

## **2014-15 JACC Classes with Success Indicators**

**These are recommendations/suggestions to follow when placing students in classes.**

**Students do best in these classes with the following characteristics.**

### **AgriScience**

- A desire to explore careers in many areas of agriculture
- Able to perform physical work in a variety of conditions: Willing to work outside in all types of weather
- A desire to learn about and work with livestock including cattle, pigs, chickens, and sheep
- A desire to learn about and work with plants
- A desire to improve leadership skills through FFA club
- Works well with others and in teams, and has the ability to work independently
- Has the ability to complete reading and writing assignments at about the 8<sup>th</sup> grade level
- Effective communication skills

### **Army JROTC (Basic for juniors, Advanced for seniors, Charlie Company after school grades 9-12)**

- Willing to explore military careers
- A desire to work on personal fitness
- Ability to read and write at the middle school level
- Motivated to improve leadership skills and self-discipline
- Will respectfully wear the Army Uniform
- Have good attendance
- Improve citizenship skills by serving others

### **Auto Body**

- Physically able to handle repetitive movement in dusty, noisy, confined environments
- Good employability skills: Present, punctual, prepared for class, pride in work and respectful of others
- Willing to learn the art and process of auto body by building skills from the basics to work that could be sold to a customer
- Able to read for information from textbooks, product labels, and automotive catalogs
- Ability to stay on task and work independently in the presence of noise and distractions from equipment and other workers
- Good problem solving skills and listening skills

### **Automotive Technology**

- Strong reading skills: Able to read for information, locate information, draw conclusions
- Critical thinking skills
- Textbook and technical material written at college level
- Computer based curriculum: Textbook and many assignments are online
- Math/measurement is critical: Micrometer, fractions, metric system, volume, geometry
- Strong employability skills: Good attendance, good attitude, follow safety rules, daily uniform, organizational skills, good time management
- Able to work independently and in small teams

## **Business Administration, Management & Operations**

*This course will teach topics that are necessary to successfully run a business, including: Microsoft Office Software (WORD, EXCEL, ACCESS, PowerPoint, and OUTLOOK), accounting, bookkeeping, and inventory control.*

- Able to work independently
- Good Math Skills – has successfully completed Algebra I
- Able to read at or above 10<sup>th</sup> grade level
- Able to sit for an extended period of time (2 hours)
- Able to multi-task

## **Computer Information Technology**

*Students will complete two 2-week rotations with the two instructors in this area; then, they will pick an area to major in:*

**Programming-** Software, Mobile Apps, Advanced Websites, "Smart Gadgets," and Video Game Development **or**  
**Systems Administration-** Computer Forensics, Robotics, Networking, Cyber Defense, and Hardware.

### **Programming**

- Good at math and likes it, especially Algebra and story problems
- Enjoys logic puzzles & brain-teasers
- Good at number patterns. Can you solve this? \_\_, \_\_, 48, 78, 126, 204, ...
- Detail-oriented. Are you good at "spot the difference between two images" games?
- Determined: It may take hours to fix a programming error
- A problem-solver with initiative. If you don't know the answer, can you find it (beyond just using Google)?
- At grade-level reading comprehension
- Advanced computer experience (ie. building your own PC) is a plus but not mandatory
- Likes to make things (in physical & virtual worlds)
- Gamers (no, you do not have to be a gamer), you not only play but you modify them
- Has made a website, is a plus but not mandatory

### **Systems Administration**

- A desire to work with computers that goes deeper than running software
- Able to work in a team environment to produce, develop and achieve informational technology success
- Able to work independently and willing to take on leadership roles
- Good communication skills: Likes to work with people
- Academic success in high school is a good indication of probable success in this class
- Materials are written at a 9<sup>th</sup> grade level
- Able to problem solve and use deductive reasoning to resolve issues and discover causes
- Comfortable with math concepts like number systems conversions and Logic

## **Construction Remodeling/New**

- Willing to work in loud, dusty, hot, cold, or dirty environment
- Recognize that careers in this trade are physically demanding
- Able to work independently and in small teams
- Strong employability skills: Good attendance, prepared for class, follow safety rules
- Textbooks, trade manuals, blueprints, and math skills are at 8<sup>th</sup> grade level
- Math/measurement skills are critical: Reading tape measure, squares, scales accurate to 1/16"
- Demonstrated ability to compute dimensions
- Strong mechanical aptitude
- Ability to make judgments and execute precision work

## Construction Site

- Good attitude: Maturity, professionalism, positivity
- Good problem solving ability and able to locate information
- Good attendance, dependability
- Ambition: Motivated, productive, and able to self-manage
- Able to work in loud, dusty, hot, cold, dirty, or high above ground environment
- Successful completion of Construction New or Remodeling

## Cosmetology

- Mandatory 2 year program: Must start class as a junior
- Must have reliable transportation 1<sup>st</sup> year if from a school that only sends PM shift. Junior schedule is 8:00-10:50 AM Mon-Fri.
- Must have reliable transportation 2<sup>nd</sup> year. Senior schedule is 11:30-6:00 PM Mon-Fri.
- Great attendance: Must complete 1500 hours of training by end of senior year to take state board exam
- GPA of 2.5 or higher is recommended
- Good foundation of basic Math skills: Addition, subtraction, ratios, percentages, angles, and volume
- Interest in Science: Anatomy, Physiology, Chemistry
- Able to locate information
- Positive client-friendly demeanor: Great attitude, good personality, ability to separate personal from professional issues, professional dress
- Good interpersonal “people” skills to be able to interact, read, and deal with variety of clients
- Good communication skills: Able to question clients about their needs, listen to gain understanding, and able to convey ideas clearly to avoid misunderstanding
- Artistic nature: Originality and imagination to develop particular cut, style, color on client
- Physical demands: Able to stand for hours, reaching and grasping, stamina, manual dexterity with fingers, able to keep hands and arms steady while working

## Culinary Arts

- Ability to read for information at the 8<sup>th</sup> grade level
- Able to perform basic math functions: Fractions, decimals, percentages, and volume
- High standards for personal hygiene
- Ability to prioritize work and make good judgments under pressure
- Demonstrate an eagerness to work, be adaptable, and punctual
- Ability to carry out detailed, multiple step, written and oral instructions
- Ability to withstand the physical demands of standing for long periods and working in extreme heat
- Ability to work independently and in teams
- Ambition: Motivated, productive, and able to self-manage

## E2020 Online

- Independent learner
- Access to computer with reliable internet outside of normal school hours
- Good time management skills
- Able to ask for help as needed with course
- Willing to miss JACC class time for tests, etc.

## **Engineering/PLTW**

- Successful completion of IED and POE at local school, if they offer these foundation courses
- If the school does not offer IED and POE, should have other attributes below
- Strong Math skills- Algebra
- Strong Science skills- interest in physics concepts
- Able to think creatively and outside the box
- Critical thinking and problem solving skills using logic
- Interest in computer simulation
- Interest in robotics, engineering, manufacturing and architecture
- Self-motivated, able to work independently and with a team
- College level coursework: Fast pace and high reading level

## **Firefighting**

- Works well in groups and teams
- Enjoys and is able to participate in rigorous physical activities including search and rescue, rappelling, and basic firefighting activities
- Textbook and material written at college level
- GPA of 2.5 or higher is recommended
- Is motivated to serve their community
- Willing to work in structured setting, daily uniform

## **Health Dental**

- Professionalism, good ethical behavior (ie. honesty), and teamwork
- Strong emphasis on employability skills: Good attendance, productive worker, follows safety rules, daily uniform requirements, positive patient-friendly attitude, and ability to work as a team in a dental environment
- Self-directed, independent learner: Able to multi-task in a busy classroom/lab/clinic environment
- Performing hands-on dental skills and procedures is a requirement
- Strong reading and writing skills: Able to read and locate information from textbooks and technical materials that are written at a college level with an emphasis on science and medical/dental terminology
- Able to work independently on a computer based curriculum
- Critical thinking and problem solving skills are needed as many written assignments are online

## **Health Technician 1**

- Strong academic ability in Science
- Employability skills: Great attendance, good attitude, reliable, good ethical behavior (ie. honesty)
- Demonstrate emotional stability, caring and empathetic attitude, good interpersonal communication skills
- Textbook and material written at college level
- Able to work independently on a computer based curriculum: Textbook and many assignments are online
- GPA of 2.5 or higher is recommended
- Must have transportation for clinical hours (4 days total)
- Must pass background check to be eligible for clinical hours

## **Health Technician 2 (Patient Care Tech or Pharmacy Tech/Body Structure & Function)**

- Completion of Health Tech 1 or Dental with grade of 80% or higher
- Detail oriented
- Employability skills: Excellent attendance, flexibility, able to work in groups and independently
- Task planning, time management and organizational skills; average clerical skills
- Ability to take initiative and adapt to change
- Ability to stand for long periods of time
- Eager, highly motivated to complete moderately accelerated curriculum
- Strong academic ability in Math and Science
- Textbook and material written at college level

## **Law Enforcement**

- Strong academic ability in English- much reading and writing required
- Textbook and material written at college level
- GPA of 2.5 or higher is recommended
- Physical fitness activities are a mandatory part of class
- Community service hours will be required as part of curriculum
- Employability skills: Good attendance and ethical behavior (ie. honesty)

## **Precision Machining/CAM**

- Above average verbal and numeric skills
- Above average learning ability and mechanical reasoning skills
- Ability to make good judgments
- Ability to stay focused and on task
- Ability to problem solve
- Computer literacy
- Does well in Algebra and Geometry
- Has a fascination with how things work
- Has the ability to work independently

## **Sales & Marketing**

- Cooperativeness: Works well with others and participates willingly
- Enthusiastic attitude and willing to learn
- Able to follow directions, work independently, ask questions to clarify
- Willingness/Self-confidence to try new things
- Strive for more than minimum requirements
- Show initiative: Volunteer new ideas, use imagination to solve problems, work without supervision
- Maturity and judgment: Takes responsibility for self

## **Teacher Education**

- Strong reading, writing, and math skills. (Required state assessment is the Professional Readiness Examination- formerly called the Basic Skills Test for teachers)
- Able to communicate ideas and concepts clearly in writing, which is organized, concise, and grammatically correct
- Critical thinking and problem solving skills
- Able to communicate effectively with others
- Good employability skills: Good attendance, positive attitude, works and relates well to others
- Flexible and adapts easily to new situations
- Accepts constructive criticism and positive feedback in a mature manner and is willing to learn
- Relates well to others effectively and controls emotions in an appropriate manner
- Good organizational skills, able to manage time wisely, self-motivated
- Interested in working with school-aged children (pre-school through high school)

## **Transition to Work**

- Good attendance
- Ability to handle physically demanding work
- Observation and problem solving skills
- Interpersonal communication skills
- Ability to follow directions and use a checklist
- Willingness to complete repetitive tasks and work with industry standards
- Ability to work as a team, as well as independently with minimal supervision when on a job site

## **Visual Communications**

- Good attendance and punctuality
- Pays attention to detail
- Ability to read and follow directions, both written and verbal
- Basic math skills and ability to read a ruler
- Creative thinking
- Enjoys working with hands and mind
- Likes change and a fast-paced environment
- Can handle criticism of creative work
- Patient, and likes the challenge of solving a problem

## **Welding**

- Strong academic skills in Geometry and Algebra
- Able to read for information
- Good eye/hand coordination
- Critical thinking skills
- Strong employability skills: Good attitude, flexibility, reliability, follows safety procedures
- Able to work independently