



## Upgrade Implementation Plan 2019-2020

John Tyler Community College – Chesterfield County Public Schools  
(Midlothian High School)

A.S. Degree in General Studies



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 60-Credit **Associate of Science Degree (A.S.) in General Studies** 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
<b>COLLEGE SUCCESS SKILLS – 1 CREDIT REQUIRED</b> *****							
SDV 100 or SDV 108	F/S/Sum	JTCC	CE	1	JTCC	N	
<b>ENGLISH/COLLEGE COMPOSITION – 6 CREDITS REQUIRED</b> *****							
ENG 111 College Composition I	F/S	MHS	DE-JTCC/ AP English Lang/Lit	3	CCPS	Y	English/College Composition
ENG 112 College Composition II	F/S	MHS	DE-JTCC/ AP English Lang/Lit	3	CCPS	Y	English/College Composition
<b>MATHEMATICS ELECTIVE #1 – 3 CREDITS REQUIRED</b> *****							
MTH 154 Quantitative Reasoning	F/S/Sum	JTCC	CE	3	JTCC		
MTH 161 Pre-calculus I	F/S	MHS	DE-JTCC	3	CCPS	Y	Pre-Calculus
MTH 263 Calculus I**	F/S/Sum	JTCC/MHS	CE/AP Calculus AB	4	JTCC/CCPS	Y	Calculus I
<b>MATHEMATICS ELECTIVE #2 – 3 CREDITS REQUIRED</b> *****							
MTH 245 Statistics I	F/S/Sum	JTCC/MHS	CE/AP Statistics	3	JTCC/CCPS	Y	Statistics
MTH 162 Pre-calculus II	F/S	MHS	DE-JTCC	3	CCPS	Y	Pre-calculus
MTH 264 Calculus II**	F/S/Sum	JTCC	CE	4	JTCC		
<b>COMMUNICATIONS ELECTIVE – 3 CREDITS REQUIRED</b> *****							
CST 100 Public Speaking (OR) CST 110 Communications	F/S/Sum	JTCC	CE	3	JTCC		
<b>LABORATORY SCIENCES ELECTIVES – 8 CREDITS REQUIRED (High school students may complete two different sciences or a two-semester sequence in a single science.)</b> *****							
BIO 101 General Biology I	F/S/Sum	JTCC/MHS	CE/AP Biology/ IBHL Biology (score of 5)	4	JTCC/CCPS	Y	General Biology
BIO 102 General Biology II	F/S/Sum	JTCC/MHS	CE/AP Biology/ IBHL Biology (score of 6,7)	4	JTCC/CCPS	Y	General Biology
ENV 121 Environmental Science I	F/S/Sum	JTCC/MHS	CE/AP Environmental Science	4	JTCC/CCPS	Y	Environmental Science

ENV 122 Environmental Science II	F/S/Sum	JTCC/MHS	CE/AP Environmental Science	4	JTCC/CCPS	Y	Environmental Science
CHM 101 Intro Chemistry I	F/S/Sum	JTCC	CE	4	JTCC		
CHM 111 College Chemistry I**	F/S/Sum	JTCC/MHS	CE/AP Chemistry/ IBHL Chemistry (score of 5)	4	JTCC/CCPS	Y	AP/ College Chemistry
CHM 112 College Chemistry II**	F/S/Sum	JTCC/MHS	CE/AP Chemistry/ IBHL Chemistry (score of 6,7)	4	JTCC/CCPS	Y	AP/ College Chemistry
PHY 101 Intro Physics I	F/S/Sum	JTCC	CE	4	JTCC		
PHY 201 General College Physics I**	F/S/Sum	JTCC	CE	4	JTCC		
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		
PHY 242 University Physics II**	F/S/Sum	JTCC	CE	4	JTCC		
<b>HISTORY ELECTIVE – 3 CREDITS REQUIRED *****</b>							
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/MHS	CE/AP World History	3	JTCC/CCPS	Y	World History
HIS 112 World Civilization II	F/S/Sum	JTCC/MHS	CE/AP World History	3	JTCC/CCPS	Y	World History
HIS 121 US History I	F/S/Sum	JTCC/MHS	CE/AP US History	3	JTCC/CCPS	Y	US/VA History
HIS 122 US History II	F/S/Sum	JTCC/MHS	CE/AP US History	3	JTCC/CCPS	Y	US/VA History
<b>CULTURAL UNDERSTANDING/CIVIC ENGAGEMENT ELECTIVE – 3 CREDITS REQUIRED*****</b>							
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/MHS	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/Sum	JTCC/MHS	CE/ AP US Government	3	JTCC/CCPS	Y	U.S. Government
PLS 241 International Relations I	F/S/Sum	JTCC	CE	3	JTCC		
<b>PSYCHOLOGY/SOCIOLOGY ELECTIVES – 6 CREDITS REQUIRED *****</b>							
PSY 200 Principles of Psychology	F/S/Sum	JTCC/MHS	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		
<b>ARTS ELECTIVE – 3 CREDITS REQUIRED *****</b>							

ART 101 History/Appreciation of Art I	F/S/Sum	JTCC/MHS	CE	3	JTCC/CCPS		
Art 102 History/Appreciation of Art II	F/S/Sum	JTCC/MHS	CE	3	JTCC/CCPS		
CST 130 Intro Theatre	F/S/Sum	JTCC	CE	3	JTCC		
CST 151 Film Appreciation I	F/S/Sum	JTCC	CE	3	JTCC		
MUS 121 Music Appreciation I	F/S	MHS	DE-JTCC	3	CCPS	Y	Music Appreciation
<b>LITERATURE ELECTIVE – 3 CREDITS REQUIRED *****</b>							
ENG 241 American Literature I	F/S	MHS	DE-JTCC	3	CCPS	Y	American Literature
ENG 242 American Literature II	F/S/Sum	JTCC	CE	3	JTCC		
ENG 243 English Literature I	F/S	MHS	DE-JTCC	3	CCPS	Y	English Literature
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		
<b>HUMANITIES ELECTIVES – 6 TO 8 CREDITS REQUIRED*****</b>							
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		
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		
FRE 101 Beginning French I	F/S/Sum	JTCC	CE	3	JTCC		
FRE 102 Beginning French II	F/S/Sum	JTCC	CE	3	JTCC		
SPA 101 Beginning Spanish I	F/S/Sum	JTCC	CE	3	JTCC		
SPA 102 Beginning Spanish II	F/S/Sum	JTCC	CE	3	JTCC		
<i>FRE 201 Intermediate French I***</i>	F/S/Sum	JTCC/MHS	CE/AP French	3	JTCC/CCPS	Y	College French
<i>FRE 202 Intermediate French II***</i>	F/S/Sum	JTCC/MHS	CE/AP French	3	JTCC/CCPS	Y	College French
<i>SPA 201/203 Intermediate Spanish I***</i>	F/S/Sum	JTCC/MHS	CE/AP Spanish	3	JTCC/CCPS	Y	College Spanish
<i>SPA 202/204 Intermediate Spanish II***</i>	F/S/Sum	JTCC/MHS	CE/AP Spanish	3	JTCC/CCPS	Y	College Spanish
<b>BUSINESS/OCCUPATIONAL ELECTIVES 6 CREDITS REQUIRED *****</b>							
ADJ 100 Survey Criminal Justice	F/S/Sum	JTCC	CE	3	JTCC		
BUS 100 Intro Business	F/S/Sum	JTCC	CE	3	JTCC		
CSC 200 Intro Computer Science	F/S/Sum	JTCC/MHS	CE/AP Computer Sci Princ	3	JTCC/CCPS		Computer Science Principles
ITE 115 Intro Computer Applications & Concepts (OR) ITE 119 Information Literacy	F/S/Sum	JTCC	CE	3	JTCC		

ECO 201 Principles of Macroeconomics	F/S/Sum	JTCC	CE	3	JTCC		
ECO 202 Principles of Microeconomics	F/S/Sum	JTCC	CE	3	JTCC		
ENG 210 Advanced Composition	F/S/Sum	JTCC	CE	3	JTCC		
ENG 211 Creative Writing I	F/S/Sum	JTCC	CE	3	JTCC		
HLT 160 Personal Health Care & Fitness	F/S	MHS	DE-JTCC	3	CCPS	Y	Personal Health Care & Fitness
<b>TRANSFER ELECTIVES – 6 CREDITS REQUIRED – CHOOSE FROM LISTING IN CATALOG.</b> *****							
<b>TOTAL OF 60 COLLEGE CREDITS</b>							

Additional information and student forms for the UpGrade Program are available at <http://www.itcc.edu/upgrade>.

Term/Semesters are subject to change.

\*Delivery Method – Students may complete the A.S. in General Studies 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 approved 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 A.S. in General Studies, although it satisfies a requirement.** Students should also investigate JTCC’s specialized transfer degrees at [www.itcc.edu/academics](http://www.itcc.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.

\*\*\* 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.itcc.edu/academics](http://www.itcc.edu/academics).

**Residency Requirement - Students must earn at least twenty-five percent – 15 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.

**Each college and university sets its own policies for transfer credit and AP credit.** Students must consult with intended four-year colleges/universities (admission and transfer offices, web sites).

**Guaranteed Admission and Transfer Agreements**

A number of four-year colleges and universities have signed agreements that guarantee admission to JTCC A.S. 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 the A.S. in General Studies in order to qualify for guaranteed admission. Some institutions limit credit that can be earned through AP. Guaranteed admission agreements may specify eligibility for some, but not all majors, and whether this degree satisfies general education requirements for the university and/or major. Details of John Tyler’s transfer agreements are located at: [www.itcc.edu/transfer](http://www.itcc.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.