



JORDAN APPLIED TECHNOLOGY CENTERS
Skills for Today and Tomorrow

COURSES

For High School Students

2007-2008

Welcome,

On behalf of Jordan School District and the Board of Education, I would like to encourage you and your student to consider the many and varied opportunities provided for students at our Jordan Applied Technology Centers. We feel that the educational training available at these centers is unique and innovative.

No other district along the Wasatch Front provides the state-of-the-art, advanced training programs to their students as are offered at the Jordan Applied Technology Centers. Jordan District has a well-earned reputation of providing high quality programs staffed by skilled educators, who are supported with excellent equipment and training.

We would like to encourage students to take advantage of the opportunities available to them in Applied Technology Training.

Sincerely,

A handwritten signature in black ink, reading "Barry L. Newbold". The signature is written in a cursive style with a long horizontal flourish extending to the right.

Barry L. Newbold, Ed.D.
Superintendent
Jordan School District

Board of Education

Peggy Jo Kennett, Precinct 1
Ellen S. Wallace, Precinct 2
Kim Murphy Horiuchi, Precinct 3
Sherril H. Taylor, Precinct 4
J. Dale Christensen, Ed.D., Precinct 5
Tracy Scott Cowdell, Precinct 6
Randy S. Brinkerhoff, Precinct 7

District Administration

Barry L. Newbold, Ed.D., Superintendent of Schools
D. Burke Jolley, Deputy Superintendent for Business Services
Sherry Wasden, Deputy Superintendent for Instructional Services

Executive Directors

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Kerrie Naylor, Ph.D., Executive Director of Bingham K-12 Feeder System
R. Thomas Hicks, Executive Director of Brighton K-12 Feeder System
Frank Shaw, Ph.D., Executive Director of Copper Hills K-12 Feeder System
June LeMaster, Ph.D., Executive Director of Hillcrest K-12 Feeder System
Theresa Gotay, Executive Director of Jordan K-12 Feeder System
David Stoddard, Executive Director of Riverton K-12 Feeder System
Bevan Wasden, Executive Director of West Jordan K-12 Feeder System
John Taylor, Executive Director of Auxiliary Services
J. Calvin Evans, Executive Director of Compliance and Special Programs
Dana Bickmore, Executive Director of Curriculum and Staff Development
Moya Kessig, Executive Director of Human Resources

Career and Technical Education

9301 South Wights Fort Road (3400 West)
West Jordan, Utah 84088
Scott Olsen, Director
256-5953

Jordan Applied Technology Centers

Sandy Campus

825 East 9085 South
Sandy, Utah 84094
Ronald L. Sing, Ed.D., Principal
256-5700

West Jordan Campus

9301 South Wights Fort Road (3400 West)
(Salt Lake Community College Campus)
West Jordan, Utah 84088
Todd Quarnberg, Principal
256-5900

Jordan School District does not discriminate on the basis of race, color, national origin, gender or disability, in its programs and activities. The district Compliance Officer handles inquiries regarding non-discrimination policies. Complaints can be made to school administrators or counselors or to the District Compliance officer at 567-8363.

Table of Contents

| | |
|--|----|
| CTE Coordinators | 3 |
| Other Contacts | 3 |
| Registration Procedures | 3 |
| Student Services | |
| Vocational Assessment | 4 |
| Job Placement | 5 |
| Business Management Training | 6 |
| Academy of Information Technology (<i>Sandy Campus</i>) | 7 |
| Interactive Media | 8 |
| Network Systems | 8 |
| Programming/Software Development | 8 |
| Support Systems/Web Design. | 8 |
| Agriculture Science | |
| Floral Design and Greenhouse Management (<i>Sandy Campus</i>) | 10 |
| Nursery and Landscaping (<i>Sandy Campus</i>) | 11 |
| Veterinary Assistant/Technician (<i>West Jordan Campus</i>) | 12 |
| Companion Animal Care and Management (<i>Sandy Campus</i>) | 13 |
| Health Science and Technology | |
| Biotechnology (<i>West Jordan Campus</i>) | 14 |
| Advanced Biotechnology (<i>West Jordan Campus</i>) | 15 |
| Dental Assistant (<i>West Jordan Campus</i>) | 16 |
| Nurse Assistant (CNA)(<i>Sandy and West Jordan Campus</i>) | 17 |
| Emergency Medical Technician/EMT (<i>Sandy Campus</i>) | 18 |
| Medical Assistant (<i>West Jordan Campus</i>) | 19 |
| Pharmacy Technician (<i>West Jordan Campus</i>) | 20 |
| Physical Therapy/ Rehabilitation (<i>West Jordan Campus</i>) | 21 |
| Surgical Technician (<i>West Jordan Campus</i>) | 22 |
| Protective Services | |
| Fire Science (<i>Sandy Campus</i>) | 23 |
| Criminal Justice (<i>Sandy Campus</i>) | 24 |
| Construction Trades | |
| Electrical Installation (<i>Sandy Campus</i>) | 25 |
| On-Site Building Construction (<i>Sandy Campus</i>) | 26 |
| Construction Trades Foundation (<i>Sandy Campus</i>) | 27 |
| Technology and Industrial Trades | |
| Automotive Collision Repair Technician (<i>Sandy Campus</i>) | 28 |
| Heavy Duty Mechanics/Diesel (<i>Sandy Campus</i>) | 29 |
| Welding Technician (<i>Sandy Campus</i>) | 30 |
| Technology and Engineering | |
| Engineering Technology I (<i>West Jordan Campus</i>) | 31 |
| Engineering Technology II (<i>West Jordan Campus</i>) | 32 |
| Transportation | |
| Commercial Aircraft Pilot (<i>West Jordan Campus</i>) | 33 |
| Personal Services | |
| Cosmetology/Barbering (<i>Sandy Campus</i>) | 34 |

CTE COORDINATORS

| | | |
|---------------------------------|---------------------------|-----------|
| Alta High School | .Robyn Sleight | 256-5021 |
| Bingham High School | Jason Skidmore | 256-5125 |
| Brighton High School. | Carolyn Chipman | 256-5225 |
| Copper Hills High School . . . | .Mark Sandberg | 256-5329 |
| Hillcrest High School | Tracy Moore | 256-5425 |
| Jordan High School | .Brent Boswell | 256-5528 |
| Riverton High School | .Craig Cottle | 256-5825 |
| West Jordan High School . . . | .Shawnee Mouna | .256-5653 |
| Valley High School | .Valorie Brandt | .572-7035 |

OTHER CONTACTS

| | | |
|-----------------------------------|---------------------------|--------------|
| Granite School District | Sandra Hemmert | 646-4340 |
| Murray School District | .Rob Courand | .264-7460 |
| Salt Lake School District | Jan Hedberg | .481-4949 |
| Tooele School District | .Mary Ann Oborn | 435-833-1966 |
| Other, District of Attendance . . | CTE Coordinator | |

REGISTRATION PROCEDURES

STEP 1: Read this course catalog to help you select a class you want. You will also need to select an alternate class.

STEP 2: These classes are held every day and require a block of two class periods from your schedule. Make sure you are able to give the time commitment by evaluating your current graduation status with your CTE Coordinator and/or counselor at school. Only juniors and seniors may register for these classes. If there are any reasonable accommodations that can be made for you, please have your coordinator and/or counselor identify these needs and attach the information to the application. **To be enrolled at the JATC, you must also be registered at your home high school.**

STEP 3: Get an application from the CTE Coordinator of your school listed on this page. Fill it out completely, including the required signatures.

STEP 4: Return your completed application to the CTE Coordinator. Selected students will receive notification from the Jordan Applied Technology Center.

STEP 5: Your school will register you for classes. A class schedule should be ready for you on the designated day determined by your school.

STEP 6: If you did not get the class you wanted, see your CTE Coordinator. You may not have met the required class selection standards or there may have been scheduling conflicts. Your CTE Coordinator will help you with an alternate selection.

STUDENT SERVICES

VOCATIONAL ASSESSMENT

COORDINATOR: Grant Atkinson Phone: 256-5713

ASSISTANTS: Candy McOmber Phone: 256-5712
Paula Seaich

ASSESSMENT HOURS: The center is opened to serve the needs of students daily from 7:10 a.m. to 3:05 p.m. Students who wish to participate in the assessment process are asked to sign up in advance for scheduling purposes.

FEES: N/A

LOCATION: Sandy Campus
825 East 9085 South
Sandy, Utah 84094

REQUIREMENTS: A CTE Coordinator, school counselor, teacher and/or parent/guardian must refer students wishing to participate in vocational testing at JATC. Referral forms are available through the Assessment Center at JATC. The student's current reading level must be provided on the referral form to ensure an appropriate selection of tests for each student based on their level of achievement in this area. Any other relevant testing information that can be provided on a "need to know" basis is also considered helpful. The referral form must be signed by a parent/guardian and turned into the Assessment Center prior to the testing process. For testing, a FERPA letter must also be signed by a parent/guardian and turned into the Assessment Center prior to the testing taking place.

BENEFITS: The testing process benefits those students who are interested in obtaining objective information about themselves, as well as information regarding the world of work. During this process, students can obtain information in some of the following areas: aptitudes, interests, work values, self-esteem, judgment/comprehension, mechanical comprehension, math/reading levels and resumes.

Vocational evaluation helps students to know themselves better in terms of their marketable skills, as well as learn about the necessary skills they should acquire in order to attain their career goals. Students will gain a better understanding of the Utah labor market and the national job outlook, salary ranges, etc. They will also have access to post-secondary training information and financial aid information. As a result of participating in the vocational testing process, more options are opened up to students as they make the connection between their education, career goals, and the world of work.

JOB PLACEMENT

COORDINATORS: Sharon Squires Phone: Sandy Campus 256-5758
KayeLnn Wootton Phone: West Jordan Campus 256-5905

The Jordan Applied Technology Centers offer information and assistance to students as they seek employment in the areas for which they have been trained. Appointments are available between 7:10 a.m. and 3:05 p.m. Students are encouraged to call and set up an appointment.

Students will be able to access information such as the employment outlook, apprenticeship training, labor market trends, and training needs for specific careers. Students will also receive training in skills such as job interviewing, resume writing, appropriate business dress, using business etiquette, appropriate work place communication, writing cover letters, and thank you notes.

Students can also receive information to assist them in a job search, using resources such as the Internet, Department of Workforce Services, staff referrals, and Chambers of Commerce.



JORDAN APPLIED TECHNOLOGY CENTERS
Skills for Today and Tomorrow

BUSINESS MANAGEMENT TRAINING

INSTRUCTOR: Renee Pay **PHONE:** 256-5706

CLASS TIMES: (AM) 7:40 - 10:25 Daily
(PM) 11:15 - 2:00 Daily

LENGTH OF PROGRAM: Full Year

LOCATION: Sandy Campus
825 East 9085 South
Sandy, Utah 84094

TEXTS: TBA
COSTS/FEES: TBA

RECOMMENDED CLASSES: Keyboarding

COURSE DESCRIPTION:

- **Actual Work Experience:** work as a professional employee in a simulated business environment in a state-of-the-art lab.
- **Be empowered** by being in charge of your own learning; decide when you want to take a test to prove competency.
- **Earn up to 15 college credits in this program**, Mgmt 1100, Mgmt 1600, Communications 1010, Communications 1020, CIS 1020
- **Seniors can earn an English Language Arts Credit in this program**
- **Obtain actual management experience** to put on your resume.
- **Be trained to a master level and build an impressive job portfolio** of competency certificates to guarantee knowledge and skills to employers and /or colleges.
- **Learn success strategies** to start your own business.
- **Start your own business:** create an actual strategic business plan, operational plan, and project plan.
- **Complete professional seminars:** Time Management, Maximum Achievement: Keys to Peak Performance and Personal Leadership; Programming Yourself for Success.

SALARY RANGE:

Management Analysts \$38,000-\$121,400
Administrative Services managers \$31,800-\$111,700
Financial Managers \$46,300-\$145,600+

Bureau of Labor Statistics and OES 2004 Survey

JOB OUTLOOK:

Increasing in Utah

Academy of Information Technology

INSTRUCTORS: Nate Canen Phone: 256-5734
Ben Booth Phone: 256-5707
Douglas Wheeler Phone: 256-5720
Lisa Wadzeck Phone: 256-5757

CLASS TIMES: (AM) 7:40 - 10:25 Daily
(PM) 11:15 - 2:00 Daily

LENGTH OF PROGRAM: Year (2nd year/Advanced program available)

LOCATION: Sandy Campus
825 East 9085 South
Sandy, Utah 84094

TEXTS: As required

COSTS/FEES: TBA

RECOMMENDED CLASSES: TBA

COURSE DESCRIPTION: The Academy of Information Technology prepares students for CAREERS in Information Technology through application based training and real-world work experiences to develop thinking and problem-solving skills so critical to post-secondary education and career success. The Academy of Information Technology brings the worlds of education and business together through alliances with leading technology companies, connecting students with the world of work.

COURSE OBJECTIVES:

Work Experience and Employment Portfolio: Students work as professional employees in a simulated business environment where a high level of work ethic is developed along with career training to an advanced level in the students' career area(s) of choice. Students can earn JATC, state, and national certificates for job portfolios to validate competencies to employers and/or colleges.

Internships and Alumni Association: Upon successful completion of career training and corporate interviews, Academy students are placed on internships: Industry-specific placements. Academy graduates also become part of a national alumni association providing graduates with professional and social networking experiences, access to scholarships, job prospects, and mentoring and service opportunities.

College Credit: Concurrent Enrollment college credits can be earned by Academy students. Multiple college courses can be registered for and completed through the Academy of Information Technology.

Computer Technology: All students enrolled in NAF (National Academy Foundation) will have the opportunity to take the integrated IC3 course to obtain the core graduation requirement for computer technology by testing out of the course or they may complete the requirement and credit by taking the course. This course will cover computer hardware, common program functions, networks, and the Internet.

Interactive Media

Interactive media prepares students for careers in the art of digital media. Within an environment geared towards creativity and teamwork, students will have the opportunity to develop a variety of skills in areas such as: graphics, text, animation, audio and video. They will also bring all these items together in the form of both CD and web based interactive software that is entertaining and/or educational. Skills in project management, storyboarding, design, and evaluation are also developed.

Training in digital media will prepare students for a wide variety of careers. Some examples are: Graphic Artist, Interface Designer, Photographer, Animator, Audio/Video Specialist, Web Designer, Programmer, Project Manager, etc.

Student projects are organized to range from introductory skill development to advanced portfolio projects that allow the student to choose their area of focus. This allows for specific concentration on the student's desired career. Some example of these projects include: illustrations, posters, advertisements, CD covers, training software, video games, animations, TV commercials, radio spots, original music, etc. Each student will develop a professional level portfolio and work towards state and industry level certifications.

Network Systems

- **A+ Certification** This course introduces students to the computer's inner workings. Students learn how to troubleshoot and repair various hardware, software, and configuration problems. Students also learn how to install basic computer components as well as to install and configure software ranging from operating systems to applications. This course prepares students to pass the CompTIA A+ certification exam.

- **Digital Networks (CCNA) & (Network+)** The basic concepts of functionally connecting multiple computing devices are addressed in this course. Physical connections as well as logical connections are presented. Concepts such as bandwidth, access time, data rate, and error detection and correction, as well as other appropriate topics are covered. This course prepares students to pass the Cisco CCNA and the CompTIA Network+ certification exams.

Programming/Software Development

- **Computer Programming and Software Development (MCP, MCTS)**

Learn fundamental programming skills and develop software applications for both Windows and the Web. Students will be able to take the AP computer science exam as well as earn state and national recognized industry programming certifications. Students will work with various development environments and languages including C#, Lego Robotics and Java. After completing the course, students will have an excellent foundation to pursue a degree and/or career in the computer science field.

Support Services/Web Design

- **Internet Technologies/Web Page Authoring (CIW)** Take control of the Internet by learning to create and publish professional *dynamic* web pages. Web Page Authoring will enable students to create professional web pages using design languages such as XHTML, Java, ASP, PHP (for server-side scripting) and SQL. Become proficient using industry web development tools that include, Dreamweaver, Fireworks, Photoshop, Flash and FTP software. Also, install and configure a web server. After completing the training, students will be able to create Web pages that contain dynamic text, graphics, hyperlinks, tables, forms, sounds, video animation and other dynamic content. Each student will have the opportunity to earn CIW (Certified Internet Webmaster) industry certification. Careers available to our students include; web site designer, Internet web

master and programmer. (Concurrent enrollment credit and **paid internships** are Available for this course) Salary range \$25,000-\$60,000

- **Microsoft Certified Systems Administrator (MCSA) & (Server+)** The MCSA course deals with installing, configuring, and administering Microsoft Windows 2003 servers and the XP operating system. The MCSA certification provides a helpful stepping stone to Microsoft's other certifications such as MCSE and MCSA. This course prepares students to pass the Microsoft MCSA exams. (Concurrent enrollment credit and **paid internships** are available for this course) Salary range: \$25,000-\$65,000

- **Database Management** Using state-of-the-art software by Oracle Corporation (the world's leader in database technology) students learn how to use store and report on business critical data. Students will also use other database software such as MySQL, and Microsoft's Access. In this project-based course, students will learn enterprise data architecture using state-of-the-art tools and will be introduced to SQL (Structured Query Language), the language used by most popular databases. In preparation for your career you will earn industry database certification from Oracle. Careers available to our students include: Systems Analyst, DBA (Database Administrator), Database Programmer, Database Architect. The average beginning salary for trained database technician begins at 40 thousand per year. (**Paid internships** are available for this course) Salary range: \$35,000-\$90,000

COURSE EXPECTATIONS: In this program, all students will be working as an "employee" in a professional business environment performing conscientiously in career training in one or more of the twelve careers offered. Each student must abide by the JATC and the Jordan School District Computer Usage Policy.

SALARY RANGE: Variable according to training

JOB OUTLOOK: Variable according to training, mostly good to high demand.



NURSERY AND LANDSCAPING

INSTRUCTOR: Mitzi Overstreet **PHONE:** 256-5745

CLASS TIMES: (AM) 7:40 - 10:25 Daily
(PM) 11:15 - 2:00 Daily

LENGTH OF PROGRAM: Spring semester only; may also register for fall semester course, Floral Design and Greenhouse Management. Summer and second year programs are available.

LOCATION: Sandy Campus
825 East 9085 South
Sandy, Utah 84094

TEXTS: *Landscaping Principles & Practices*
Practical Horticulture

RECOMMENDED CLASSES: Biology, and Art

REQUIREMENTS: Must be able to work independently, responsibly, and enjoy working with outdoor plants.

COURSE DESCRIPTION: This course is designed to train students to enter the retail or wholesale nursery industry, landscaping business, to explore the field of landscape design and to prepare students for related college courses. Applied skills are developed through a variety of topics, projects, hands-on activities, and instructional methods.

Topics: Landscape design/Plant identification/Landscape installation/Nursery operation/Landscape maintenance/Sprinklers/Pruning/Bedding plant production/Turf management/Salesmanship

Projects and Activities: Orchard pruning/Internships/Field trips, Service projects/Grow bedding plants/Project house landscaping/botanical garden/FFA competition/

COURSE OBJECTIVES: Career and Technology credit and/or Science Elective credit/Job placement assistance/Youth leadership opportunities/Concurrent Enrollment Credit Utah State University

COURSE EXPECTATIONS: Students will be working both indoors and outdoors doing academic and hands-on activities in a variety of weather conditions. Transportation to internships at local nurseries will be the responsibility of each student.

| CAREER | SALARY RANGE | JOB OUTLOOK |
|--|-------------------|-------------|
| Landscape Gardener/Maintenance Manager | \$22,800-\$57,000 | Stable |
| Landscape/Groundskeeping Workers | \$14,700-\$33,200 | Stable |
| Landscape Architect | \$32,900-\$90,200 | Stable |

Bureau of Labor Statistics and OES 2004 Survey

HEALTH SCIENCE AND TECHNOLOGY

BIOTECHNOLOGY

INSTRUCTOR: Gina Sanzenbacher Phone: 256-5927
CLASS TIMES: (AM) 7:40-10:25 Daily
(PM) 11:15-2:00 Daily

LENGTH OF PROGRAM: Year

LOCATION: West Jordan Campus
9301 South Wights Fort Road (3491 West)
Salt Lake Community College Campus
West Jordan, Utah 84088

TEXTS: TBA

FEES: TBA Concurrent enroll and Book Fee for Medical Terminology

REQUIRED CLASSES: Biology (C Average)

RECOMMENDED CLASSES: Biology, Chemistry and Algebra

REQUIREMENTS: Proper laboratory attire (closed shoes, full leg coverage, lab coats, gloves, and sometimes safety goggles)

COURSE DESCRIPTION: This is an introductory level class about the exciting field of biotechnology. This field applies our knowledge of biological organisms to problems that occur in the real world. The topics covered in this year long course are: microbiology, genetics, bioinformatics, proteomics, genomics, forensics, agriculture, stem cell research, genetically modified organisms, and many more. These topics are investigated in the laboratory using hands-on experiments.

COURSE OBJECTIVES: Students receive four high school credits in applied technology or four science elective credits, as well as three semester credits through Salt Lake Community College. There are internship opportunities and interview/resume training with local biotech companies.

COURSE EXPECTATIONS: Students will perform various laboratory experiments using state-of-the-art equipment. They will learn standard operating procedures for each and be responsible for proper recording and documentation. Students will be required to keep and maintain accurate documentation in the lab book.

SALARY RANGE: Biological Technicians \$22,700-\$54,400
Bureau of Labor Statistics, OES 2004 Survey

JOB OUTLOOK: Increasing in Utah

ADVANCED BIOTECHNOLOGY

INSTRUCTOR: Steve Hamblin Phone: 256-5927
Gina Sanzenbacher Phone: 256-5927

CLASS TIMES: (AM) 7:40-10:25 Alternate Days
(PM) 11:15-2:00 Alternate Days

LENGTH OF PROGRAM: Year

LOCATION: West Jordan Campus
9301 South Wights Fort Road (3491 West)
Salt Lake Community College Campus
West Jordan, Utah 84088

TEXTS: TBA

FEES: TBA

REQUIRED CLASSES: Biotechnology 1010

RECOMMENDED CLASSES: Biology, Chemistry and Algebra

REQUIREMENTS: Proper laboratory attire (closed shoes, full leg coverage, lab coats, gloves, and sometimes safety goggles)

COURSE DESCRIPTION: BIOTECH 1020 Students will participate in an internship with a local biotech company as part of a CRO-Contract Research Organization. The internships available are in research. All students will work with highly experienced professionals. You do not receive pay for an internship, but you will receive concurrent credit with SLCC (2 semesters, and high school elective credit). This is a year long class that will meet for two class periods every other day. The goals of this class are to increase understanding and learning potential of the student interns and increase productivity of the partner companies. **You must have completed BTEC 1010 in order to enroll in this class and you must be recommended by your BTEC 1010 instructor.**

COURSE OBJECTIVES: Students receive three high school credits in applied technology or two science elective credits, as well as three semester credits through Salt Lake Community College.

COURSE EXPECTATIONS: Students will perform various laboratory experiments using state-of-the-art equipment. They will learn standard operating procedures for each and be responsible for proper recording and documentation. Students will be required to keep and maintain accurate documentation in the lab book. Students are required to work independently and in groups on actual biotech projects for local biotech companies.

SALARY RANGE: Biological Technicians \$22,700-\$54,400
Bureau of Labor Statistics, OES 2004 Survey

JOB OUTLOOK: Increasing in Utah

DENTAL ASSISTANT

INSTRUCTOR: Sue Taylor PHONE: 256-5925
Angie Thompson PHONE: 256-5935

CLASS TIMES: (AM) 7:40 - 10:00 Daily
(PM) 11:35 - 1:45 Daily

LENGTH OF PROGRAM: Year

LOCATION: West Jordan Campus
9301 South Wights Fort Road (3491 West)
Salt Lake Community College Campus
West Jordan, Utah 84088

TEXTS: TBA

COSTS/FEES: Scrubs: \$20-\$25
Heptavax Series: costs vary
Concurrent Enrollment fees possible
HOSA Membership

RECOMMENDED CLASSES: Health Occupations and Biology

REQUIREMENTS: Pre-testing is required, contact your CTE Coordinator for test dates. Good attendance and good citizenship are necessary. You will be required to complete a minimum of 90 hours of training in a dental office and provide your own transportation to the clinic.

COURSE DESCRIPTION: This instructional program introduces individuals to the field of dentistry where exploration and experience allows for further education within the field. This course prepares students to assist a dentist or dental hygienist in performing the functions of a dental practice. It includes instructions in chair side assisting, patient preparation, dental office functions, selected dental laboratory procedures, and dental radiographic techniques.

COURSE OBJECTIVES: Career and Technology Credit/Youth Leadership Opportunities/Job Placement Assistance/Scholarship Exploration

COURSE EXPECTATIONS: Students will be working with dental materials and will have exposure to body fluids.

SALARY RANGE: \$19,400-\$41,800
Bureau of Labor Statistics and OES 2004 Survey

JOB OUTLOOK: Increasing nationwide

NURSE ASSISTANT (CNA)

INSTRUCTOR: Julie Hoffman R.N. PHONE: 256-5980
Margie Ihler, R.N. PHONE: 256-5739

CLASS TIMES: (AM) 7:40-10:00 Daily
(PM) 11:30-1:40 Daily

LENGTH OF PROGRAM: Semester class

LOCATION: Sandy Campus West Jordan Campus
825 East 9085 South 9301 South Wights Fort Road
Sandy, Utah 84094 West Jordan, Utah 84088

TEXTS: *Textbook for Nursing Assistants: A Humanistic Approach to Caregiving*
Medical Terminology for Health Professions
First Aid: Responding to Emergencies

COSTS/FEES: (All costs/fees are subject to change)
Uniforms: \$25 to \$35
Blood Pressure Equipment \$35
Hepatitis B Shots and TB Skin Test Costs Vary
State Certification Tests \$70
HOSA Membership \$20 to \$25
SLCC Concurrent Enrollment (optional) \$35

RECOMMENDED CLASSES: Biology, Health Occupations, Medical Anatomy, and Physiology

REQUIREMENTS: Excellent attendance. Must attend one clinical session each week, above and beyond class time (see below). Must have current immunizations: Hepatitis B series, Tuberculosis (TB) skin test, and Measles, Mumps, and Rubella (MMR).

COURSE DESCRIPTION: Provide Patient Care/Assess patients and report changes in their condition/Measure intake and output/Perform range of motion/Assist with lifting, moving, walking, turning, and positioning patients/Measure vital signs (blood pressure, pulse, respiration, temperature, height, and weight)/Become first aid certified/Become CPR (Cardiopulmonary resuscitation) certified/Learn medical terminology and basic human anatomy and physiology

COURSE OBJECTIVES: Obtain Career and Technology credit/Learn about a possible career in nurse assisting/Gain a basic medical understanding, helpful for any career in the medical field/Become a Certified Nursing Assistant through the State Certification Program (must qualify)/Become CPR and First Aid certified/Access to youth leadership opportunities/Earn Medical Terminology, First Aid and Safety Concurrent Enrollment Credit (optional)/Benefit from job opportunities

COURSE EXPECTATIONS: In addition to classroom requirements, students will be training in a skilled nursing facility or hospital, providing care to patients. Clinical training will take place evenings and some Saturdays.

SALARY RANGE: \$15,400-\$29,500 Bureau of Labor Statistics and OES 2004 Survey

JOB OUTLOOK: Excellent job opportunities available nationwide

PHARMACY TECHNICIAN

INSTRUCTOR: Kathy Richins Phone: 256-5924

CLASS TIMES: (AM) 7:30-10:00 Daily
(PM) 11:30-2:00 Daily

LENGTH OF PROGRAM: Year (Seniors only)

LOCATION: West Jordan Campus
9301 South Wights Fort Road (3491 West)
Salt Lake Community College Campus
West Jordan, Utah 84088

COSTS/FEES: Books: *Medical Terminology* \$68
Brand to Generic Handbook \$5.50
Concurrent enrollment fee for Medical Terminology

TEXTS: *Pharmacy Practice*
Pharmacology
Medical Terminology
Calculations
Compounding & Intravenous Admixtures

RECOMMENDED CLASSES: Algebra I, Health Occupations, Biology, Chemistry

REQUIREMENTS: Excellent Keyboarding Skills. **Pre-testing is required, contact your CTE Coordinator for testing dates.**

COURSE DESCRIPTION: An instructional program that prepares senior students to support pharmacists by providing assistance during counter dispensing operations, and prescription preparation. Students are also trained to keep patient and related health record information; and perform a wide range of practice-related duties for both retail and hospital-based pharmacies.

COURSE OBJECTIVES: Career and Technology credit/Youth leadership opportunities, participate in clinical experiences in pharmacies/job placement assistance, obtain a national certificate and state license upon completion of course.

COURSE EXPECTATIONS: Students must have good social skills, good attendance, and good citizenship. Students will be required to provide their own transportation to clinical experiences. Required: 300 in class: 180 in pharmacy

SALARY RANGE: \$16,800-\$35,000
Bureau of Labor Statistics and OES 2004 Survey

JOB OUTLOOK: Increasing Nationwide

PHYSICAL THERAPY/ REHABILITATION

INSTRUCTOR: Christopher Harper, P.T. Phone: 256-5925
Joshua Fuhriman, D.P.T./A.T.-C Phone: 256-5925

LECTURE TIMES: (AM) 7:40 - 10:00 T,W,TH
(PM) 11:35 - 1:40 T,W,TH

CLINICAL SHADOWING: (AM) 7:40 - 10:00 M,F
(PM) 11:35 - 1:40 M,F

LENGTH OF PROGRAM: Year

LOCATION: West Jordan Campus
9301 South Wights Fort Road (3491 West)
Salt Lake Community College Campus
West Jordan, Utah 84088

TEXTS: Student Lecture Note Packet Provided
Medical Dictionary Recommended

COSTS/FEES: CPR Certification \$25
Scrubs \$40
Concurrent enrollment TBA

RECOMMENDED COARSES: Geometry, Biology, Physics and Medical Anatomy and Physiology

REQUIREMENTS: Good attendance, mature/professional behavior, previous exposure to geometry, biology, physics, anatomy, and physiology helpful; Must be able to provide your own transportation to your clinical shadowing sites three days per week. Dress code includes purchase of "scrubs uniform" for clinic site attendance. **Pre-testing is required, contact CTE Coordinator for testing dates.**

COURSE DESCRIPTION: Discussion of career paths in physical rehabilitation (physical therapy, occupational therapy, speech-language pathology, athletic training), basic functional anatomy and physiology, transfer and gait training, thermo- and electro-modalities, and diagnosis specific therapeutic exercise techniques.

COURSE OBJECTIVES: Career and Technology credit/Employment marketability/ Clinical time requirements for entrance into physical or occupational therapy as well as Speech-language pathology university-college programs/CPR and First Aid Certification

COURSE EXPECTATIONS: Students must have a caring interest in helping people with injuries or disabilities. This course involves strenuous physical activity such as lifting and moving patients and therapeutic exercises. Time management and organization skills must develop during the course of the program. There will be use of mechanical and electrical devices.

SALARY RANGE:
Physical Therapist Aides \$15,500-\$33,400
Physical Therapist Assistants \$24,100-\$52,700

Bureau of Labor Statistics and OES 2004 Survey

JOB OUTLOOK: Demand increasing faster than average. In the United States, an estimated *one million people/day* receive physical therapy.

SURGICAL TECHNICIAN

INSTRUCTOR: Mia Carsey Phone: 256-5922

CLASS TIMES: (PM) 11:15-2:00 Daily

LENGTH OF PROGRAM: Year plus summer before and after senior year
some additional time fall semester after senior
year. (Seniors only)

LOCATION: West Jordan Campus
9301 South Wights Fort Road (3491 West)
Salt Lake Community College Campus
West Jordan, Utah 84088

COSTS/FEES: Concurrent Enrollment Fee
Scrubs
Heptavax Series
Some textbooks
Drug Screening
Criminal Background Test
Physical

TEXTS: TBA

RECOMMENDED CLASSES: Chemistry, Biology, and Algebra

REQUIREMENTS: Excellent Study and Testing Skills are required. Enrollment is limited to 20 students per year. **Pre-testing is required for this class, contact CTE Coordinator for testing dates.**

COURSE DESCRIPTION: Students will learn to facilitate surgical procedures in the operating room. Their instruction will include proper sterilization techniques, patient care, surgical procedures, instrument handling, and passing. Lab work will take place in a fully equipped, state-of-the art simulated operating room.

COURSE OBJECTIVES: Career and Technology Credit/Concurrent Credit/Youth Leadership Opportunities/Job Placement Assistance/Scholarship Exploration

COURSE EXPECTATIONS: Students must be able to stand for long periods of time, follow directions in a highly structured setting, and be comfortable in an operating room environment.

SALARY RANGE: \$24,300-\$47,900
Bureau of Labor Statistics and OES 2004 Survey

JOB OUTLOOK: Increasing nationwide

PROTECTIVE SERVICES

FIRE SCIENCE

INSTRUCTOR: Scott Bringhurst Phone: 256-5700

CLASS TIME: (AM) 7:40 - 10:25 Daily
(PM) 11:15 - 2:00 Daily

LOCATION: Sandy Campus
825 East 9085 South
Sandy, Utah 84094

LENGTH OF PROGRAM: Year

TEXT: *Introduction to Fire Protection*
Introduction to Fire Protection Workbook
Firefighters Handbook
Firefighters Handbook Workbook

COSTS/FEES: TBD

RECOMMENDED CLASSES: Algebra

COURSE DESCRIPTION: This class is designed to build teamwork and help safely fight fires in a variety of situations including structural, wildland, automobile and hazmat incidents. This course uses a hands on approach that develops skills within specific evolutions. It uses coaching techniques to provide a better overall understanding of the topics being taught. Key content includes: Safety, ICS, Fire Behavior, SCBA, Fire Attack, Search and Rescue, Ventilation, Salvage and Overhaul, Vehicle fires, Hazmat, and Brush fires.

COURSE OBJECTIVES: The objective of this course is to prepare the student for a career in the fire service and/or fire industry. The course objectives cover fire technology education, career opportunities, public fire protection, chemistry and physics of fire, public and private support, resources, fire administration, support functions, training, prevention, codes and ordinances, fire protection systems and equipment, emergency management and operations

COURSE EXPECTATIONS: The course includes 50% classroom participation and 50% field trip participation. Students may earn concurrent credit through Utah Valley State College. Registration fees for college credit are established by the fire academy. A higher level of physical fitness, attendance, punctuality, responsibility, and a mature attitude while dealing with emergency situations is a must.

SALARY RANGE:

Fire Fighter \$20,400 - \$61,400

First-line Supervisors/Managers of fire fighting \$36,900 - \$90,800

Bureau of Labor Statistics and OES 2003 Survey

JOB OUTLOOK:

Increasing nationwide, Prerequisite Firefighter/Certification (UFRA) and Basic EMT (Refer to Emergency Medical Technician section)

CRIMINAL JUSTICE

INSTRUCTOR: Hugh Kimball Phone: 256-5724

CLASS TIME: (AM) 7:40-10:25 Daily
(PM) 11:15-2:00 Daily

LOCATION: Sandy Campus
825 East 9085 South
Sandy, Utah 84094

LENGTH OF PROGRAM: Semester

TEXT: (1) "*Criminal Justice in Action*", Third Edition
(2) "*Criminal Law*", Eighth Edition

COSTS/FEES: There is an optional one-time \$35.00 fee for those students interested in enrolling in the Salt Lake Community College (SLCC) Concurrent Enrollment Program. If enrolled, the student may receive up to (9) units of Criminal Justice college credit through SLCC.

RECOMMENDED CLASSES: Psychology and Sociology

COURSE DESCRIPTION: This program is designed to introduce students to the Criminal Justice system in conjunction with the SLCC Criminal Justice curriculum. Each student will have the opportunity to enroll in SLCC Concurrent Enrollment and receive college credit for this course work. During this semester-long class, the student will take criminal justice courses covering subjects such as Criminal Justice, Criminal Law, and Careers in Law Enforcement.

COURSE OBJECTIVES: Upon successful completion of these courses, the student will have the knowledge and have completed the necessary classes to enroll in other college-level criminal justice courses toward an Associates degree through SLCC and/or enrollment in the SLCC self-sponsored Peace Officer's Standards and Training (POST) Peace Officer Certification.

COURSE EXPECTATIONS: It is expected that those enrolling in this course are interested in a career in the criminal justice system. Excellent attendance is necessary since much of the material presented in class is from external sources, including written reports on field trips and visits by guest speakers. In addition to homework and in-class assignments, a research paper will be required.

Many of those enrolled in this program are expected to seek employment in some aspect of the Criminal Justice system. Employment in this system requires a relatively unblemished juvenile and adult record.

SALARY RANGE: \$27,200-\$69,300
Bureau of Labor Statistics and OES 2004 Survey

JOB OUTLOOK: Increasing in Utah

CONSTRUCTION TRADES

ELECTRICAL INSTALLATION

INSTRUCTOR: Roger Wilcox **PHONE:** 256-5726

CLASS TIMES: (AM) 7:40 - 10:25 Daily
(PM) 11:15 - 2:00 Daily

LENGTH OF PROGRAM: Year
LOCATION: Sandy Campus
825 East 9085 South
Sandy, Utah 84094

TEXTS: *National Electrical Code (Revised 2005)*
Residential Electrical Wiring, Thomas Morran

RECOMMENDED CLASSES: Algebra I (But not required)

COURSE DESCRIPTION: Installation of electrical equipment and systems in accordance with the *NATIONAL ELECTRICAL CODE (NEC)* and local regulations. Residential and commercial wiring methods/Trade mathematics/reading/interpreting *NEC 2005*/Trade and theory applications/ Reading and following diagrams and blueprints/Troubleshooting and problem-solving/Work as member of a construction team/Prepare and apply for a job.

COURSE OBJECTIVES: Electrical safety/Conductors/Hand bending/Fasteners and Anchors/Electrical theory one and two/ Electrical test equipment/Introduction to the NEC/Raceways, boxes and fittings/Career and Technology credit/Youth leadership opportunities/Job placement assistance

COURSE EXPECTATIONS: Training will take place at various schools and at a construction site within Jordan School District. Students will be climbing ladders and scaffolds (i.e. heights); working with power equipment; and have exposure to electrical circuitry.

SALARY RANGE:
Electrician \$25,700-\$70,200
Electrician Helper \$16,500-\$35,400

Bureau of Labor Statistics and OES 2004 Survey

JOB OUTLOOK:
Electrician Increasing nationwide
Electrician Helper Stable nationwide, increasing in Utah

TECHNICAL AND INDUSTRIAL TRADES

AUTOMOTIVE COLLISION REPAIR TECHNICIAN

| | | |
|-----------------------------|--|-----------------|
| INSTRUCTOR: | Barry Wootton | PHONE: 256-5716 |
| CLASS TIMES: | (AM) 7:40 - 10:25 (PM) 11:15 - 2:00 | Daily Daily |
| LENGTH OF PROGRAM: | Year (2nd year/Advanced program available) | |
| LOCATION: | Sandy Campus 825 East 9085 South Sandy, Utah 84094 | |
| TEXTS: | <i>Motor Auto Body Repair</i> I-CAR Advantage Series | |
| COSTS/FEES: | Safety glasses, paint respirator, personal safety equipment, work clothes, work shoes, hand tools, spreaders and mixing boards: \$50-\$100 | |
| RECOMMENDED CLASSES: | Auto I, Welding I and Mechanical ability and good memory skills | |

COURSE DESCRIPTION:

First Year: Students will be able to diagnose and repair collision damage. They will gain a basic understanding of:

- Estimating
- Metal repair
- Paint chemistry/application
- Fiberglass and plastic repair
- Automotive-related welding

Second Year: Students will further develop their first year skills and be able to pursue their areas of interest in more detail. This course provides student with entry level knowledge and skills as an Auto Collision Technician. It also prepares students for opportunities in post-secondary education as an Auto Collision Technician.

COURSE OBJECTIVES: This course provides students with entry-level knowledge and skills in preparation to work in the Auto Collision industry. It also provides pathways for students to pursue in post-secondary education in this field. Career and Technology credit/Competency Certification/Job placement assistance/Youth leadership opportunities/Concurrent Enrollment Credit

COURSE EXPECTATIONS: Students will be working with power tools and hazardous materials such as paint, solvents, and fillers. Safety glasses, paint respirator, and proper clothing are required. This is a competency based course. Each competency will help students develop skills needed in the collision repair industry. Student projects will require approval; costs will be paid by the student.

SALARY RANGE: \$19,900-\$58,900
Bureau of Labor Statistics and OES 2004 Survey

JOB OUTLOOK: Increasing in Utah

HEAVY DUTY MECHANICS/DIESEL

INSTRUCTOR: Ray Vonk PHONE: 256-5718

CLASS TIMES: (AM) 7:40 - 10:25 Daily
(PM) 11:15 - 2:00 Daily

LENGTH OF PROGRAM: Year (2nd year/Advanced program available)

LOCATION: Sandy Campus
825 East 9085 South
Sandy, Utah 84094

TEXTS: *Heavy Duty Truck Systems* Reading Level: 12
Diesel Technology Reading Level: 12

COSTS/FEES: Protective glasses: \$5
Workbook: \$15.00
3-ring binder

RECOMMENDATIONS: Automotive classes and mechanical experience

COURSE DESCRIPTION:

First Year: Learning the mathematics measuring tools, for measuring/internal and external diesel engine components, complete engine rebuild. 12/24 volt electrical systems learning Ohms law in incorporating math into the electrical systems, voltage drop, resistance, wiring, and trouble shooting. Use power tools/hand tools safely. Brakes and air brake systems. Arc welding and gas torch use. Suspensions on trailers/truck and alignments. Transmission/clutch repair. Truck preventive maintenance. Differential removal/rebuild. Reading and understanding shop manual use.

Second Year: Students will further develop their first year skills and be able to pursue their areas of interest in more detail.

COURSE OBJECTIVES: Career and Technology credit/Youth leadership opportunities/Articulation agreement-SLCC/Concurrent Enrollment/Program certificate/Job placement assistance

COURSE EXPECTATIONS: In this class, students will be exposed to oils, fuels, cleaning solutions, heavy equipment, power equipment and welding torches.

SALARY RANGE

\$23,600- \$53,300
Bureau of Labor Statistics and OES 2004 Survey

JOB OUTLOOK:

Stable nationwide, increasing in Utah

TECHNOLOGY AND ENGINEERING

ENGINEERING TECHNOLOGY I-Project Lead-the-Way

INSTRUCTOR: Michael Smoot Phone: 256-5981
Kirk Terry Phone: 256-5982

CLASS TIMES: (AM) 7:40 - 10:25 Daily
(PM) 11:15 - 2:00 Daily

LENGTH OF PROGRAM: Year

LOCATION: West Jordan Campus
9301 South Wights Fort Road (3491 West)
West Jordan, Utah 84088

TEXTS: TBA

COSTS/FEES: TBA

RECOMMENDED CLASSES: Algebra, Computer Technology and Science Courses

REQUIREMENTS: TBA

COURSE DESCRIPTION: This program is presented in a project-oriented manner that focuses on problem-solving skills using a team centered approach similar to "real world" industrial experiences. Students will focus in the following engineering fields: principles of engineering, engineering design, digital electronics, and computer-aided manufacturing, while discovering how engineers and engineering technicians integrate math science, and communications skills into their profession. Engineering Technology students will also engage in the research design, and construction of models/prototypes in a variety of areas including: electrical, fluid, structural, mechanical systems.

COURSE OBJECTIVES: Prepare young men and women to enter an Engineering or Engineering Technology program. Career and Technical Education Credit/Concurrent Enrollment Credit/Youth Leadership Opportunities/Job Placement Assistance/Scholarship Exploration

COURSE EXPECTATIONS: Students will be involved in hands-on projects. Activities will be team oriented. Attention to detail will be emphasized.

SALARY RANGE:

Engineering Technician \$30,600-\$72,200
Engineer \$46,600-\$106,900
Bureau of Labor Statistics and OES 2004 Survey

JOB OUTLOOK: Increasing nationwide

ENGINEERING TECHNOLOGY II

INSTRUCTOR: Michael Smoot Phone: 256-5981
Kirk Terry Phone: 256-5982

CLASS TIMES: (AM) 7:40 - 10:25 Daily
(PM) 11:15 - 2:00 Daily

LENGTH OF PROGRAM: Year

LOCATION: West Jordan Campus
9301 South Wights Fort Road (3491 West)
West Jordan, Utah 84088

TEXTS: Various curriculum materials provided by each course

COSTS/FEES: One time Concurrent Enrollment fee- \$35 assessed by SLCC

RECOMMENDED CLASSES: Physics, Algebra II, Geometry

REQUIREMENTS: A candidate student must be on-track as a high school junior and senior in all core courses required for high school graduation

COURSE DESCRIPTION: This program is structured around hands-on, real-life activities that allow students to explore all aspects of engineering careers. Students will focus on engineering designs of their own creation using CAD skills developed in the first year of this two year program and the study of basic engineering principles. Projects will include product improvement, and computer integrated manufacturing, schemes and prototyping of student developed engineering designs. Students will develop novel engineering concepts in a year long program that requires students to conceptualize, research, brainstorm, design and construct a product of their own creation. Students will work in cooperative team environments, and learn and gain experience in team working and leadership skills.

COURSE OBJECTIVES: Prepare young men and women to attain engineering based careers; learn leadership and receive concurrent enrollment credits that can be applied to community college and university fields of study.

COURSE EXPECTATIONS: Attention to personal detail in engineering documentation; develop teaming working skills; refine leadership skills.

SALARY RANGE:

| | |
|--|--------------------|
| Engineering Technician | \$30,600-\$72,200 |
| Engineer | \$46,600-\$106,900 |
| Bureau of Labor Statistics and OES 2004 Survey | |

JOB OUTLOOK: Increasing nationwide

TRANSPORTATION

COMMERICAL AIRCRAFT PILOT

INSTRUCTOR: Carl Readicker

CLASS TIMES: (AM) 7:40-10:25
(PM) 11:15-2:00

LOCATION: Meadowbrook Campus of Salt Lake Community College
250 West 3900 South
Room 130, Building B

LENGTH OF PROGRAM: Year

TEXTS: College Level Text

COSTS/FEES: Concurrent Enrollment Fee
Charge for flight time depending on length of time
it takes you to achieve competence and the
aircraft and selected electives.
Nominal insurance fee for FLYT 1140

RECOMMENDED CLASSES: Algebra, Physics, Computer Classes

REQUIREMENTS: 16 Years of age to enroll, 17 to fly. English literacy in reading and speaking Acceptable physical condition certified by an FAA examiner.

COURSE DESCRIPTION: The classes provide a study of aviation fundamentals, principles of flight, aircraft operations, weather, navigation and safety.

COURSE OBJECTIVES: This class will give high school students a head start in earning an Associate of Science in Flight Technology and becoming a licensed commercial pilot and Concurrent Enrollment program.

SALARY RANGE:
\$48,500 to \$145,000+

Earnings of aircraft pilots vary greatly depending whether they work as airline or commercial pilots. Earnings of airline pilots are among the highest in the nation, and depend on factors such as the type, size, and maximum speed of the plane and number of hours and miles flown.

JOB OUTLOOK: Stable

PERSONAL SERVICES

COSMETOLOGY/BARBERING

INSTRUCTORS: The instructors are provided by Salt Lake Community College.

PHONE: 256-5731

CLASS TIMES: (AM) 7:30 - 11:30 Daily
(PM) 12:00 - 4:00 Daily

LENGTH OF PROGRAM: The State requires 2000 or more clock hours for licensure (approximately 2 years)

LOCATION: Sandy Campus
825 East 9085 South
Sandy, Utah 84094

CREDITS: High school and college credit is available.

TEXTS: *Pivot Point's Salon Fundamentals of Cosmetology*
Milady's Standard Textbook of Barbering

COSTS/FEES: * \$35.00 SLCC application fee
* Salt Lake Community College tuition (Student Installment LOAN 'STIL', Monthly payment available-extra \$35.00 fee)
* The student will purchase two workbooks, several college course-required textbooks and two smocks (1 black and 1 white)

RECOMMENDATIONS: Good eye-hand coordination and customer service skills.

REQUIREMENTS:

Pre-testing is required. See your CTE Coordinator for test dates.

STUDENTS MUST BE CURRENTLY ENROLLED IN A HIGH SCHOOL PROGRAM.

THE FOLLOWING SECTION IS SALT LAKE COMMUNITY COLLEGE (SLCC) MAJOR COURSE REQUIREMENTS FOR ALL BARBERING/COSMETOLOGY STUDENTS.

THE FOLLOWING CLASSES ARE REQUIRED FOR A CERTIFICATE AND ARE OFFERED DURING THE TIME THE STUDENT IS ENROLLED IN THE COSMETOLOGY PROGRAM:

- Human Relations LE 1220
- Small Business Management MGT 1100
- Elements of Effective Communication COM 1010 (H.S.Language Arts Credit)
- Color Principles BRC 2710
- Salon Success BRC 2810

FOR STUDENTS INTERESTED IN RECEIVING A DIPLOMA, THE FOLLOWING ADDITIONAL CLASSES ARE OFFERED:

- Ethnic Hair BRC 2860
- Advanced Hair Design BRC 2870

An Associate of Applied Science Degree can also be earned by completing additional classes.

COURSE DESCRIPTION: Salt Lake Community College, in conjunction with Jordan and Granite school districts, offer the same barbering/cosmetology program to qualified high school juniors and seniors. This course emphasizes the learning necessary to design hair and enhance beauty. Study of chemicals provides knowledge related to maintaining the proper condition, color and curl of hair. Instruction also is given in communication, hair cutting and nails. Current and past fashion trends are taught to provide familiarization with cycles of hairstyles and designs. This creative field can be highly individualistic. Specialization in cutting, coloring, permanent waving or salon management is possible. As a specialist, a graduate should expect post-graduate study/training in any of the above named specialties. Learning is approached on a personal basis with appropriate discussion and lectures. College instructors teach the courses.

COURSE OBJECTIVES: This course is designed to meet all the requirements of the Utah State Licensing Board. In addition to the required courses the program also requires 2,000 clock hours of instruction to qualify for a college certificate, diploma, or degree. Earned clock-hours may vary each term depending upon factors such as the actual number of teaching days, holidays, snow days, student absences, and tardiness. Skills in reading, writing, math, and manipulation are necessary for success in this program. Internet access is necessary to complete the COM 1010 and LE 1220 courses.

This course offered at the high school level is not considered a concurrent enrollment course. Therefore, cosmetology students pay college tuition minus some student fees.

COURSE EXPECTATIONS: The student is required to attend the program the entire school year. Students must follow the same guidelines that govern the traditional college program. Accumulation of clock hours is crucial to the success of this program. Leadership opportunities are available through Skills USA-VICA.

SALARY RANGE
\$13,100-\$37,100

Bureau of Labor Statistic, and OES 2004 Survey

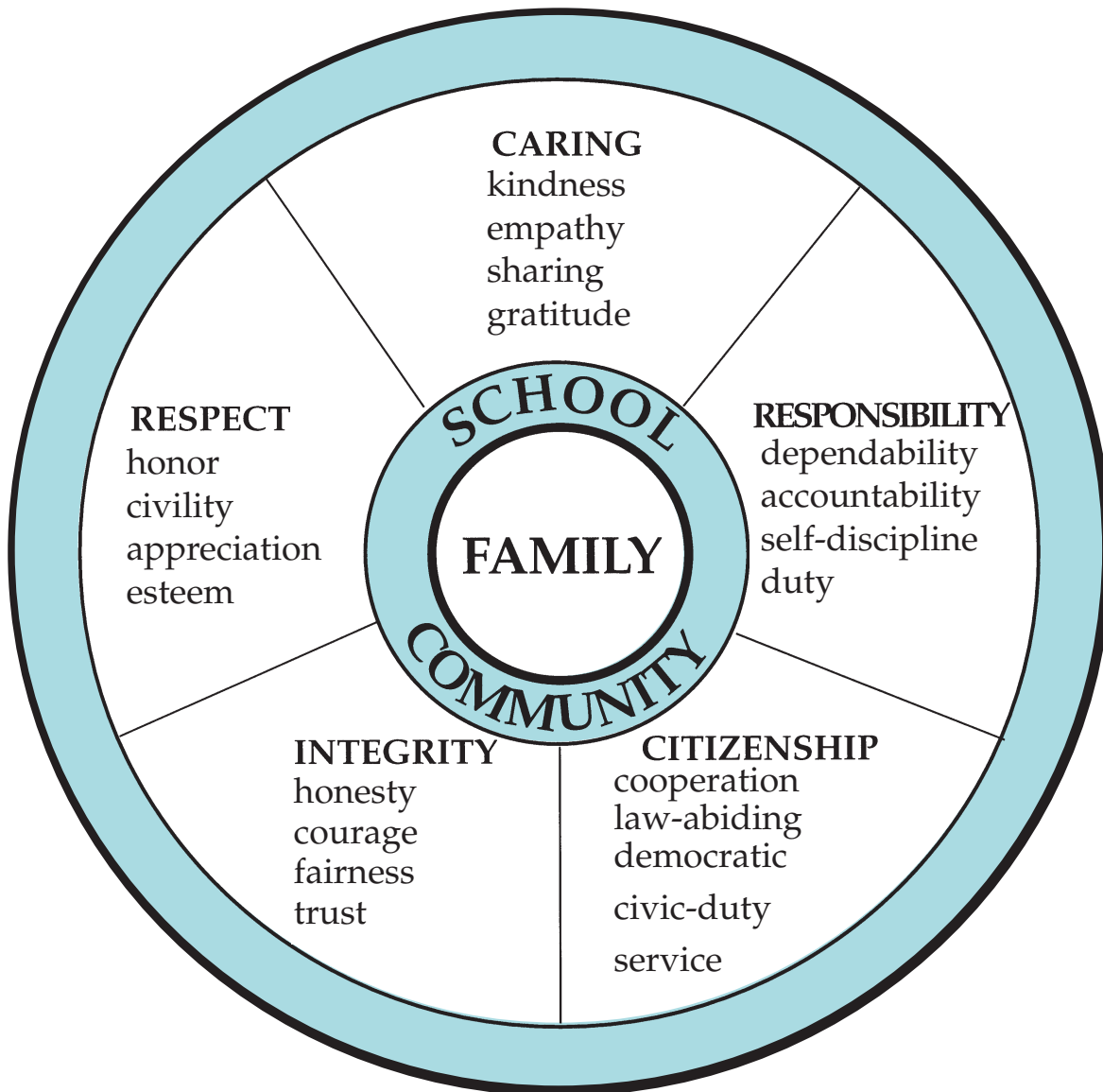
JOB OUTLOOK:
Stable nationwide, increasing in Utah

Jordan School District

A Full Spectrum of Educational Opportunities



Universal Values of Character Education



These values are the foundation of responsible behavior and good decision making in the family, school, and community.