Diagnostics Services is a program of study within the **Health Science Career Cluster.** A Career Cluster is a grouping of occupations and broad industries based on commonalities. There are 16 Career Clusters.

Career clusters link what students learn in school with the knowledge and skills they need for success in college and careers. The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

There are five programs of study in the Health Science Career Cluster:

- Biotechnology Research and Development
- Diagnostic Services
- Health Informatics
- Support Services
- Therapeutic Services

Employment Outlook

The job outlook for careers in **Medical Imaging** is good. Nationally, the number of jobs for radiologic technologists is expected to grow faster than average through the year 2016. As the population ages, demand for diagnostic imaging and therapeutic technology will increase. While hospitals will continue to create job opportunities, employment will grow most rapidly in medical offices, clinics, and diagnostic imaging centers. This will occur as part of a trend to lower health care costs by doing procedures outside the hospital setting. The salary range for radiological technicians is $35,100 to $74,970 (Occupational Outlook Handbook, 2008-2009).

Using this brochure

Inside you will find a suggested **program of study** that has lots of helpful information. The model is an example of the types of courses and extended learning experiences that are important for the **Diagnostic Services Program of Study**. Use this model to plan your course schedule, educational experiences, and career choices.

At the top of the model, you will find **career goals** with the corresponding **O*NET code**. The O*NET code is an official classification of jobs and can be used to locate career-related information. Your teacher, counselor, or media center should be able to help you locate further information.

The upper left side of the model highlights the **core courses and career-related electives** in high school that will help prepare you for your career goal. This model is based upon the Recommended High School Program graduation plan and can easily be adapted for the Distinguished Achievement High School Program graduation plan.

The upper right side of the model highlights examples of **extended learning experiences** that can enhance your knowledge and skills for your career goal. You will find examples of curricular activities, such as participation in Career and Technical Student Organizations like HOSA, career learning experiences, service learning activities, and extracurricular activities.

The lower left side of the model indicates **industry licensures/certifications** and **on-the-job training experiences** that may be available to complete while still in high school. This section also highlights the various levels of **postsecondary education** and examples of **career options** available to you once you have completed that level of education and training.

The lower right side of the model contains examples of **professional associations** available for health science professionals. Many of these organizations allow preprofessional membership while enrolled in a postsecondary program. Most organizations have websites which can be easily located by entering the organization name in available search engines.

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Thinking about a career in Medical Imaging?

http://www.achievetexas.org

This program of study may be for you! Radiologic technologists provide information to diagnose medical problems. They create images of the inside of the body and analyze the images. The images help doctors identify and treat medical problems. Look inside to see the coursework and learning opportunities that will prepare you for an exciting and rewarding career.