**7105 Principles of Agriculture, Food & Natural Resources**

**Credit: 1**

**Prerequisite: None**

Agriculture is not just “cows, sows and plows”. Discover how plant and animal sciences are a vital part of our lives. Research which laws, regulations, and policies are in place to bring food safely from the field to your table. Learn leadership, record-keeping skills and have the opportunity to raise an animal as a FFA member.

**7150C Agriculture Mechanics & Metal Technologies**

**Credit: 1**

**Prerequisite: Principles of Agriculture**

Looking for hands-on, innovative, and new ways to learn about welding? Then this is the class for you! In this class you will be introduced to various skills in metal fabrication including oxyacetylene, plasma arc cutting, arc, MIG, and TIG welding applications. Instructor will provide industry standard training. This course can earn college credit based on Articulation agreements, which are subject to change.

**7160C Agriculture Structures Design & Fabrication**

**Credit: 1**

**Prerequisite: 2 credits in Agriculture Cluster**

Fine tune your welding skills while preparing for an industry certification that will make you employable in the real world. Instructor will provide industry standard training, and students will work towards AWS certification. This course can earn college credit based on Articulation agreements, which are subject to change.

**7181C Welding I**

**Credit: 2**

**Prerequisite: See LCISD Course Stream flow charts for prerequisites and course sequencing.**

Here’s your next step in the welding pathway. This course is designed to continue to advance your welding skills. Instructor will provide industry standard training, and students will work toward NCCER and/or AWS certification. This course can earn college credit based on Articulation agreements, which are subject to change.

**7183CW Welding II**

**Credit: 2**

**Prerequisite: Welding I**

Rapid advances in welding technology and industry demands for skilled employees have created a high need for this career pathway. Learn the technical skills and academic integration to become a successful worker in this industry. Instructor will provide industry standard training, and students will work toward NCCER and/or AWS certification. This course can earn college credit based on Articulation agreements, which are subject to change.

**Welding I – Dual 7181AD (Fall) 7181CD (Fall) 7181BD (Spring)**

**Credit: 2**

**Prerequisite: Agriculture /mechanics & Metal Technologies See College for requirements.**

**Course offered in conjunction** with TSTC, see above for course description. This course is taken as part of TSTC dual credit pathway for Welding Technology. Successful completion will result in TSTC credit. Course will take place at the TSTC campus. Transportation provided. Student must complete TSTC orientation process.

**Welding II – Dual 7183AD (Fall) 7183BD (Spring) 7183DD (Spring)**

**Credit: 2**

**Prerequisite: Welding I (Dual) See College for requirements.**

Course offered in conjunction with TSTC, see above for course description. This course is taken as part of TSTC dual credit pathway for Welding Technology. Successful completion will result in TSTC credit. Course will take place at the TSTC campus. Transportation provided. Student must complete TSTC orientation process.

**7140C Agribusiness Management & Marketing**

**Credit: 1**

**Prerequisite: Agriculture Mechanics and Metal Technologies or Small Animal Management and Equine Science**

Selling, analyzing costs and knowing business laws are all a part of being successful in any agriculture business. Learn how to manage your agribusiness while doing activities in areas such as supply and demand, budgeting, record keeping, finance, risk management, business law, as well as how to market your business. This course can earn college credit based on Articulation agreements, which are subject to change.