

Renaissance Magnet High School Professional-Technical Center

2 Blocks, Year-Long, 4 Credit Classes

- **Digital Home Technology Integration (DHTI+)** - learn “Smart Home” technologies e.g. home security, wiring, entertainment systems, heating/air systems, computer networking, integration of systems. Completion of this program prepares students for the CompTIA DHTI+ Certification. This is the first high school program of this type in the nation.

Course Sequence:

10th grade - DHTI I

11th grade - DHTI II

12th grade - DHTI Internship

- **Residential Construction** – build a storage shed and learn blueprint reading proper use of hand and power tools. Second and third year students will construct a Habitat for Humanity home.

Course Sequence:

10th grade - Residential Construction I

11th grade - Residential Construction II

Summer – Residential Construction Internship

12th grade - Residential Construction III &/or

12th grade -Construction Management

- **Masonry** – learn masonry skills and in second and third year courses install stone/brick on a Habitat for Humanity Home. This is the first high school program in the state of Idaho.

Course Sequence:

10th grade - Masonry I

11th grade - Masonry II

Summer – Masonry Internship

12th grade - Masonry III

- **Advanced Culinary Arts** - prepares students for the American Culinary Federation Foundation Certified Culinarian (CC) and Certified Pastry Culinary (CPC) exams. Students will be responsible for the operation of a café located at the District Service Center. Students also earn a ServSafe certification.

10th grade – Foods and Nutrition (at home high school)

11th grade – Into to Culinary Arts (at home high school)

12th grade – Advanced Culinary Arts

- **Architectural Drafting** – design and create virtual and physical structure models using AutoCAD, parametric 3D and architectural 3D modeling software.

Course Sequence:

9th grade - Intro to Engineering (at home high school)

10th grade - Residential Construction (recommended, not required)

11th grade - Architectural Drafting II

12th grade - Civil Engineering & Architecture

NOTE: To take the following two classes below, you must be enrolled in one of the programs listed above.

- **Professional-Technical Math (2 credits, 1 Block, Year-Long Class)** - this class answers the question “Why do I need to know this?” Seven steps are used to teach this practical math class which combines theory with application. Studies show the teaching methods used in this math course increase technical college entrance scores on the ACT COMPASS test. Prerequisite is Algebra I.
- **Professional-Technical English 10 (2 credits, 1 Block, Year-Long Class)** – this class addresses academic requirements for English 10 through the lens of professional-technical study. Students will learn communication skills needed for successful workplace communication including writing and reading instructions and manuals, memos and letters, analyses, reports and other workplace documents, as well as building oral communication skills for a variety of audiences