



JAMES MADISON HIGH SCHOOL
COURSE SELECTIONS AVAILABLE FOR 10th - 12TH GRADE
2016-2017



| Gr | ENGLISH | SOCIAL STUDIES | SCIENCE | MATH |
|-----------------------|------------------------------|---|-----------------------------------|---------------------------------|
| CORE COURSES SEQUENCE | English I | World Geography | Biology I | Algebra 1 |
| | English I Pre-AP | World Geography Pre-AP | Biology I Pre-AP | Geometry |
| | English I G/T | World History | IPC | Geometry Pre-AP |
| | | World History Pre-AP | | Geometry G/T |
| | English II | World Geography | Chemistry I | Geometry |
| | English II Pre-AP | World Geography Pre-AP | Chemistry I Pre-AP | Geometry Pre-AP |
| | English II G/T | World History | IPC | Geometry G/T |
| | | World History Pre-AP | Biology I Pre-AP | Math Models |
| | | AP World History (Can't take after taking World History Pre-AP) | | Algebra II |
| | | AP Human Geography (Can't take after taking World Geography Pre-AP) | | Algebra II Pre-AP |
| | | | | Algebra II G/T |
| | | | | Pre-Calculus Pre-AP |
| 11th | English III | US (History) Studies | Chemistry I | Algebra II |
| | AP English III | AP US History | Chemistry I Pre-AP | Algebra II Pre-AP |
| | AP English III G/T | | Physics I | Pre-Calculus |
| | | | Physics I Pre-AP | Pre-Calculus Pre-AP |
| | | | AP Physics 1 | Statistics |
| | | | AP Chemistry | AP Statistics |
| | | | AP Biology | AP Calculus AB |
| | | | AP Environmental Science | AP Calculus BC |
| | | | | Math Models |
| | | | | College Algebra |
| 12th | English IV | Economics/Government | Physics I | Algebra II |
| | AP English IV Literature | AP Eco/AP Gov. | Physics I Pre-AP | Algebra II Pre-AP |
| | AP English IV Literature G/T | | AP Physics 1 | Pre-Calculus |
| | | | AP Physics 2 | Pre-Calculus Pre-AP |
| | | | AP Physics C | Statistics |
| | | | AP Chemistry | AP Statistics |
| | | | AP Biology | AP Calculus AB |
| | | | AP Environmental Science | AP Calculus BC |
| | | | Forensic Science | College Algebra |
| | | | Astronomy | Advanced Quantitative Reasoning |
| | | | Earth & Space | |
| | | | Anatomy & Physiology | |
| | | | Med. Microbiology/Pathophysiology | |

***Please refer to the AP Course Agreement for this advanced class**

•Summer Reading Assignment

+Teacher Recommendation Required

Application Required: See counselor.

FINAL SCHEDULE CHANGES MAY BE MADE PRIOR TO JUNE 2nd ONLY. NO CHANGES ACCEPTED AFTER THIS DATE.

| ENGLISH | | | |
|------------------|---|-------|----|
| + | 1021 ESOL I (1 st year) | 10 | 1 |
| + | 1022 ESOL II | 10 | 1 |
| | 1213 English II | 10 | 1 |
| * | 1214 English II Pre-AP | 10 | 1 |
| ** | 1215 English II G/T | 10 | 1 |
| | 1313 English III | 11 | 1 |
| * | 1314 AP English III | 11 | 1 |
| ** | 1315 AP English III G/T | 11 | 1 |
| | 1413 English IV | 12 | 1 |
| * | 1501 AP English IV Literature | 12 | 1 |
| ** | 1502 AP English IV Literature G/T | 12 | 1 |
| | 1634 Creative Writing | 10-12 | .5 |
| JOURNALISM | | | |
| | 1703 Journalism I | 10-12 | 1 |
| + | 1743 Adv. Digital Journalism I | 10-12 | 1 |
| + | 1744 Adv. Digital Journalism II | 11-12 | 1 |
| + | 1745 Adv. Digital Journalism III | 12 | 1 |
| + | 1746 Yearbook Prod I | 10-12 | 1 |
| + | 1747 Yearbook Prod II | 11-12 | 1 |
| + | 1748 Yearbook Prod III | 12 | 1 |
| + | 1753 Indep. Study in Journalism | 12 | 1 |
| AVID | | | |
| ## | 1031 AVID II | 10 | 1 |
| ## | 1032 AVID III | 11 | 1 |
| ## | 1033 AVID IV | 12 | 1 |
| MATHEMATICS | | | |
| | 2413 Geometry | 10 | 1 |
| * | 2414 Geometry Pre-AP | 10 | 1 |
| | 2323 Algebra II | 11 | 1 |
| * | 2324 Algebra II Pre-AP | 10-11 | 1 |
| ** | 2325 Algebra II GT | 10 | 1 |
| + | 2330 Ind. Studies College Algebra | 11-12 | 1 |
| | 2715 Pre-Calculus | 11-12 | 1 |
| * | 2719 Pre-Calculus Pre-AP | 10-12 | 1 |
| * | 2734 AP Calculus AB | 11-12 | 1 |
| * | 2735 AP Calculus BC | 12 | 1 |
| | 2605 Statistics | 10-12 | 1 |
| * | 2947 AP Statistics | 11-12 | 1 |
| | 2957 Math Models | 10-12 | 1 |
| | 2610 Adv. Quantitative Reasoning | 11-12 | 1 |
| | 2300 Math Transitions | 11-12 | 1 |
| | 2606 Algebraic Reasoning | 10-11 | 1 |
| SCIENCE | | | |
| | 3123 Integrated Physics & Chem. | 10 | 1 |
| | 3223 Biology I | 10 | 1 |
| * | 3233 Biology Pre-AP | 10 | 1 |
| * | 3243 AP Biology | 11-12 | 1 |
| | 3323 Chemistry I | 10-12 | 1 |
| * | 3333 Chemistry I Pre-AP | 10-12 | 1 |
| * | 3343 AP Chemistry | 11-12 | 1 |
| 4323 Physics | | | |
| * | 3433 Physics Pre-AP | 10-12 | 1 |
| * | 3444 AP Physics (Algebra Base) | 11-12 | 1 |
| * | 3445 AP Physics 2 (Algebra) | 11-12 | 1 |
| * | 3443 AP Physics C (Mechanics) | 12 | 1 |
| | 3656 Environmental Systems | 11-12 | 1 |
| | 8258 Engineering Design | 11-12 | 1 |
| * | 3743 AP Environmental Science | 11-12 | 1 |
| | 3251 Med. Microbiology (Must take w/3252) | 11-12 | .5 |
| | 3252 Pathophysiology (Must take w/3251) | 11-12 | .5 |
| | 3330 Earth and Space Science | 11-12 | 1 |
| | 3253 Anatomy & Physiology | 11-12 | 1 |
| | 8414 Forensic Science | 11-12 | 1 |
| SOCIAL STUDIES | | | |
| | 4120 World Geography | 10-12 | 1 |
| * | 4121 World Geography Pre-AP | 10-12 | 1 |
| | 4213 World History | 10-12 | 1 |
| * | 4214 World History Pre-AP | 10-12 | 1 |
| * | 4215 AP World History | 10-12 | 1 |
| | 4113 US (History) Studies | 11 | 1 |
| * | 4115 AP U.S. History | 11 | 1 |
| | 4346 U.S. Government | 12 | .5 |
| * | 4350 AP U.S. Government | 12 | .5 |
| | 4822 Economics | 12 | .5 |
| * | 4811 AP Macro Economics | 12 | .5 |
| * | 4123 AP Human Geography | 10-12 | 1 |
| * | 4829 AP Psychology | 11-12 | .5 |
| * | 4221 AP European History | 11-12 | 1 |
| | 4830 Psychology | 11-12 | .5 |
| | 4831 Sociology | 11-12 | .5 |
| | 4856/4857 US Military History | 11-12 | 1 |
| | 4837 Special Topics Philosophy | 11-12 | .5 |
| | 4826 AP Comparative Gov't | 11-12 | .5 |
| FOREIGN LANGUAGE | | | |
| | 5013 French I | 10-12 | 1 |
| | 5023 French II | 10-12 | 1 |
| * | 5024 French II Pre-AP | 10-12 | 1 |
| | 5033 French III | 11-12 | 1 |
| * | 5034 French III Pre-AP | 11-12 | 1 |
| * | 5045 AP French Language | 11-12 | 1 |
| | 5113 German I | 10-12 | 1 |
| | 5123 German II | 10-12 | 1 |
| * | 5124 German II Pre-AP | 10-12 | 1 |
| | 5133 German III | 11-12 | 1 |
| * | 5134 German III Pre-AP | 11-12 | 1 |
| * | 5144 German IV Pre-AP | 11-12 | 1 |
| | 5213 Latin I | 10-12 | 1 |
| | 5223 Latin II | 10-12 | 1 |
| | 5224 Latin II Pre-AP | 10-12 | 1 |
| | 5233 Latin III | 11-12 | 1 |
| FINE ARTS | | | |
| * | 5499 AP Art History | 11-12 | 1 |
| | 5449 AP Student Art 3D Design | 11-12 | 1 |
| * | 5501 AP Studio Art 2D Design | 11-12 | 1 |
| * | 5502 AP Studio Art Drawing | 11-12 | 1 |
| | 5511 Art I | 10-12 | 1 |
| * | 5512 Art I Pre-AP | 10-12 | 1 |
| | 5521 Drawing II | 10-12 | 1 |
| | 5531 Drawing III | 11-12 | 1 |
| | 5541 Drawing IV | 12 | 1 |
| | 5526 Jewelry II | 10-12 | 1 |
| | 5527 Jewelry III | 11-12 | 1 |
| | 5523 Sculpture II | 10-12 | 1 |
| | 5533 Sculpture III | 11-12 | 1 |
| | 5543 Sculpture IV | 12 | 1 |
| | 5525 Painting II | 10-12 | 1 |
| | 5535 Painting III | 11-12 | 1 |
| | 5545 Painting IV | 12 | 1 |
| THEATRE ARTS | | | |
| | 5900 Theatre Arts I | 10-12 | 1 |
| + | 5905 Theatre Arts II | 10-12 | 1 |
| + | 5906 Theatre Arts III | 11-12 | 1 |
| + | 5907 Theatre Arts IV | 12 | 1 |
| + | 5910 Theatre Production I | 10-12 | 1 |
| + | 5920 Technical Theatre I | 10-12 | 1 |
| + | 5925 Technical Theatre II | 10-12 | 1 |
| + | 5930 Technical Theatre III | 11-12 | 1 |
| + | 5931 Technical Theatre IV | 12 | 1 |

| BAND | | | |
|-------------------------|--|-------|----|
| + | 5611 Band I | 10 | 1 |
| + | 5621 Band II | 10 | 1 |
| + | 5632 Band III | 11 | 1 |
| + | 5642 Band IV | 12 | 1 |
| + | 5691 Instr. Ensemble I | 10-12 | 1 |
| + | 5692 Instr. Ensemble II | 10-12 | 1 |
| + | 5693 Instr. Ensemble III | 10-12 | 1 |
| + | 5694 Instr. Ensemble IV | 10-12 | 1 |
| + | 5619 Flags I | 10 | 1 |
| + | 5629 Flags II | 10 | 1 |
| + | 5639 Flags III | 11 | 1 |
| + | 5649 Flags IV | 12 | 1 |
| ORCHESTRA | | | |
| + | 5671 Orchestra I (1 st year) | 10 | 1 |
| + | 5672 Orchestra II | 10 | 1 |
| + | 5673 Orchestra III | 11 | 1 |
| + | 5674 Orchestra IV | 12 | 1 |
| + | 5680 AP Music Theory | 11-12 | 1 |
| CHORAL MUSIC | | | |
| + | 5711 Choir I (1 st year) | 10 | 1 |
| + | 5721 Choir II | 10-12 | 1 |
| + | 5731 Choir III | 10-12 | 1 |
| + | 5741 Choir IV | 11-12 | 1 |
| + | 5751 Vocal Ensemble I | 10-12 | 1 |
| + | 5761 Vocal Ensemble II | 10-12 | 1 |
| SPIRIT: PEP/DANCE/CHEER | | | |
| + | 7402 Dance I Pep Squad (1 st year) | 10 | 1 |
| + | 7403 Dance II Pep Squad | 10 | 1 |
| + | 7411 Dance I Drill Team (1 st year) | 10 | 1 |
| + | 7412 Dance II Drill Team | 10-12 | 1 |
| + | 7413 Dance III Drill Team | 11-12 | 1 |
| + | 7416 Dance II Dance Team | 10 | 1 |
| + | 7417 Dance III Dance Team | 11 | 1 |
| + | 7418 Dance IV Dance Team | 12 | 1 |
| + | 7431 Dance II Cheer | 10 | 1 |
| + | 7432 Dance III Cheer | 11 | 1 |
| + | 7433 Dance IV Cheer | 12 | 1 |
| + | 7421 Dance I Non-competitive (NO PE Credit) | 10-12 | 1 |
| + | 7422 Dance II Non-competitive (NO PE Credit) | 10-12 | 1 |
| ORAL COMMUNICATION | | | |
| + | 5809 Professional Communication | 10-12 | .5 |
| + | 5820 Debate I | 10-12 | 1 |
| + | 5825 Debate II | 10-12 | 1 |
| + | 5827 Debate III Honors | 11-12 | 1 |
| + | 5830 Debate IV Local | 12 | 1 |
| + | 5810 Oral Interp. I | 10-12 | 1 |
| + | 5815 Oral Interp. II | 10-12 | 1 |
| + | 5816 Oral Interp. III | 10-12 | 1 |
| HEALTH/P.E. | | | |
| + | 8801 Healthy Lifestyles (7107/7108) | 10-12 | 1 |
| + | 7101 Health | 10-12 | .5 |
| + | 7208 PE (Adventure Outdoor) | 10-12 | .5 |
| + | 7207 PE Foundations (males) | 10-12 | .5 |
| + | 7210 PE Foundations (females) | 10-12 | .5 |
| + | 7211 PE Indiv. Sports (females) | 10-12 | .5 |
| + | 7212 PE Indiv. Sports (males) | 10-12 | .5 |
| + | 7273 Sports Medicine I | 10-12 | .5 |
| + | 7275 Sports Medicine II | 10-12 | 1 |
| ATHLETICS | | | |
| + | 7301 Football I (1 st year) | 10 | 1 |
| + | 7302 Football II | 10 | 1 |
| + | 7303 Football III | 11 | 1 |
| + | 7304 Football IV | 12 | .5 |
| + | 7311 Basketball Boys I (1 st year) | 10 | 1 |
| + | 7312 Basketball Boys II | 10 | 1 |
| + | 7313 Basketball Boys III | 11 | 1 |
| + | 7314 Basketball Boys IV | 12 | 1 |
| + | 7315 Basketball Girls I (1 st year) | 10 | 1 |
| + | 7316 Basketball Girls II | 10 | 1 |
| + | 7317 Basketball Girls III | 11 | 1 |
| + | 7318 Basketball Girls IV | 12 | 1 |
| + | 7310 Softball I (1 st year) | 10 | 1 |
| + | 7319 Softball II | 10 | 1 |
| + | 7320 Softball III | 11 | 1 |
| + | 7321 Softball IV | 12 | 1 |
| + | 7323 Baseball II | 10 | 1 |
| + | 7324 Baseball III | 11 | 1 |
| + | 7325 Baseball IV | 12 | 1 |
| + | 7327 Cross Country I (1 st year) | 10 | 1 |
| + | 7328 Cross Country II | 10 | 1 |
| + | 7329 Cross Country III | 11 | 1 |
| + | 7330 Cross Country IV | 12 | 1 |
| + | 7331 Track Boys I (1 st year) | 10 | 1 |
| + | 7332 Track Boys II | 10 | 1 |
| + | 7333 Track Boys III | 11 | 1 |
| + | 7334 Track Boys IV | 12 | 1 |
| + | 7335 Track Girls I (1 st year) | 10 | 1 |
| + | 7336 Track Girls II | 10 | 1 |
| + | 7337 Track Girls III | 11 | 1 |
| + | 7338 Track Girls IV | 12 | 1 |
| + | 7341 Tennis I (1 st year) | 10 | 1 |
| + | 7342 Tennis II | 10 | 1 |
| + | 7343 Tennis III | 11 | 1 |
| + | 7344 Tennis IV | 12 | 1 |
| + | 7351 Golf I (1 st year) | 10 | 1 |
| + | 7352 Golf II | 10 | 1 |
| + | 7353 Golf III | 11 | 1 |
| + | 7354 Golf IV | 12 | 1 |
| + | 7361 Swimming I (1 st year) | 10 | 1 |
| + | 7362 Swimming II | 10 | 1 |
| + | 7363 Swimming III | 11 | 1 |
| + | 7364 Swimming IV | 12 | 1 |
| + | 7365 Diving I (1 st year) | 10 | 1 |
| + | 7366 Diving II | 10 | 1 |
| + | 7367 Diving III | 11 | 1 |
| + | 7368 Diving IV | 12 | 1 |
| + | 7371 Volleyball I (1 ST year) | 10 | 1 |

| CAREER AND TECHNICAL ED. | | | |
|--|--|-------|----|
| BUSINESS, MARKETING & FINANCE | | | |
| 8290 Prin. of Bus. Mkt & Finance | | 9-12 | 1 |
| 8288 Virtual Business | | 10-12 | .5 |
| 8291 Business Info Mgmt. I | | 9-12 | 1 |
| 8282 Business Info Mgmt. II | | 10-12 | 1 |
| 8301 Accounting I | | 10-12 | 1 |
| 8302 Accounting II | | 11-12 | 1 |
| 8306 Advertising & Sales | | 9-12 | .5 |
| 8014 Fashion Marketing | | 9-12 | .5 |
| 8294 Business Management | | 9-12 | 1 |
| 8298 Business Law | | 11-12 | .5 |
| 8318 Entrepreneurship | | 11-12 | .5 |
| 8317 Marketing Dynamics :Co Op | | 11-12 | 3 |
| 8309 Practicum in Mkg Dynamics | | 12 | 2 |
| ARCHITECTURE | | | |
| 6647 Principles of Arch. & Const. | | 9-12 | 1 |
| 8245 Architectural Design | | 10-12 | 1 |
| 8246 Adv. Arch. Design | | 11-12 | 2 |
| CONSTRUCTION | | | |
| 6647 Prin. Of Arch. & Const. | | 9-12 | 1 |
| 8239 Construction Management | | 10-12 | 1 |
| 8236 Mill & Cabinet Making | | 10-12 | 2 |
| ENGINEERING | | | |
| 8250 Concepts of Engineering | | 10 | 1 |
| 8252 Engineering Design | | 10-12 | 1 |
| 8094 Robotics & Automation | | 10-12 | 1 |
| HEALTH SCIENCE | | | |
| 8340 Principles of Health Science | | 9-12 | 1 |
| 3247 Medical Terminology | | 10-12 | .5 |
| 8344 Health Science | | 10-12 | 1 |
| 8345 Counseling & Mental Health | | 10-12 | 1 |
| 8444L Heath Science Dental T. | | 11-12 | 1 |
| 8346 Practicum in Health Science (Clinical Rotation) | | 11-12 | 2 |
| 3254 Pharmacy Tech | | 12 | 1 |
| 8316 EMT Program | | 12 | 1 |
| HUMAN SERVICES & EDUCATION | | | |
| 6721 Principles of Human Service | | 9-12 | 1 |
| 8025 Dollars & Sense | | 10-12 | .5 |
| 8026 Child Development | | 10-12 | .5 |
| 8345 Counseling & Mental Health | | 10-12 | 1 |
| 8042 Inst. Prac. in Educ. & Trng. | | 11-12 | 1 |
| 8043 Prac. in Education & Trng. | | 11-12 | 2 |
| CULINARY ARTS | | | |
| 8063 Culinary Arts (1 st yr) | | 10-12 | 2 |
| 8021 Prac in Culinary Art (2 nd yr) | | 11-12 | 2 |
| ANIMATION AND VIDEO TECH | | | |
| 6656 Prin. of Arts, AV & Comm. | | 9-12 | 1 |
| 6711 Animation | | 10-12 | 1 |
| 6712 Adv. Animation | | 11-12 | 2 |
| 6731 Audio/Video Production | | 9-12 | 1 |
| 6733 Adv. Audio/Video | | 11-12 | 2 |
| CRIMINAL JUSTICE : Law & Public Safety | | | |
| 8410 Principles of Law | | 9-12 | 1 |
| 8412 Court Systems & Practices | | 10-12 | 1 |
| 8413 Law Enforcement I | | 10-12 | 1 |
| 8418 Law Enforcement II | | 11-12 | 1 |
| COMPUTER SCIENCE | | | |
| 3005 Computer Science Pre-AP | | 9-12 | 1 |
| 3007 AP Computer Science Princ. | | 11-12 | 1 |
| 3010 AP Computer Science A | | 10-12 | 1 |
| 3037 Game Programming Design | | 10-12 | 1 |
| AGRISCIENCE MAGNET PROGRAM (AMP) | | | |
| ALL Courses Require Approval by AMP | | | |
| 8261A Principles of Ag. F & NR | | 10 | 1 |
| 8262A Food Tech & Safety (1 st yr) | | 10-12 | 1 |
| 8263A Wildlife, Fisheries & Eco. Mgmt. | | 10-12 | 1 |
| 8264A Small Animal Mgmt. | | 10-12 | 1 |
| 8265A Livestock Production | | 10-12 | 1 |
| 8266A Equine Science | | 10-12 | .5 |
| 8267A Vet. Medical Applications | | 11-12 | 1 |
| 8268A Food Processing (2 nd yr) | | 11-12 | 1 |
| 8269A Adv. Animal Science | | 11-12 | 1 |
| 8275A Horticultural Science | | 10-12 | 1 |
| 8276A Landscape Design & Turfgrass | | 11-12 | 1 |
| 8277A Adv. Plant & Soil Science | | 11-12 | 1 |
| 8278A Floral Design | | 11-12 | 1 |
| 8279A Prof. Standards in Ag. | | 10-12 | .5 |
| 8280A Agribusiness Mgmt. & Marketing | | 11-12 | 1 |
| 8281A Math Applications in Ag | | 11-12 | 1 |
| 8282A Ag Facilities Des. & Fab. | | 11-12 | 1 |
| 8284A Ag Mechanics & Metal | | 10-12 | 1 |
| 8284A Ag Power Systems | | 11-12 | 2 |
| 8286A Adv. Environmental Tech | | 11-12 | 1 |
| 8287A Prac. In Agriculture | | 11-12 | 2 |
| Do NOT select SPED or AMP course if you are not approved to be in these programs for 16-17. | | | |
| Course descriptions are located at: http://www.neisd.net/curriculum/CurComp/Course%20Catalog/catalog_16_17_post.pdf | | | |
| OFFICE USE ONLY | | | |
| Case Manager Sign Off: | | | |
| X | | | |