

**New Hartford Senior High  
Grade 12 Course Registration Guide for 2024-2025**

Extensive course information and graduation requirements are available in the Academic Information section of the Senior High School Counseling & Guidance webpage at <http://www.newhartfordschools.org/Page/2676>. Remember some "electives" can meet other graduation requirements. Students are expected to **log into the School Tool Portal and make their selections** in the Course Registration section **before 2/25/24**. **After doing so, students will need to conference with their counselor to "lock in" their choices.**

| CRS#   | COURSE NAME                         | CRD                  | FORMAT                           | ADDITIONAL INFORMATION   |
|--|-------------------------------------|----------------------|----------------------------------|--|
| <b>ENGLISH:</b> 4 credits of English and the ELA Regents Exam are required for graduation.   |                                     |                      |                                  |  |
| 075  | English 12                          | 1.0                  | Semestered                       | Required of all students not taking AP English Lit   |
| 100FALL & 100SPR   | AP Eng Literature                   | 0.5 each             | Alternate day all year           | 100FALL & 100SPR must be selected together   |
| <b>SOCIAL STUDIES:</b> Select BOTH an Economics and a Government course to complete the 4th required unit of Social Studies credit.                            |                                     |                      |                                  |  |
| 175  | Economics                           | 0.5                  | Alternate day half year          |  |
| 180  | Government                          | 0.5                  | Alternate day half year          |  |
| 185FALL & 185SPR   | AP Macro Economics                  | 0.5 each             | Alternate day all year           | 185FALL & 185SPR must be selected together   |
| 189FALL & 189SPR   | AP US Govt & Politics               | 0.5 each             | Alternate day all year           | 189FALL & 189SPR must be selected together   |
| <b>MATH:</b> 3 credits & the Algebra 1 Regents Exam is required for graduation. Geometry & Algebra 2 Regents Exams are required for Advanced Designation.      |                                     |                      |                                  |  |
| 345  | Algebra 1                           | 1.0                  | Semestered                       |  |
| 346  | Financial Algebra                   | 1.0                  | Semestered                       | Prerequisite is passing Algebra 1 and the Regents Exam   |
| 347  | Geometry Prep                       | 1.0                  | Semestered                       | Prerequisite is passing Algebra 1 and the Regents Exam   |
| 348  | Geometry                            | 1.0                  | Semestered                       | Prerequisite is passing Algebra 1 and 80+ on the Regents Exam  |
| 350  | Alg 2 & Trig Topics (MA115)         | 1.0                  | Semestered                       | Prerequisite is passing Geometry Prep; Dual credit course with MVCC  |
| 352  | Elementary Stat (MA110)             | 1.0                  | Semestered                       | Prerequisite is passing Geometry Prep or Financial Algebra; Dual credit course with MVCC   |
| 356  | Algebra 2                           | 1.0                  | Semestered                       | Prerequisite is passing Geometry and 80+ on the Regents Exam   |
| 365  | Pre-Calculus (MA150)                | 1.0                  | Semestered                       | Prerequisite is passing Algebra 2 and pass the Regents Exam; Recommended 80+ on Regents Exam; Dual credit course with MVCC                       |
| 373FALL & 373SPR   | AP Computer Science A               | 0.5 each             | Alternate day all year           | 373FALL & 373SPR must be selected together; Prerequisite is passing Alg 2 and passing the Regents Exam   |
| 374FALL & 374SPR   | AP Statistics                       | 0.5 each             | Alternate day all year           | 374FALL & 374SPR must be selected together; Prerequisite is passing Alg 2 and passing the Regents Exam   |
| 376FALL & 376SPR   | AP Calc AB                          | 0.5 each             | Alternate day all year           | 376FALL & 376SPR must be selected together; Prerequisite Pre-Calculus  |
| 377FALL & 377SPR   | AP Calc BC                          | 0.5 each             | Alternate day all year           | 377FALL & 377SPR must be selected together; Prerequisite AP Calc AB & a 3 on the AP AB Exam  |
| <b>SCIENCE:</b> 3 credits & 1 Regents Exam are required for graduation. One additional Regents Exam is required for Advanced Designation.                      |                                     |                      |                                  |  |
| 270 & 271  | Chemistry                           | 1.0                  | Semestered plus 1 block          | 270 & 271 must be selected together; Prerequisite is Living Environment and Geometry completed or concurrent                                     |
| 284 & 286  | Physics                             | 1.0                  | Semestered plus 1 block          | 284 & 286 must be selected together; Prerequisite is Living Environment and Geometry completed or concurrent                                     |
| 290FALL & 290SPR   | Ecology                             | 0.5 each             | Alternate day all year           | 290FALL & 290SPR must be selected together; Prerequisite is Living Environment   |
| 268SM1   | Forensics fall                      | 0.5                  | Alternate day half year          | Students may select one or both of these courses. It also does not matter in what order these courses are completed.                             |
| 268SM2   | Forensics spr                       | 0.5                  | Alternate day half year          |  |
| 269  | BioTech                             | 1.0                  | Semestered                       | Living Environment; DDP is highly recommended  |
| 292SM1   | Anat & Physio fall                  | 0.5                  | Alternate day half year          | Students may select one or both of these courses in any order. Prerequisite is Living Environment.   |
| 292SM2   | Anat & Physio spr                   | 0.5                  | Alternate day half year          |  |
| 293FALL & 293SPR   | AP Environmental Science            | 0.5 each             | 3 blocks fall; 2 blocks spring   | 293FALL & 293SPR must be selected together; Prerequisite is Living Environment & Chemistry or Physics Concurrently                               |
| 294FALL & 294SPR   | AP Biology                          | 0.5 each             | 3 blocks fall; 2 blocks spring   | 294FALL & 294SPR must be selected together; Prerequisite is Living Environment & Chemistry   |
| 296FALL & 296SPR   | AP Chemistry                        | 1.0 fall<br>0.5 Spri | Semestered fall; 3 blocks spring | 296FALL & 296SPR must be selected together; Prerequisite is Living Environment & 85+ Geometry Regents Exam & Pre(Co)requisite is Algebra 2       |
| 298FALL & 298SPR   | AP Physics 1                        | 0.5 each             | 3 blocks fall; 2 blocks spr      | 298FALL & 298SPR must be selected together; Pre(Co)requisite is Algebra 2  |
| 299FALL & 299SPR   | AP Physics 2                        | 0.5 each             | 3 blocks fall; 2 blocks spr      | 299FALL & 299SPR must be selected together; Prerequisite is AP Physics 1 OR 90+ on the Physics Regents Exam & successful completion of Algebra 2 |
| <b>WORLD LANGUAGE:</b> 1 credit of World Language is required for graduation. 3 credits & the Regents/Checkpoint B Exam are required for Advanced Designation. |                                     |                      |                                  |  |
| 415  | French 3                            | 1.0                  | Semestered                       | Prerequisite is French 2   |
| 417  | French 4                            | 1.0                  | Semestered                       | Prerequisite is French 3 & passing the final exam  |
| 419DC1 & 419DC2  | AP French Lng & Culture (FR201&202) | 0.5 each             | Alternate day all year           | 419DC1 & 419DC2 must be selected together; Prerequisite is French 4; Dual credit with MVCC   |
| 435  | Latin 3                             | 1.0                  | Semestered                       | Prerequisite is Latin 2  |
| 437  | Latin 4                             | 1.0                  | Semestered                       | Prerequisite is Latin 3 & passing the final exam   |
| 439  | Latin 5                             | 1.0                  | Semestered                       | Prerequisite is Latin 4  |
| 451  | Spanish 1                           | 1.0                  | Semestered                       |  |
| 453  | Spanish 2                           | 1.0                  | Semestered                       | Prerequisite is Spanish 1  |
| 455  | Spanish 3                           | 1.0                  | Semestered                       | Prerequisite is Spanish 2  |
| 457  | Spanish 4                           | 1.0                  | Semestered                       | Prerequisite is Spanish 3 & passing the final exam   |
| 459DC1 & 459DC2  | AP Spanish Lng (SP201&202)          | 0.5 each             | Alternate day all year           | 459DC1 & 459DC2 must be selected together; Prerequisite is Spanish 4; Dual credit with MVCC  |
| 470  | Mandarin 1 (FL111&112)              | 1.0                  | Semestered                       | Prerequisite is concurrently enrolled in level 3 of another language; Dual credit with MVCC  |
| 472DC  | Mandarin 2 (FL211&212)              | 1.0                  | Semestered                       | Prerequisite is Mandarin 1; Dual credit with MVCC  |
| <b>FINE ARTS:</b> All students are required to complete one credit in Art and/or Music.  |                                     |                      |                                  |  |
| 749  | Digital Photography                 | 0.5                  | Alternate day half year          |  |
| 750N   | Studio Art                          | 0.5                  | Alternate day half year          |  |
| 753  | Digital Media Arts                  | 0.5                  | Alternate day half year          |  |
| 760  | Drawing                             | 0.5                  | Alternate day half year          | Prerequisite is Studio Art   |
| 761N   | Advanced Drawing (FA101)            | 0.5                  | Alternate day half year          | Previously called General Drawing. Prerequisite is Studio Art; Grades 11 & 12 only; Dual credit with MVCC  |
| 762  | Painting                            | 0.5                  | Alternate day half year          | Prerequisite is Studio Art   |
| 780  | Ceramics 1                          | 0.5                  | Alternate day half year          |  |
| 782  | Ceramics 2                          | 0.5                  | Alternate day half year          | Prerequisite is Ceramics 1   |
| 784  | Ceramics 3                          | 0.5                  | Alternate day half year          | Prerequisite is Ceramics 2   |
| 795SM1   | Advanced Art – Drawing/Painting     | 0.5                  | Alternate day Fall               | Prerequisite: Studio Art   |
| 795SM2   | Advanced Art – Drawing/Painting     | 0.5                  | Alternate day Spring             | Prerequisite: Studio Art   |

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|---|-------------------------------------|-----------|-------------------------|---|
| 796SM1  | Advanced Art – Photo                | 0.5       | Alternate day Fall      | Prerequisite: Digital Photo   |
| 796SM2  | Advanced Art – Photo                | 0.5       | Alternate day Spring    | Prerequisite: Digital Photo   |
| 797FALL & 797SPR  | AP Studio Art                       | 0.5 each  | Alternate day all year  | 797FALL & 797SPR must be selected together; Prerequisite is Advanced Art D & P <b>OR</b> 2 from: Drawing, Painting or Adv. Drawing  |
| 849   | Theater                             | 0.5       | Alternate day half year | This course can be taken more than once for credit  |
| 860   | Music Theory                        | 0.5       | Alternate day half year | Prerequisite: Students must be or have been a member of a high school performing group or must be able to demonstrate adequate ability to play a musical instrument/sing.                       |
| 850FALL & 850SPR  | Choir                               | 0.5 each  | Alternate day all year  | 850FALL & 850SPR must be selected together  |
| 855FALL & 855SPR  | Symphonic Band                      | 0.5 each  | Alternate day all year  | 855FALL & 855SPR must be selected together  |
| 858FALL & 858SPR  | Orchestra                           | 0.5 each  | Alternate day all year  | 858FALL & 858SPR must be selected together  |
| <b>ADDITIONAL GRADUATION REQUIREMENTS:</b> All students must complete Health and Computer Applications. In addition, Physical Education is required EACH year of high school. |                                     |           |                         |   |
| 510   | Computer Apps                       | 0.5       | Alternate day half year | Students who are successful on Comp Apps Competency Exam do not need to take the course.  |
| 935   | Health                              | 0.5       | Alternate day half year |   |
| 950FALL   | Phys Ed                             | 0.25      | 1 block per cycle       | All students must have Phys Ed in both semesters. These courses will already be listed in ST Course Registration for you.   |
| 950SPR  | Phys Ed                             | 0.25      | 1 block per cycle       |   |
| <b>ELECTIVES FOR GRADE 12</b>   |                                     |           |                         |   |
| 079   | Journalism                          | 0.5       | Alternate day half year | This course can be taken more than once for credit  |
| 082   | Speech & Debate                     | 0.5       | Alternate day half year |   |
| 191   | Humanitarian Law & War Crimes       | 0.5       | Alternate day half year |   |
| 195   | Psychology                          | 0.5       | Alternate day half year |   |
| 196FALL & 196SPR  | AP Psychology                       | .5 each   | Alternate day all year  | 196FALL & 196SPR must be selected together  |
| 520   | <b>Career Exploration</b>           | 1.0       | Semestered              |   |
| 525   | Accounting (AC110)                  | 1.0       | Semestered              | Dual credit course with MVCC; <b>This course can be used to fulfill the third credit Math requirement.</b>  |
| 536   | Intro. To Business (BM100)          | 1.0       | Semestered              | Dual credit course with MVCC  |
| 540   | Personal Finance (BM108)            | 1.0       | Semestered              | Dual credit course with MVCC; <b>This course fulfills the Economics requirement.</b>  |
| 515   | Emerging Technology                 | 0.5       | Alternate day half year |   |
| 550   | Production Systems                  | 0.5       | Alternate day half year | <b>This course can be used to fulfill the third credit of Math or Science requirement.</b>  |
| 590   | PLTW DDP                            | 1         | Semestered or Alt Day   | This course can be used to fulfill the <b>Fine Arts or the third credit of Math or Science requirement.</b>   |
| 591FALL & 591SPR  | AP PLTW Computer Science Principles | .5 each   | Alternate day all year  | 591FALL & 591SPR must be selected together; Prerequisite is Algebra 1 & Regents Exam, <b>This course can be used to fulfill the third credit of Math or Science requirement.</b>                |
| 592   | PLTW Digital Electronics            | 1.0       | Semestered or Alt Day   | Recommended for students in grades 11 and 12. <b>This course can be used to fulfill the third credit of Math or Science requirement.</b>  |
| 593   | PLTW CIMS                           | 1.0       | Semestered or Alt Day   | DDP is highly recommended, <b>This course can be used to fulfill the third credit of Math or Science requirement.</b>   |
| 596   | PLTW Prin of Engineering            | 1.0       | Semestered              | DDP required; Digital Electronics and CIM Recommended; Physics suggested previously or concurrently; <b>This course can be used to fulfill the third credit of Math or Science requirement.</b> |
| 599   | PLTW Engineering Design             | 1.0       | Semestered or Alt Day   | DDP required; Recommended for students in grade 12  |
| <b>VOCATIONAL EDUCATION AND NEW VISIONS AT BOCES:</b> A total of 4 credits are assigned to BOCES classes, which includes academic components as listed below                  |                                     |           |                         |   |
| NV1FALL & NV1SPR  | NV Business Mgmt                    | 4.0 total | Blocks 1 & 2 all year   | Also select NVENGF, NVENG, NVSOFC and NVSOCS (.5 each)  |
| NV2FALL & NV2SPR  | NV Communications                   | 4.0 total | Blocks 1 & 2 all year   | Also select NVENGF, NVENG, NVSOFC and NVSOCS (.5 each)  |
| NV3FALL & NV3SPR  | NV Education                        | 4.0 total | Blocks 1 & 2 all year   | Also select NVENGF, NVENG, NVSOFC and NVSOCS (.5 each)  |
| NV4FALL & NV4SPR  | NV Engineering                      | 4.0 total | Blocks 1 & 2 all year   | Also select NVENGF, NVENG, NVSOFC and NVSOCS (.5 each)  |
| NV5FALL & NV5SPR  | NV Health Professions               | 4.0 total | Blocks 1 & 2 all year   | Also select NVENGF, NVENG, NVSOFC and NVSOCS (.5 each)  |
| NV6FALL & NV6SPR  | NV Legal Professions                | 4.0 total | Blocks 1 & 2 all year   | Also select NVENGF, NVENG, NVSOFC and NVSOCS (.5 each)  |
| NV8FALL & NV8SPR  | NV Veterinary Sci                   | 4.0 total | Blocks 1 & 2 all year   | Also select NVENGF, NVENG, NVSOFC and NVSOCS (.5 each)  |
| OCC6-F & OCC6-S   | Adver Desgn/Multimedia 2            | 4.0 total | Blocks 1 & 2 all year   | Also select OCC0ENG2*, OCC0MTH2* and OCC0SCI2* (.5 each)  |
| OCC93-F & OCC93-S   | Animal Science                      | 4.0 total | Blocks 1 & 2 all year   | Also select OCC9ENG and OCC9SCI (1.0 each)  |
| OCC068F & OCC068S   | Nursing Assistant                   | 4.0 total | Blocks 3 & 4 all year   | Also select OCC9ENG and OCC9SCI (1.0 each)  |
| OCC022F* & OCC022S*   | Auto Body Repair 2                  | 4.0 total | Blocks 1 & 2 all year   | Also select OCC0ENG2*, OCC0MTH2* and OCC0SCI2* (.5 each)  |
| OCC026F* & OCC026S*   | Automotive Technology 2             | 4.0 total | Blocks 1 & 2 all year   | Also select OCC0ENG2*, OCC0MTH2* and OCC0SCI2* (.5 each)  |
| OCC036F* & OCC036S*   | Conservation 2                      | 4.0 total | Blocks 1 & 2 all year   | Also select OCC0ENG2*, OCC0MTH2* and OCC0SCI2* (.5 each)  |
| OCC042F* & OCC042S*   | Construction Trades 2               | 4.0 total | Blocks 1 & 2 all year   | Also select OCC0ENG2*, OCC0MTH2* and OCC0SCI2* (.5 each)  |
| OCC046F* & OCC046S*   | Cosmetology 2                       | 4.0 total | Blocks 1 & 2 all year   | Also select OCC0ENG2*, OCC0MTH2* and OCC0SCI2* (.5 each)  |
| OCC052F* & OCC052S*   | Criminal Justice 2                  | 4.0 total | Blocks 1 & 2 all year   | Also select OCC0ENG2*, OCC0MTH2* and OCC0SCI2* (.5 each)  |
| OCC056F* & OCC056S*   | Culinary Arts 2                     | 4.0 total | Blocks 1 & 2 all year   | Also select OCC0ENG2*, OCC0MTH2* and OCC0SCI2* (.5 each)  |
| OCC062F* & OCC062S*   | Early Childhood Educ 2              | 4.0 total | Blocks 1 & 2 all year   | Also select OCC0ENG2*, OCC0MTH2* and OCC0SCI2* (.5 each)  |
| OCC066F* & OCC066S*   | Electricity 2                       | 4.0 total | Blocks 1 & 2 all year   | Also select OCC0ENG2*, OCC0MTH2* and OCC0SCI2* (.5 each)  |
| OCC032F* & OCC032S*   | Emerg Tech & Cyber Sec 2            | 4.0 total | Blocks 1 & 2 all year   | Also select OCC0ENG2*, OCC0MTH2* and OCC0SCI2* (.5 each)  |
| OCC072F* & OCC072S*   | Outdoor Power Equipt 2              | 4.0 total | Blocks 1 & 2 all year   | Also select OCC0ENG2*, OCC0MTH2* and OCC0SCI2* (.5 each)  |
| OCC076F* & OCC076S*   | Welding 2                           | 4.0 total | Blocks 1 & 2 all year   | Also select OCC0ENG2*, OCC0MTH2* and OCC0SCI2* (.5 each)  |
| <b>SUPPORT SERVICES</b>   |                                     |           |                         |   |
| AIS12F & AIS12S   | Learning Center                     | 0         | Alternate day all year  | AIS assigned based upon previous performance in required courses  |
| RES12F & RES12S   | Resource Room Support               | 0         | Alternate day all year  | CSE determines Resource Room placement  |

Students who elect to enroll in Advanced Placement courses are required to take the accompanying AP exam/portfolio submission in May. The cost of each exam is currently \$98. Students are expected to pay for up to two exams each year. Any additional AP exams (in which course you are enrolled) will be paid for by the school district. If you drop after a certain point you will not receive a refund and may incur a drop fee.

There are bridging opportunities at Hamilton College, MVCC, and Utica College. If you are interested please talk with your counselor ASAP. More information about these opportunities can be found on the Counseling & Guidance website under Academic Information – College Bridging Opportunities.