbering System.

Year 1	
EDUC 1301 Introduction to the Teaching Profession**	MATH 2312 Pre-Calculus**
ENGL 1301 Composition I (010)*	ENGL 1302 Composition II (010)*
HIST 1301 United States History I (060)*	HIST 1302 United States History II (060)*
MATH 1342 Elementary Statistical Methods**	Creative Arts Core (050)*
MATH 1314 College Algebra**	Social and Behavioral Sciences Core (080)*
Year 2	
MATH 2413 Calculus I**	EDUC 2301 Introduction to Special Populations**
GOVT 2305 (070)* Federal Government	GOVT 2306 (070)* Texas Government
Life and Physical Science Core 1 (030)*	Life and Physical Science Core 2 (030)*
Language, Philosophy and Culture Core (040)*	MATH 2414 Calculus II**
Component Area Option Core (090)*	Component Area Option Core (090)*

* Core Curriculum

** AAT

Notes Regarding Institutional Exceptions or Special Cases:

TSU: EDUC 1301 Intro to the Teaching Profession and EDUC 2301 Intro to Special Populations are not transferrable.

PVAMU: Trig instead of Pre-Calc; MATH 1314 not transferrable

ACC: MATH 1342 not included but will be added starting with the 2026-2027 catalog year.

UHD: MATH 1342, 1314 and 2312 will not apply to the degree

UHCL: MATH 1342, 1314 and 2312 will not apply to the core requirement; 3 SCH for one of these MATH courses will be used Component Area Option (090). EDUC 1301 and 2301 not transferrable. EDUC 1301 can be used for one of the Component Area Option (090).

UH: Issue with second component area option core (090); MATH 1342 may not count

GC: Also has MATH 2415 and 2320

Grade 7—Grade 12: Social Studies Track

Alvin College	College of the Mainland	Galveston College	Houston City College
	AAT EC - 12 other than Special Education (Generalist track for the 7 - 12 Tracks).		
Lone Star College	San Jacinto College		Wharton County Junior College
	AAT		

PVAMU	UH	UH Downtown	UH Clear Lake	TAMUV	TSU	TWU
	BA, History with Minor in Education - Certification Track	BA, History with Social Studies Secondary Education Concentration	BA, History with Social Studies 7-12 BS, Geography with Social Studies 7-12			BS, History (4-8 Social Studies Certification)

Courses in the following representative sequence apply to lower-level requirements in **Education** degrees across Houston GPS institutions without resulting in excess credit upon transfer. This map incorporates the AAT curriculum for **Grade 7—Grade 12: Social Studies** Track. Course numbers provided are those in the Texas Common Course Numbering System.

Year 1	
EDUC 1301 Introduction to the Teaching Profession**	HIST 1302 United States History II (060)*
ENGL 1301 (010)* Composition I	Creative Arts Core (050)*
HIST 1301 United States History I (060)*	ENGL 1302 (010) Composition II*
Social and Behavioral Sciences Core (080)*	Choose <u>one</u> of the following**: <ul style="list-style-type: none"> • HIST 2311 Western Civilizations I • HIST 2321 World Civilizations I
Mathematics Core (020)*	Component Area Option Core (090)*
Year 2	
HIST 2301 Texas History**	EDUC 2301 Introduction to Special Populations**
GOVT 2305 (070)* Federal Government	GOVT 2306 (070)* Texas Government
Life and Physical Science Core 1 (030)*	Life and Physical Science Core 2 (030)*
Choose <u>one</u> of the following: <ul style="list-style-type: none"> • HIST 2312 Western Civilizations II • HIST 2322 World Civilizations II 	Choose <u>one</u> of the following**: <ul style="list-style-type: none"> • ECON 2301 Principles of Macroeconomics • HIST 2327 Mexican American History I • HIST 2328 Mexican American History II • HIST 2381 African American History
Component Area Option Core (090)*	

* Core Curriculum

** AAT

Notes Regarding Institutional Exceptions or Special Cases:

UHD: Texas History can transfer but it will need another course outside of the core

Grade 7—Grade 12: History Track

Alvin College	College of the Mainland	Galveston College	Houston City College
AAT	AAT EC - 12 other than Special Education (Generalist track for the 7 - 12 Tracks)		AA, History with Teacher Certification Track
Lone Star College	San Jacinto College		Wharton County Junior College
	AAT		

PVAMU	UH	UH Downtown	UH Clear Lake	TAMUV	TSU	TWU
	BA, History with Minor in Education - Certification Track	BA, History with Secondary Education Concentration	BA, History with History 7-12	BA, History with Teacher Certification		BS, History (4-8 Social Studies Certification)

Courses in the following representative sequence apply to lower-level requirements in Education degrees across Houston GPS institutions without resulting in excess credit upon transfer. This map incorporates the AAT curriculum for **Grade 7—Grade 12: History Track**. Course numbers provided are those in the Texas Common Course Numbering System.

Year 1	
EDUC 1301 Introduction to the Teaching Profession**	HIST 2301 Texas History**
ENGL 1301 (010)* Composition I	ENGL 1302 (010) Composition II*
HIST 1301 United States History I (060)*	HIST 1302 United States History II (060)*
Social and Behavioral Sciences Core (080)*	Creative Arts Core (050)*
Mathematics Core (020)*	Component Area Option Core (090)*
Year 2	
Choose <u>one</u> of the following**: <ul style="list-style-type: none"> • ECON 2301 Principles of Macroeconomics • HIST 2327 Mexican American History I • HIST 2328 Mexican American History II • HIST 2381 African American History 	EDUC 2301 Introduction to Special Populations**
GOVT 2305 (070)* Federal Government	GOVT 2306 (070)* Texas Government
Life and Physical Science Core 1 (030)*	Life and Physical Science Core 2 (030)*
Choose <u>one</u> of the following**: <ul style="list-style-type: none"> • HIST 2311 Western Civilization I • HIST 2321 World Civilizations I HIST 2327 Mexican American History I	Choose <u>one</u> of the following**: <ul style="list-style-type: none"> • HIST 2312 Western Civilization II • HIST 2322 World Civilizations II
Component Area Option Core (090)*	

* Core Curriculum

** AAT

Notes Regarding Institutional Exceptions or Special Cases:

UHD: EDUC 1301 will not transfer for any secondary certification, but EDUC 2301 will

UHCL: Students should take HIST 2321, HIST 2322, and ECON 2301.

Grade 7—Grade 12: Science Track

Alvin College	College of the Mainland	Galveston College	Houston City College
AAT 7-12	AAT		
Lone Star College	San Jacinto College	Wharton County Junior College	
	AAT		

PVAMU	UH	UH Downtown	UH Clear Lake	TAMUV	TSU	TWU
BS in Science Major with Teacher Certification 7-12	BS in Science Major with Teacher Certification 7-12	BS, Biological and Physical Sciences with Concentration in Teacher Certification	BA, Biological Science 7-12 Grade Life Science			BS, Chemistry, Biochemistry with Teacher Certification 7-12 BS, Biology with Teacher Certification 7-12

Courses in the following representative sequence apply to lower-level requirements in Education degrees across Houston GPS institutions without resulting in excess credit upon transfer. This map incorporates the AAT curriculum for **Grade 7—Grade 12: Science Track**. Course numbers provided are those in the Texas Common Course Numbering System.

Year 1	
EDUC 1301 Introduction to the Teaching Profession**	Choose <u>one</u> of the following**: <ul style="list-style-type: none"> • GEOL 1401 or 1301/1101 Earth Sciences for Non-Science Majors • GEOL 1403 or 1303/1103 Physical Geology
ENGL 1301 Composition I (010)*	ENGL 1302 (010) Composition II*
HIST 1301 United States History I (060)*	HIST 1302 United States History II (060)*
Social and Behavioral Sciences Core (080)*	Creative Arts Core (050)*
Mathematics Core (020)*	Language, Philosophy and Culture Core (040)*
Year 2	
Choose <u>one</u> of the following**: <ul style="list-style-type: none"> • BIOL 1408 or 1308/1108 Biology for Non-Science Majors • BIOL 1406 or 1306/1106 Biology for Science majors 	Choose <u>one</u> of the following**: <ul style="list-style-type: none"> • PHYS 1401 College Physics • CHEM 1412 or 1312/1112 General Chemistry II
CHEM 1411 or 1311/1111 General Chemistry I**	EDUC 2301 Introduction to Special Populations**
GOVT 2305 (070)* Federal Government	GOVT 2306 (070)* Texas Government
Component Area Option Core (090)*	Component Area Option Core (090)*

* Core Curriculum

** AAT

Notes Regarding Institutional Exceptions or Special Cases:

UHD: EDUC 1301 will not transfer for any secondary certification, but EDUC 2301 will; requirement for pre-calculus as part of core

UH: Instead of second Component Area Option (090) need a math reasoning course

UHCL: Students should take BIOL 1307/1107 or 1407 instead of GEOL 1401 or 1403; Requires CHEM 1411 and 1412

TWU: Recommend students take science for science majors. Does not accept Organic Chem II.