



Upgrade Implementation Plan 2019-2020

John Tyler Community College – Chesterfield County Public Schools
(Cosby High School)
General Education Certificate



Chesterfield County Public Schools
Innovative. Engaging. Relevant.

Chesterfield County Public Schools and John Tyler Community College have partnered to provide this advanced college pathway for high-achieving high school students to complete the 32-Credit **General Education Certificate** through John Tyler Community College concurrent with high school graduation. Qualified Upgrade graduates may receive the Governor’s Medallion and be recognized as Governor’s Scholars.

| Course Options To Fulfill College Requirements | Term(s) Scheduled F, S, Sum | Course Location | Delivery Method* Approved By JTCC DE, CE, AP, IB | College Credits | Teaching Faculty Provider | Fulfills H.S. Requirement | H.S. Course Name In Program of Studies |
|--|-----------------------------------|--------------------|--|--------------------|---------------------------------|------------------------------|---|
| ENGLISH/COLLEGE COMPOSITION – 6 CREDITS REQUIRED ***** | | | | | | | |
| ENG 111 College Composition I | F/S | CHS | DE-JTCC/ AP English Lang/Lit | 3 | CCPS | Y | English/College Composition |
| ENG 112 College Composition II | F/S | CHS | DE-JTCC/ AP English Lang/Lit | 3 | CCPS | Y | English/College Composition |
| MATHEMATICS ELECTIVE – 3 CREDITS REQUIRED ***** | | | | | | | |
| MTH 154 Quantitative Reasoning | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| MTH 161 Pre-calculus I | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| MTH 263 Calculus I** | F/S/Sum | JTCC/CHS | CE/AP Calculus AB | 4 | JTCC/CCPS | Y | Calculus I |
| LABORATORY SCIENCES ELECTIVES – 8 CREDITS REQUIRED (High school students may complete two different sciences or a two-semester sequence in a single science.) ***** | | | | | | | |
| BIO 101 General Biology I | F/S | CHS | DE-JTCC/ AP Biology | 4 | CCPS | Y | Biology |
| BIO 102 General Biology II | F/S | CHS | DE-JTCC/ AP Biology | 4 | CCPS | Y | Biology |
| ENV 121 Environmental Science I | F/S/Sum | JTCC/CHS | CE/AP Environmental Science | 4 | JTCC/CCPS | Y | Environmental Science |
| ENV 122 Environmental Science II | F/S/Sum | JTCC/CHS | CE/AP Environmental Science | 4 | JTCC/CCPS | Y | Environmental Science |
| CHM 101 Intro Chemistry I | F/S | CHS | DE-JTCC | 4 | CCPS | Y | Chemistry |
| CHM 102 Intro Chemistry II | F/S | CHS | DE-JTCC | 4 | CCPS | Y | Chemistry |
| CHM 111 College Chemistry I** | F/S/Sum | JTCC/CHS | CE/AP Chemistry | 4 | JTCC/CCPS | Y | AP Chemistry |
| CHM 112 College Chemistry II** | F/S/Sum | JTCC/CHS | CE/AP Chemistry | 4 | JTCC/CCPS | Y | AP Chemistry |
| PHY 101 Intro Physics I | F/S/Sum | JTCC | CE | 4 | JTCC | | |
| PHY 201 General College Physics I** | F/S/Sum | JTCC/CHS | CE/AP Physics I | 4 | JTCC | | College Physics I |
| PHY 202 General College Physics II** | F/S/Sum | JTCC | CE | 4 | JTCC | | |
| PHY 241 University Physics I** | F/S/Sum | JTCC | CE | 4 | JTCC | | |

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|--|---------|----------|------------------------|---|-----------|---|-----------------|
| <i>PHY 242 University Physics II**</i> | F/S/Sum | JTCC | CE | 4 | JTCCS | | |
| HISTORY ELECTIVE – 3 CREDITS REQUIRED ***** | | | | | | | |
| HIS 101 Western Civilization I | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| HIS 102 Western Civilization II | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| HIS 111 World Civilization I | F/S/Sum | JTCC/CHS | CE/AP World History | 3 | JTCC/CCPS | Y | World History |
| HIS 112 World Civilization II | F/S/Sum | JTCC/CHS | CE/AP World History | 3 | JTCC/CCPS | Y | World History |
| HIS 121 US History I | F/S | CHS | DE-JTCC/AP US History | 3 | CCPS | Y | US/VA History |
| HIS 122 US History II | F/S | CHS | DE-JTCC/AP US History | 3 | CCPS | Y | US/VA History |
| CULTURAL UNDERSTANDING/CIVIC ENGAGEMENT ELECTIVE – 3 CREDITS REQUIRED ***** | | | | | | | |
| REL 230 Religions of World | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| SOC 268 Social Problems | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| GEO 210 Cultural Geography | F/S/Sum | JTCC/CHS | CE/AP Human Geography | 3 | JTCC/CCPS | Y | Geography |
| GEO 220 World Regional Geography | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| PLS 135 American National Politics | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| PLS 211 U.S. Government I | F/S | CHS | DE-JTCC/ AP Government | 3 | CCPS | Y | U.S. Government |
| PLS 212 U.S. Government II | F/S | CHS | DE-JTCC | 3 | CCPS | Y | U.S. Government |
| PLS 241 International Relations I | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| SOCIAL/BEHAVIORAL ELECTIVES – 3 CREDITS REQUIRED)***** | | | | | | | |
| PSY 200 Principles of Psychology | F/S/Sum | JTCC/CHS | CE/AP Psychology | 3 | JTCC/CCPS | Y | Psychology |
| PSY 230 Developmental Psychology | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| SOC 200 Principles of Sociology | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| SOC 211 Principles of Anthropology I | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| SOC 268 Social Problems | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| SOCIAL/BEHAVIORAL SCIENCE OR HUMANITIES ELECTIVE – 3 CREDITS REQUIRED ***** | | | | | | | |
| HIS 102 Western Civilization II | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| HIS 112 World Civilization II | F/S/Sum | JTCC/CHS | CE/AP World History | 3 | JTCC/CCPS | Y | World History |
| HIS 122 US History II | F/S | CHS | DE-JTCC/AP US History | 3 | CCPS | Y | US/VA History |
| PHI 101 Intro Philosophy I | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| PHI 111 Logic | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| PHI 220 Ethics | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| PSY 230 Developmental Psychology | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| REL 100 Intro Study of Religion | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| REL 230 Religions of the World | F/S/Sum | JTCC | CE | 3 | JTCC | | |

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| FRE 101 Beginning French I | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| SPA 101 Beginning Spanish I | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| FRE 201 Intermediate French I*** | F/S/Sum | JTCC/CHS | CE/AP French | 3 | JTCC/CCPS | 3 | College French |
| SPA 201/203 Intermediate Spanish I*** | F/S/Sum | JTCC/CHS | CE/AP Spanish Language | 3 | JTCC/CCPS | Y | College Spanish |
| LITERATURE ELECTIVE – 3 CREDITS REQUIRED ***** | | | | | | | |
| ENG 241 American Literature I | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| ENG 242 American Literature II | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| ENG 243 English Literature I | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| ENG 244 English Literature II | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| ENG 251 World Literature I | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| ENG 252 World Literature II | F/S/Sum | JTCC | CE | 3 | JTCC | | |
| TOTAL OF 32 COLLEGE CREDITS | | | | | | | |

This certificate is designed to parallel the first year of general education at many transfer institutions.

Additional information and student forms for the UpGrade Program are available at <http://www.jtcc.edu/upgrade>. *Term/Semesters are subject to change.*

**Delivery Method – Students may complete the General Education Certificate through a variety of means. Each high school offers a unique combination of course options.*

- **DE- JTCC (Dual Enrollment)** - Enrollment in college classes taught at the high school by instructors who meet the credential requirements set forth by the VCCS and/or the Southern Association of Colleges and Schools. Dual credit will be awarded toward this plan for pre-approved courses. A grade of 'C' or higher is expected. Courses shown as offered through DE are available in at least one high school in the John Tyler region.
- **CE-JTCC (Concurrent Enrollment)** - Enrollment in college classes taught by college faculty on campus, via the Internet, as a hybrid, or possibly at the high school. JTCC credit will be awarded toward this plan for pre-approved courses. A grade of 'C' or higher is expected. **These courses are taken by high school students entirely at their own expense. Domicile and immigration regulations/deadlines apply.** CE-JTCC courses are taken with the permission of the parent, high school principal, and JTCC. All of the requirements can be met through concurrent enrollment at the College.
- **AP (Advanced Placement)** - Credit awarded by JTCC for score of '3' or higher on Advanced Placement exam. Students must request that scores be reported to JTCC.
- **IB (International Baccalaureate)** – Credit awarded by JTCC for exam scores – credit varies by score (4&5 or 6&7). Students must request that scores be reported to JTCC.

Students who take AP or IB exams in the senior year will not qualify in time for JTCC spring graduation or the annual Commencement ceremony, but may qualify for August graduation.

****This course is not required for the General Education Certificate, although it satisfies a requirement.** Students should also investigate JTCC's specialized transfer degrees at www.jtcc.edu/academics, such as: AS in Engineering, AS in General Studies- Science Specialization and the AS in Health Sciences/Pre-BSN. Students interested in science, technology, engineering and math (STEM)-related transfer degrees should take MTH 161 or higher to fulfill their math requirement. STEM students should take CHM 111-112 and either PHY 201-202 or PHY 241-242 for their degrees.

*** AP Chinese, German, Italian, Japanese and Latin are also accepted. Students should consult with their intended senior institutions regarding any required levels of foreign language competency (beginning, intermediate, etc.) Students who excel in foreign languages should also investigate the AA in Liberal Arts. Details are available at www.jtcc.edu/academics.

Residency Requirement - Students must earn at least twenty-five percent – 8 college credits - through JTCC Dual and/or Concurrent Enrollment to satisfy the JTCC Residency Requirement. Any modifications to the above pathway will be outlined in writing and agreed upon by JTCC and school division. Any modifications will not prevent students from obtaining the plan's intended credential. All classes are subject to availability.

Guaranteed Admission and Transfer Agreements

A number of four-year colleges and universities have signed agreements that guarantee admission to JTCC degree graduates, including those from the UpGrade program. Several institutions prefer that UpGrade students complete the General Education Certificate and enroll at JTCC to complete a specified degree to qualify for guaranteed admission. Some institutions limit credit that can be earned through AP. Details of John Tyler's transfer agreements are located at: www.jtcc.edu/transfer. Students should consult with admission and transfer offices at each of their intended institutions. Students may request possible course substitutions at JTCC to satisfy major requirements for an intended senior institution.