

# The University of Texas at Brownsville/Texas Southmost College

## General Education Core Curriculum 2014 - 2015

This document provides a comprehensive list of UTB/TSC courses and their equivalent UTRGV courses.

A significant number of courses have changed their course prefix, number, and title. For example, Government (GOVT) 2301 American and Texas Government course will be offered at UTRGV as Political Science (POLS) 2301 U.S. & Texas Government and Politics I.

For any additional information, please visit the Academic Advising Center.

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### 010 - Communication (2 courses – 6 hours required; minimum grade of C)

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#### *UTB/TSC Course*

English 1301 – Composition I  
English 1302 – Composition II

#### *UTRGV Course*

English 1301 - Rhetoric and Composition I  
English 1302 - Rhetoric and Composition II

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### 020 - Mathematics (1 course – 3 hours required; minimum grade of C)

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#### *UTB/TSC Course*

<sup>1</sup> Math 1314 – College Algebra  
Math 1324 – Mathematics for Business and Social Sciences I  
<sup>2</sup> Math 1325 – Mathematics for Business and Social Sciences II  
Math 1332 – Contemporary Mathematics I  
<sup>3</sup> Math 1342 – Elementary Statistical Methods  
Math 1348 – Analytic Geometry  
Math 1350 – Fundamentals of Mathematics for Teachers I  
Math 1351 – Fundamentals of Mathematics for Teachers II  
Math 2305 – Discrete Mathematics  
Math 2318 – Linear Algebra  
Math 2321 – Differential Equations and Linear Algebra  
Math 2412 – Pre-Calculus Mathematics  
<sup>4</sup> Math 2413 – Calculus I

#### *UTRGV Course*

Math 1314 – College Algebra  
Math 1324 – Mathematics for Business and Social Sciences  
Math 1325 – Calculus for Business and Social Sciences  
Math 1332 – Contemporary Mathematics  
Math 1342 – Elementary Statistical Methods  
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Math 1350 – Fundamentals of Mathematics I  
Math 1351 – Fundamentals of Mathematics II  
Math 2305 – Discrete Mathematics  
Math 2318 – Linear Algebra  
Math 2321 – Differential Equations and Linear Algebra  
Math 2412 – Pre-Calculus  
Math 2413 – Calculus I

<sup>1</sup> **MATH 1314** - Required for majors in Business Administration (Accounting, Entrepreneurship, International Business, Finance, Management, Management Information Systems and Marketing), Criminal Justice (Forensic Investigation), Engineering Technology, and Nursing.

<sup>2</sup> **MATH 1325** - Required for majors in Materials Management and Logistics.

<sup>3</sup> **MATH 1342** - Required for majors in Biology (4<sup>th</sup>-8<sup>th</sup> Grade Teaching) and Environmental Sciences (Teaching and Non-Teaching Certification).

<sup>4</sup> **MATH 2413** - Required for majors in Biology (Non-Teaching and 8<sup>th</sup> – 12<sup>th</sup> Grade Teaching), Biomedicine, Chemistry (Teaching and Non-Teaching), Computer Science, Computational Science, Computer Information Technology, Engineering Physics (Tracks: Bioengineering, Computer Engineering, Electrical, and Mechanical), Mathematics (Teaching and Non-Teaching Certification).

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### 030 - Natural Science (2 courses, 2 labs – 8 hours required)

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#### *UTB/TSC Course*

Astronomy 1403 – Star and Galaxies with lab  
Astronomy 1304/1104 – Solar System with lab  
<sup>5</sup> Biology 1306/1106 – Biology for Science Majors I with lab  
Biology 1307/1107 – Biology for Science Majors II with lab  
Biology 1308/1108 – Biology for Non-Science Majors I with lab  
Biology 1309/1109 – Biology for Non-Science Majors II with lab  
<sup>6</sup> Biology 2301/2101 – Anatomy and Physiology I with lab  
<sup>6</sup> Biology 2302/2102 – Anatomy and Physiology II with lab  
Chemistry 1405 – Introductory Chemistry I with lab  
Chemistry 1307/1107 – Introductory Chemistry II with lab  
<sup>5,7,9</sup> Chemistry 1411 – General Chemistry I with lab  
<sup>8</sup> Chemistry 1412 – General Chemistry II with lab  
Environmental Science 1401 – Environmental Science I with lab  
Environmental Science 1402 – Environmental Science II with lab  
<sup>8</sup> Geology 1401 – Earth Sciences I with lab  
<sup>8</sup> Geology 1403 – Physical Geology with lab  
Geology 1404 – Historical Geology with lab  
Geology 1347/1147 – Meteorology with lab  
<sup>9</sup> Physics 1401 – College Physics I with lab

#### *UTRGV Course*

Astronomy 1402 - Introduction to Astronomy II with lab  
Astronomy 1401 - Introduction to Astronomy I with lab  
Biology 1406 - General Biology I with lab  
Biology 1407 - General Biology II with lab  
Biology 1308/1108 - Biological Concepts I for Non-Majors with lab  
Biology 1309/1109 - Biological Concepts II for Non-Majors with lab  
Biology 2401 - Anatomy and Physiology I with lab  
Biology 2402 - Anatomy and Physiology II with lab  
Chemistry 1405 – Introductory Chemistry I with lab  
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Chemistry 1311/1111 – General Chemistry I with lab  
Chemistry 1312/1112 – General Chemistry II with lab  
Environmental Science 1401 – Intro. to Environmental Science I with lab  
Environmental Science 1402 – Intro. to Environmental Science II with lab  
Geology 1401 – Earth Sciences I with lab  
Geology 1403 – Physical Geology with lab  
Geology 1404 – Historical Geology with lab  
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Physics 1401 – General Physics I with lab

Physics 1402 – College Physics II with lab  
Physics 1305/1105 – Elementary Physics and Acoustics with lab  
Physics 1410 – Elementary Physics through Video Games with lab  
Physics 1315/1115 – 21<sup>st</sup> Century Energy Issues: Physical Science I with lab  
<sup>10</sup> Physics 2325/2125 – University Physics I with lab  
<sup>10</sup> Physics 2326/2126 – University Physics II with lab

Physics 1402 – General Physics II with lab  
Physics 1405 – Elementary Physics and Acoustics with lab  
Physics 1410 – Elementary Physics through Video Games with lab  
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Physics 2425 – Physics for Scientists and Engineers I with lab  
Physics 2426 – Physics for Scientists and Engineers II with lab

<sup>5</sup> **BIOL 1306/1106 and CHEM 1411** – Required for majors in Criminal Justice (Forensic Investigation).

<sup>6</sup> **BIOL 2301/2101 and BIOL 2302/2102** – Required for majors in Health and Human Performance (Teaching and Non-Teaching), Health and Human Performance – Exercise Science, Health Services Technology and Nursing.

<sup>7</sup> **CHEM 1411 and CHEM 1412** – Required for majors in Biology (Teaching and Non-Teaching), Biomedicine, Chemistry (Teaching and Non-Teaching).

<sup>8</sup> **GEOL 1401 and GEOL 1403** – Required for majors in History/Social Studies 8<sup>th</sup> -12<sup>th</sup> Grade Teaching.

<sup>9</sup> **CHEM 1411 and PHYS 1401** – Required for majors in Engineering Technology, Environmental Sciences (Teaching and Non-Teaching).

<sup>10</sup> **PHYS 2325/2125 and PHYS 2326/2126** – Required for majors in Computer Science, Computational Science, Engineering Physics (all tracks).

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## 040 - Humanities (1 course – 3 hours required)

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### ***UTB/TSC Course***

English 2341 – Forms of Literature

### ***UTRGV Course***

English 2341 - Introduction to Literature

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## 050 - Visual and Performing Arts (1 course – 3 hours required)

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### ***UTB/TSC Course***

Arts 1301 – Art Appreciation

<sup>11</sup> Arts 1303 – Art History Survey I

<sup>12</sup> Music 1304 – Teaching Music in the Elementary School

Music 1306 – Music Appreciation

<sup>13</sup> Music 1308 – Music Literature and History I

### ***UTRGV Course***

Arts 1301 – Art Appreciation

Arts 1303 – Art History I

Music 1313 – Teaching Music in the Elementary School

Music 1306 – Music Appreciation

Music 1308 – Music Literature and History I

<sup>11</sup> **ARTS 1303** – Required for majors in Art (Teaching and Non-Teaching).

<sup>12</sup> **MUSI 1304** – Required for majors in EC – 6<sup>th</sup> Education (Bilingual, E.S.L., and Special Education).

<sup>13</sup> **MUSI 1308** – Required for majors in Music (Teaching and Non-Teaching).

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## 060 - History (2 courses – 6 hours required)

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### ***UTB/TSC Course***

History 1301 – United States to 1877

History 1302 – United States since 1877

### ***UTRGV Course***

History 1301 – U.S. History I

History 1302 – U.S. History II

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## 070 - Government (2 courses – 6 hours required)

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### ***UTB/TSC Course***

Government 2301 – American and Texas Government

Government 2302 – American Government and Policy

### ***UTRGV Course***

Political Science 2301 - U.S. & Texas Government and Politics I

Political Science 2302 - U.S. & Texas Government and Politics II

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## 080 - Social and Behavioral Sciences (1 course – 3 hours required)

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### ***UTB/TSC Course***

Anthropology 2351 – Cultural Anthropology

Business 1301 – Business Principles

<sup>14</sup> Economics 2301 – Principles of Macroeconomics

<sup>15</sup> Geography 1303 – World Regional Geography

<sup>16</sup> Psychology 2301 – General Psychology

<sup>17</sup> Sociology 1301 – Introductory Sociology

### ***UTRGV Course***

Anthropology 2351 – Introduction to Cultural Anthropology

Management 1301 - Introduction to Business

Economics 2301 – Principles of Macroeconomics

Geography 1303 – World Regional Geography

Psychology 2301 – General Psychology

Sociology 1301 – Introduction to Sociology

<sup>14</sup> **ECON 2301** – Required for majors in Business Administration (Accounting, Entrepreneurship, International Business, Finance, Management, and Marketing) and Materials Management and Logistics.

<sup>15</sup> **GEOG 1303** – Required for majors in Environmental Sciences (Teaching and Non-Teaching), History/Social Studies 8<sup>th</sup> -12<sup>th</sup> Grade Teaching.

<sup>16</sup> **PSYC 2301** – Required for majors in History 8<sup>th</sup> -12<sup>th</sup> Grade Teaching and Health Services Technology.

<sup>17</sup> **SOCI 1301** – Required for majors in Criminal Justice (all tracks), Health Services Technology, and Law and Justice Studies.

## 090 - Institutionally Designated Option (2 courses – 4 hours required)

### **UTB/TSC Course**

Kinesiology 1164 - Introduction to Physical Fitness and Sport **or** any one-hour activity course  
Kinesiology 1100 – Advanced Life Saving  
Kinesiology 1101 – Aerobic Dance and Exercise  
Kinesiology 1102 – Angling and Baitcasting  
Kinesiology 1103 – Archery  
Kinesiology 1104 – Badminton  
Kinesiology 1105 – Ballet I  
Kinesiology 1106 – Ballet II  
Kinesiology 1107 – Basketball  
Kinesiology 1109 – Bowling  
Kinesiology 1110 – Flag Football  
Kinesiology 1111 – Folk and Square Dance  
Kinesiology 1112 – Folklorico  
Kinesiology 1113 – Golf  
Kinesiology 1114 – Gymnastics  
Kinesiology 1115 – Jazz and Modern Dance  
Kinesiology 1116 – Jogging  
Kinesiology 1117 – Paddle Tennis  
Kinesiology 1118 – Pington  
Kinesiology 1119 – Racquetball  
Kinesiology 1120 – Sailing  
Kinesiology 1121 – Self-Defense  
Kinesiology 1122 – Soccer  
Kinesiology 1123 – Softball  
Kinesiology 1124 – Swimming  
Kinesiology 1125 – Table Tennis  
Kinesiology 1126 – Tap Dance  
Kinesiology 1127 – Tennis I  
Kinesiology 1128 – Tennis II  
Kinesiology 1129 – Volleyball  
Kinesiology 1130 – Weight Training  
Kinesiology 1131 – Wrestling  
Kinesiology 1132 – Surfing  
Kinesiology 1134 – Physical Conditioning

### **UTRGV Course**

Kinesiology 1164 - Introduction to Fitness and Sports  
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Kinesiology 1201 – Aerobic Exercise  
Kinesiology 1202 – Angling and Baitcasting  
Kinesiology 1203 – Archery  
Kinesiology 1204 – Badminton  
Kinesiology 1205 – Ballet I  
Kinesiology 1206 – Ballet II  
Kinesiology 1207 – Basketball  
Kinesiology 1209 – Bowling  
Kinesiology 1210 – Flag Football  
Kinesiology 1211 – Folk and Square Dance  
Kinesiology 1212 – Folklorico  
Kinesiology 1213 – Golf  
Kinesiology 1214 – Gymnastics  
Kinesiology 1215 – Jazz and Modern Dance  
Kinesiology 1216 – Jogging  
Kinesiology 1217 – Paddle Tennis  
Kinesiology 1218 – Pington  
Kinesiology 1219 – Racquetball  
Kinesiology 1220 – Sailing  
Kinesiology 1221 – Self-Defense  
Kinesiology 1222 – Soccer  
Kinesiology 1223 – Softball  
Kinesiology 1224 – Swimming  
Kinesiology 1225 – Table Tennis  
Kinesiology 1226 – Tap Dance  
Kinesiology 1227 – Tennis  
Kinesiology 1228 – Tennis II  
Kinesiology 1229 – Volleyball  
Kinesiology 1230 – Weight Training  
Kinesiology 1231 – Wrestling  
Kinesiology 1232 – Surfing  
Kinesiology 1233 – Physical Conditioning

### ***And one of these:***

<sup>18</sup> Speech 1315 – Applied Communication  
Speech 1318 – Interpersonal Communication

Communication 1315 - Public Speaking  
Communication 1318 - Interpersonal Communication

<sup>18</sup> **SPCH 1315** – Required for majors in Computational Science and Computer Science.

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**Total Hours = 42**

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