



CO

NEW CASTLE COUNTY VOCATIONAL TECHNICAL SCHOOL DISTRICT

Cosmetology

LOCATIONS

Delcastle Technical High School

Instructors: Ms. Paula Tiberi
Ms. Felicia Wise

Hodgson Vo-Tech High School

Instructors: Ms. Debbie Boulden
Ms. Theresa Tucci

Howard High School of
Technology

Instructor: Ms. Marina Pini

Available Certifications

Delaware State
Cosmetology License

Career Program Review:
2007

NEW CASTLE COUNTY VOCATIONAL TECHNICAL
SCHOOL DISTRICT

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Cosmetology is the art and science of beautifying hair, skin, and nails. Cosmetologists perform such tasks as shampoos, facials, manicures, hair coloring, permanent waving, thermal styling, chemical relaxing, and hair cutting. A successful professional cosmetologist is a talented stylist, a personal service expert, and a self-promoter, as well as a poised and confident salesperson. The professional cosmetologist may choose to work in an independent salon, a spa salon, a national franchise, or an independent chair of salons as well as hotels, hospitals, and nursing homes. Delcastle, Hodgson, and Howard each operate a salon that is open to the public. The salon setting provides students with the opportunity for hands-on experiences and prepares the student for cooperative education placement and employment. Cosmetology is a profession licensed by the State of Delaware. Students selecting the Cosmetology career program will receive instruction that provides the skills and scientific theory necessary to apply for their cosmetology license. 1500 hours of training are required for licensing, and students completing the program take the Cosmetology State Board Licensing Examination.

Employment opportunities available after high school graduation:

Cosmetologist, Manicurist, Nail Technician, Platform Artist, Hair Stylist, Make-up Artist, Colorist, Salon Owner, Industry Consultant, Barber

Employment opportunities requiring 2-years of specialized training after high school:

Mortuary Beautician, Cosmetology Instructor

Preferred Personal Attributes and Skills

To do this kind of work, students should have these interests and aptitudes:

- Listen to others, understand, and ask questions.
- Express ideas clearly when speaking or writing.
- Read and understand work-related materials.
- Think of new ideas or original, unusual, or creative ways to solve problems.
- Understand new information or materials by studying and working with them.
- Analyze ideas and use logic to determine their strengths and weaknesses.
- Notice when something is wrong or is likely to go wrong.
- Concentrate and not be distracted while performing a task.
- Judge the costs and benefits of a possible action.
- Use reasoning to discover answers to problems.
- Combine several pieces of information and draw conclusions.
- Manage the time of self and others.
- Check how well one is learning or doing something
- Stand for long periods of time.
- Repeat the same motions.
- Use hands to handle, control, or feel objects or tools.
- Bend or twist the body when working on client's hair or applying makeup.
- Work with the public.
- Update and use job-related knowledge.
- Assist and care for others.
- Provide advice and consultation to others.
- Resolve conflicts and negotiate with others.
- Convince others to buy goods or change their minds or actions.
- Estimate sizes, quantities, time, cost, or materials needed.
- Communicate with supervisors, peers, or subordinates.
- Document and record information.

Average Earnings/Career Opportunities

Starting \$20,000 up to \$50,000 and beyond with experience

- | | |
|-----------------------|------------------|
| • Cosmetologist | • Barber |
| • Nail Technician | • Colorist |
| • Mortuary Beautician | • Hair Stylist |
| • Manicurist | • Make-up Artist |
| • Platform Artist | |

Cosmetology Learning Targets

These are the major tasks students will be expected to demonstrate:

A. Introduction

- 1.0 Students will demonstrate an understanding of the requirements and rules of the cosmetology program.
 - 1.1 Students will explain the rules and regulations of the cosmetology program.
 - 1.2 Students will review the course syllabus and recall the key components of the course from the syllabus.
 - 1.3 Students will identify the necessary materials needed for the cosmetology program.
 - 1.4 Students will explain the State Board requirements related to the cosmetology program.
- 2.0 Students will demonstrate an understanding of the safety and Right-to-Know issues related to the cosmetology program.
 - 2.1 Students will identify and describe safety and hygiene practices in the high school setting.
 - 2.2 Students will explain how to determine if a chemical substance in the classroom is dangerous.
 - 2.3 Students will interpret material safety data sheets (MSDS) and identify their location in the classroom.
 - 2.4 Students will describe how to get more assistance and information on chemical hazards.
 - 2.5 Students will apply school and lab safety policies and procedures.
 - 2.6 Students will take and pass the Right-to-Know test.

B. The History and Opportunities

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will participate in lifelong learning to stay current with trends, technology, and techniques pertaining to the cosmetology industry.

- 1.0 Students will describe the origins of hairstyling and barbering.
- 2.0 Students will name some of the pioneers of modern cosmetology and discuss their roles in its development.
- 3.0 Students will describe advancements made in cosmetology during the nineteenth and twentieth centuries.
- 4.0 Students will list the career opportunities available to a licensed cosmetologist.
 - 4.1 Students will identify opportunities in the cosmetology field.
 - 4.2 Students will identify entry requirements for the positions available in the cosmetology industry.

C. Life Skills

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will consult with clients to determine their needs and preferences, interact effectively with coworkers as a part of a team, and effectively manage your time in order to provide efficient client service, and use appropriate methods to ensure personal health and well being.

- 1.0 Students will list the principles that contribute to personal and professional success.
- 2.0 Students will explain the concept of self-management.
- 3.0 Students will create a personal mission statement.
- 4.0 Students will explain how to set long- and short-term goals.
- 5.0 Students will discuss the most effective ways to manage time.
- 6.0 Students will describe good study habits.
- 7.0 Students will be able to describe the meaning of ethics and how it relates to the cosmetology field.
- 8.0 Students will list the characteristics of a healthy, positive attitude.

D. Your Professional Image

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will use appropriate methods to ensure personal health and well being.

- 1.0 Students will explain the concept of wellness as it relates to image.
- 2.0 Students will list the basic habits of daily personal hygiene.
- 3.0 Students will explain the concept of dressing for success.
- 4.0 Students will describe methods for reducing stress.
- 5.0 Students will identify the basic principles of sound nutrition and exercise.
- 6.0 Students will demonstrate ways to improve posture, both standing and sitting.
- 7.0 Students will demonstrate an understanding of ergonomic principles and ergonomically correct postures and movement.

E. Communicating for Success

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will consult with clients to determine their needs and preferences as they relate to cosmetology services, interact effectively with coworkers as part of a team, and take the necessary steps to develop and retain clients.

- 1.0 Students will explain the basic processes of effective communication.
- 2.0 Students will assess a client's needs based on the "total look" concept.
- 3.0 Students will conduct a simulated successful client consultation.
- 4.0 Students will demonstrate how to handle delicate communication with clients through the use of role-plays.
- 5.0 Students will demonstrate how to build open lines of communication with coworkers and salon managers within the classroom setting.

F. Infection Control: Principles and Practice

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will conduct services in a safe environment and taking measures to prevent the spread of infectious and contagious disease and will safely use a variety of salon products while providing client services.

- 1.0 Students will list the types and classifications of bacteria.
- 2.0 Students will define hepatitis and AIDS and explain how they are transmitted.
- 3.0 Students will describe vegetable and animal parasites that may be seen in the salon.
- 4.0 Students will discuss the different types of disinfectants and how they are used
- 5.0 Students will describe how to safely sanitize and disinfect various salon tools and surfaces.
- 6.0 Students will explain the differences between sterilization, disinfection, and sanitation.
- 7.0 Students will discuss Universal Precautions and your responsibilities as a salon professional.

G Anatomy and Physiology

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists must understand anatomy and physiology to become more proficient at performing professional salon services.

- 1.0 Students will explain the importance of anatomy and physiology to the cosmetology profession.
- 2.0 Students will describe cells, their structure, and their reproduction.
- 3.0 Students will define tissue and identify the types of tissues found in the body.
- 4.0 Students will name the 10 main body systems and explain their basic functions.

H. Basics of Chemistry and Electricity

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will market professional salon products, use a variety of salon products while providing client services, use appropriate methods to ensure personal health and well-being, and provide basic skin care services.

- 1.0 Students will explain the difference between organic and inorganic chemistry.
- 2.0 Students will discuss the different forms of matter: elements, compounds, and mixtures.
- 3.0 Students will explain pH and the pH scale.
- 4.0 Students will describe oxidation and reduction (redox) reactions.
- 5.0 Students will define the nature of electricity and the two types of electric current.
- 6.0 Students will describe the four types of electrotherapy and their uses.
- 7.0 Students will explain electromagnetic radiation and the visible spectrum of light.
- 8.0 Students will describe the five types of light therapy and their benefit.

I. Properties of the Hair and Scalp

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will consult with clients to determine their needs and preferences, and conduct services in a safe environment and taking measures to prevent the spread of infectious and contagious disease.

- 1.0 Students will name and describe the structures of the hair root.
- 2.0 Students will list and describe the three layers of the hair shaft.
- 3.0 Students will describe the three types of the side bonds in the cortex.
- 4.0 Students will list the factors that should be considered in a hair analysis.
- 5.0 Students will describe the process of hair growth.
- 6.0 Students will discuss the different types of hair loss and their causes.
- 7.0 Students will describe the various options for hair loss treatment.
- 8.0 Students will recognize hair and scalp disorders commonly seen in the salon and school, and know which can be treated there.

J. Principles of Hair Design

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will consult with clients to determine their needs and preferences and provide styling and finishing techniques to complete a hairstyle to the satisfaction of the client.

- 1.0 Students will list the five elements of hair design.
- 2.0 Students will list the five principles of hair design.
- 3.0 Students will identify different facial shapes.
- 4.0 Students will demonstrate how to design hairstyles to enhance or camouflage facial features.
- 5.0 Students will explain design considerations for men.

K. Shampooing, Rinsing, and Conditioning

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will consult with clients to determine their needs and preferences, conduct services in a safe environment and taking measures to prevent the spread of infectious and contagious disease, use a variety of salon products while providing client services and effectively market professional salon products.

- 1.0 Students will explain pH and its importance in shampoo selection.
- 2.0 Students will explain the role of surfactants in shampoo.
- 3.0 Students will discuss the uses and benefits of various types of shampoos and conditioners.
- 4.0 Students will perform proper scalp manipulations as part of a shampoo service.
- 5.0 Students will demonstrate proper shampooing and conditioning procedures.
- 6.0 Students will describe general hair and scalp treatments.

L. Haircutting

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will provide a haircut in accordance with a client's needs or expectations, consult with clients to determine their needs and preferences,, conduct services in a safe environment and taking measures to prevent the spread of infectious and contagious disease.

- 1.0 Students will identify reference points on the head form and understand their role in haircutting.
- 2.0 Students will define angles, elevation, and guidelines.
- 3.0 Students will list the factors involved in a successful client consultation.
- 4.0 Students will demonstrate the safe and proper use of the various tools of haircutting.
- 5.0 Students will demonstrate mastery of the four basic haircuts.
- 6.0 Students will demonstrate mastery of other haircutting techniques.

M. Hairstyling

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will consult with clients to determine their needs and preferences, conduct services in a safe environment and taking measures to prevent the spread of infectious and contagious diseases, market professional salon products, use a variety of salon products while providing client services and provide styling and finishing techniques to complete a hairstyle to the satisfaction of the client.

- 1.0 Students will demonstrate the techniques of a) finger waving, b) pin curls, c) roller setting, and d) hair wrapping.
- 2.0 Students will demonstrate mastery of various blow-dry styling techniques.
- 3.0 Students will demonstrate three basic techniques of styling long hair.
- 4.0 Students will demonstrate the proper use of thermal irons.
- 5.0 Students will demonstrate various thermal iron manipulations and explain how they are used.
- 6.0 Students will describe the three types of hair pressing.
- 7.0 Students will demonstrate the procedures involved in soft pressing and hard pressing.

N. Braiding and Braid Extensions

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will provide styling and finishing techniques to complete a hairstyle to the satisfaction of the client, provide non-surgical hair additions, and consult with clients to determine their needs and preferences.

- 1.0 Students will perform a client consultation with respect to hair braiding.
- 2.0 Students will explain how to prepare the hair for braiding.
- 3.0 Students will demonstrate the procedures for the invisible braid, rope braid, and fishtail braid.

- 4.0 Students will demonstrate the procedures for single braids, with and without extensions.
- 5.0 Students will demonstrate the procedures for corn-rowing, with and without extensions.

O. Wigs and Hair Enhancements

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will provide non-surgical hair additions, consult with clients to determine their needs and preferences, and effectively market professional salon products.

- 1.0 Students will list the elements of a client consultation for wig services.
- 2.0 Students will explain the differences between human-hair and synthetic wigs.
- 3.0 Students will describe the two basic categories of wigs.
- 4.0 Students will demonstrate the procedure for taking wig measurements.
- 5.0 Students will demonstrate the procedure for putting on a wig.
- 6.0 Students will describe the various types of hairpieces and their uses.
- 7.0 Students will explain the various methods of attaching extensions.

P. Chemical Texture Services

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will perform hair relaxation and wave formation techniques in accordance with the manufactures' directions; consult with clients to determine their needs and preferences, and conduct services in a safe environment, taking measures to prevent the spread of infectious and contagious diseases.

- 1.0 Students will list the factors of a hair analysis for chemical texture services.
- 2.0 Students will explain the physical and chemical actions that take place during permanent waving.
- 3.0 Students will list and describe the various types of permanent waving solutions.
- 4.0 Students will demonstrate basic wrapping procedure: straight set, curvature wrap, bricklay wrap, weave wrap, double tool wrap, and spiral wrap.
- 5.0 Students will describe the procedure for chemical hair relaxing.
- 6.0 Students will explain the basic procedure for a soft curl permanent.

Q. Haircoloring

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will conduct a color service in accordance with a client's needs or expectations; consult with clients to determine their needs and preferences use a variety of salon products while providing client services, and conduct services in a safe environment, taking measures to prevent the spread of infectious and contagious disease.

- 1.0 Students will identify the principles of color theory and relate them to hair color.
- 2.0 Students will explain level and tone and their role in formulating haircolor.

- 3.0 Students will list the four basic categories of haircolor, explain their chemical effect on the hair, and give examples of their use.
- 4.0 Students will explain the action of hair lighteners.
- 5.0 Students will demonstrate the application techniques for: temporary colors, semi permanent colors, permanent colors, and lighteners.
- 6.0 Students will demonstrate special effects hair coloring techniques.

R. Histology of the Skin

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will provide basic skin care services, conduct services in a safe environment, and take measures to prevent the spread of infectious and contagious disease, and use appropriate methods to ensure personal health and well-being.

- 1.0 Students will describe the structure and composition of the skin.
- 2.0 Students will list the functions of the skin.
- 3.0 Students will describe the aging process and the factors that influence aging of the skin.
- 4.0 Students will define important terms relating to skin disorders.
- 5.0 Students will discuss which skin disorders may be handled in the salon and which should be referred to a physician.

S. Hair Removal

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will perform hair removal services; consult with clients to determine their needs and preferences, and conduct services in a safe environment and take measures to prevent the spread of infectious and contagious diseases.

- 1.0 Students will describe the elements of a client consultation for hair removal.
- 2.0 Students will name the conditions that contraindicate hair removal in the salon.
- 3.0 Students will identify and describe three methods of permanent hair removal.
- 4.0 Students will demonstrate the techniques involved in temporary hair removal.

T. Facials

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will consult with clients to determine their needs and preferences, conduct services in a safe environment, taking measures to prevent the spread of infectious and contagious diseases, safely using a variety of salon products while providing client services, and provide basic skin care services.

- 1.0 Students will list and describe the five main categories of professional skin care product.
- 2.0 Students will explain the different skin types and skin conditions.
- 3.0 Students identify the various types of massage movements and their physiological effects.
- 4.0 Students will list and describe the different types of electrical current used in facial treatments and the safety precautions that must be followed when working with them.

- 5.0 Students will demonstrate the procedure for a basic facial.

U. Facial Makeup

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will consult with clients to determine their needs and preferences, apply appropriate cosmetics to enhance a client's appearance, conduct services in a safe environment and take measures to prevent the spread of infectious and contagious diseases, and effectively market professional salon products

- 1.0 Students will describe the different types of cosmetics and their uses.
- 2.0 Students will demonstrate an understanding of cosmetic color theory.
- 3.0 Students will demonstrate a basic makeup procedure for any occasion.
- 4.0 Students will identify different facial types and demonstrate procedures for basic corrective makeup.
- 5.0 Students will demonstrate the application and removal of artificial lashes.
- 6.0 Students will list safety measures to be followed during makeup application.

V. Nail Structure and Growth

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will conduct services in a safe environment and take measures to prevent the spread of infectious and contagious diseases.

- 1.0 Students will describe the structure and composition of nails.
- 2.0 Students will discuss how nails grow.
- 3.0 Students will list and describe the various disorders and irregularities of nails.
- 4.0 Students will recognize diseases of the nails that should not be treated in the salon.

W. Manicuring and Pedicuring

National Skill Standard for Entry Level Cosmetologists:

Cosmetologists will provide basic manicure and pedicure services, and conduct services in a safe environment, take measures to prevent the spread of infectious and contagious diseases.

- 1.0 Students will list the abilities that make a good nail technician.
- 2.0 Students will demonstrate the proper use of implements, cosmetics, and materials used in manicuring and pedicuring.
- 3.0 Students will identify the five basic nail shapes.
- 4.0 Students will demonstrate massage techniques used when giving: a) manicure, b) pedicure.
- 5.0 Students will demonstrate a plain manicure.
- 6.0 Students will demonstrate a plain pedicure.
- 7.0 Students will list the sanitary and safety precautions that should be observed when performing a manicure or a pedicure.

X. Advanced Nail Techniques*National Skill Standard for Entry Level Cosmetologists:*

Cosmetologists will consult with clients to determine their needs and preferences use a variety of salon products while performing client services, and conduct services in a safe environment and take measures to prevent the spread of infectious and contagious diseases.

- 1.0 Students will list the pre-service and post-service steps of an artificial nail procedure.
- 2.0 Students will demonstrate the basic procedures for applying: a) tips, b) wraps, c) acrylic nails, and d) gels.
- 3.0 Students will explain the chemistry of acrylic nails.
- 4.0 Students will list the safety precautions that must be followed when applying artificial nails.

Y. The Salon Business*National Skill Standard for Entry Level Cosmetologists:*

Cosmetologists will consult with clients to determine their needs and preferences, interact effectively with coworkers as part of a team, manage time to provide efficient client service, take necessary steps to develop and retain clients, market professional salon products, maintain business records on client development, income, and expenses, manage product supply for salon use and retail sales, and participate in lifelong learning to stay current with trends, technology, and techniques pertaining to the cosmetology industry.

- 1.0 Students will list the two ways in which you may go into business for yourself.
- 2.0 Students will list the factors to consider when opening a salon.
- 3.0 Students will name and describe the types of ownership under which a salon may operate.
- 4.0 Students will explain the importance of keeping accurate business records.
- 5.0 Students will discuss the importance of the reception area to a salon's success.
- 6.0 Students will demonstrate good salon telephone techniques.
- 7.0 Students will list the most effective forms of salon advertising.

Z. Seeking Employment*National Skill Standard for Entry Level Cosmetologists:*

Cosmetologists will learn how to prepare for a successful career.

- 1.0 Students will discuss the essentials of becoming test-wise.
- 2.0 Students will explain the steps involved in preparing for employment.
- 3.0 Students will list and describe the different types of salon businesses.
- 4.0 Students will write an achievement-oriented resume and prepare an employment portfolio.
- 5.0 Students will explain how to explore the job market and research potential employers.
- 6.0 Students will be prepared to complete an effective employment interview.

AA. On the Job*National Skill Standard for Entry Level Cosmetologists:*

Cosmetologists will interact effectively with coworkers as part of a team, manage time to provide efficient client services, take the necessary steps to develop and retain clients, market professional salon products, maintain business records on client development, income, and expenses, and participate in lifelong learning to stay current with trends, technology, and techniques pertaining to the cosmetology industry.

- 1.0 Students will describe the qualities that help a new employee succeed in a service profession.
- 2.0 Students will list the habits of a good salon team player.
- 3.0 Students will explain the function of a job description.
- 4.0 Students will describe three different ways in which salon professionals are compensated.
- 5.0 Students will create a personal budget.
- 6.0 Students will list the principles of selling products and services in the salon.
- 7.0 Students will list the most effective ways to build a client base.

BB. Co-op Work Program, SkillsUSA and State Board Exam

- 1.0 Students will apply cosmetology skills in a Co-op position so as to generate positive evaluations.
- 2.0 Students will demonstrate and participate in leadership and/or practical skills as a member of SkillsUSA.
- 3.0 Students will apply for the Cosmetology State Board Exam and submit the fee required for certification.

APPENDIX

Career Advisory Board Members & Business Partners

Career Program Data Review

Career Program of Study

COSMETOLOGY

Delcastle Technical High School

Hodgson Voc. Technical High School

Howard High School of Technology

Grade 9

MATH (M)

3140 Math Concepts	1
3150 Math Applications	1
3170 Algebra	1
3710 Algebra	1
3300 Integrated Math 1	1
3400 Integrated Math 2	1
3500 Integrated Math 3	1
_____	_____
_____	_____

ENGLISH (ELA)

2210 English	1
2110 English	1
_____	_____
_____	_____

SCIENCE (S)

4200 Physical Science	1
4110 Physical Science	1
_____	_____
_____	_____

SOCIAL STUDIES (SS)

5200 Global Studies	1
5110 Global Studies	1
_____	_____
_____	_____

VOCATIONAL and OTHER COURSES

1910 T. C. Exploration	2	_____	_____
3200 PASS Math	0.5	2200 PASS Literacy	0.5
3100 PASS Math	0.5	2100 PASS Literacy	0.5
_____	_____	_____	_____
_____	_____	_____	_____

Grade 10

MATH (M)

3150 Math Applications	1
3170 Algebra	1
3300 Integrated Math 1	1
3400 Integrated Math 2	1
3500 Integrated Math 3	1
_____	_____
_____	_____

ENGLISH (ELA)

2220 English	1
2120 English	1
_____	_____
_____	_____

SCIENCE (S)

4300 Biology	1
4120 Biology	1
_____	_____
_____	_____

SOCIAL STUDIES (SS)

5300 Civics/Economics	1
5120 Civics/Economics	1
_____	_____
_____	_____

VOCATIONAL and OTHER COURSES

(3 VOCATIONAL CREDITS ARE REQUIRED.)

1512 Cosmetology 1	_____	Driver Education	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Note: The grade in which Health and Physical Education are offered varies from school to school.

Grade 11

MATH (M)

3170 Algebra	1
3400 Integrated Math 2	1
3500 Integrated Math 3	1
3750 Intermediate Algebra	1
3820 Stat/Algebra	1
_____	_____
_____	_____

ENGLISH (ELA)

2230 English	1
2130 English	1
2235 Honors English	1
_____	_____
_____	_____

SCIENCE (S)

4400 Integrated Science	1
4170 Integrated Science	1
4500 Chemistry*	1
4600 Physics*	1
_____	_____
_____	_____

SOCIAL STUDIES (SS)

5400 U.S. History	1
5130 U.S. History	1
_____	_____
_____	_____

VOCATIONAL and OTHER COURSES

(3 VOCATIONAL CREDITS ARE REQUIRED.)

1513 Cosmetology 2	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Grade 12

MATH (M)

3310 Integrated Math I CT	1
3500 Integrated Math 3	1
3750 Intermediate Algebra	1
3820 Stat/Algebra	1
3950 Pre Calculus A	1
3960 Pre Calculus B	1
_____	_____
_____	_____

ENGLISH (ELA)

2240 English	1
2140 English	1
2245 Honors English	1
2245 Co-op English	1
_____	_____
_____	_____

SCIENCE (S)

4500 Chemistry*	1
4600 Physics*	1
4700 Environmental Sci.*	1
4130 Environmental Sci.*	1
_____	_____
_____	_____

SOCIAL STUDIES (SS)

5500 World History*	1
5600 Cont. Citizenship	1
5910 Law & Order	0.5
5810 Intro. to Sociology	0.5
5920 Intro. to Psychology	0.5
_____	_____
_____	_____

VOCATIONAL and OTHER COURSES

(3 VOCATIONAL CREDITS ARE REQUIRED.)

1514 Cosmetology 3	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(PR) Denotes a program requirement

* Denotes prerequisites must be met in order to enroll.

Graduation Requirements:

Total = 24.5/26.5

Vocational = 9/10 credits

ELA = 4 credits

M = 3/4 credits

SS = 3/4 credits, to include U.S. History

S = 3/4 credits, to include Biology & a physical science

Health = 0.5 credits

Phys. Ed. = 1.0 credits

NCCVT School District

Board of Education

John F. Lynch, Jr., President
John J. McMahon, Jr., Vice President
Ray W. Christian
Arnetta McRae, Esq.
Yvette Santiago
Mark S. Stellini
Robert H. Strong
Steven H. Godowsky, Ed.D., Superintendent/Executive Secretary

District MISSION STATEMENT

The New Castle County Vocational-Technical School District is dedicated to the development of competent, caring and productive students for a diverse and changing society through high standards, quality teaching, instructional technology, and community partnerships.

9/4/09



