

School District of Osceola County 2019-2020

Career Cluster: Health Science

CTE Program: *Secondary-* Biomedical Sciences 8708100
 Postsecondary-Medical Laboratory Assisting (H170306)

Career Cluster Pathway: Biotechnology Research & Development

Secondary and Postsecondary Industry Certifications:
 Biotechnician Assistant (CERHB001) to Biotechnology
 See additional certifications on page 2

16 CORE CURRICULUM CREDITS

8 ADDITIONAL CREDITS



ENGLISH
4 credits

MATH
4 credits

SCIENCE
3 credits,
2 with lab

SOCIAL STUDIES
3 credits

OTHER REQUIRED COURSES
FINE OR PRACTICAL ARTS (1 credit)
PHYSICAL EDUCATION (1 credit)

CAREER AND TECHNICAL EDUCATION COURSES

RECOMMENDED ELECTIVES

(ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)

HIGH SCHOOL

- Students are encouraged to begin planning for careers and postsecondary options by exploring resources at mycareershines.org
- Students are also encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.
- One Course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program.

9

[English I*](#)

Algebra I (required)

Physical Science

Global Studies or World Geography

Physical Education (1 credit)
(Not required for ACCEL Program)

Principles of the Biomedical Sciences

Foreign Language for SUS admission or other elective appropriate for student's career and education plan.

10

English II

Algebra II

Biology (required)

World History

Human Body Systems

Foreign Language for SUS admission or other elective appropriate for student's career and education plan.

11

English III

Geometry (required)

Chemistry

American History

Fine or Practical Arts Course (1 credit)

Medical Interventions

Other elective course appropriate for student's career and education plan.

12

English IV

Calculus or Trig

Physics

American Govt/Economics

Biomedical Innovation

Other elective course appropriate for student's career and education plan.

POSTSECONDARY

Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.

TECHNICAL COLLEGE PROGRAM(S)

STATE COLLEGE C.C.C. /A.S. PROGRAM(S)

UNIVERSITY/STATE COLLEGE FOUR-YEAR PROGRAM(S)

[Osceola Technical College](#)

[Medical Laboratory Assisting \(H170306\)](#) PSAV certificate – 465 hours

[VALENCIA COLLEGE PROGRAM\(S\)](#)

[College Credit Certificate \(C.C.C.\)](#)
[Biotechnology Laboratory Specialist](#)

[A.S. Degrees](#)
[Biotechnology Laboratory Sciences](#)

[University of Central Florida](#)
[Medical Laboratory Sciences B.S.](#)
[Biomedical Science B.S.](#)
[Biotechnology B.S.](#)

[Florida State College at Jacksonville](#)
[Biomedical Science B.S.](#)

[Valencia College Transfer Agreements – Private Universities](#)

CAREER	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)		
		Healthcare Support Workers, All Other – SOC Code: 31-9099 Receptionists and Information Clerks – SOC Code: 43-4171 Medical Assistants - SOC Code: 31-9092	Clinical Laboratory Technologists and Technicians – SOC Code: 29-2010
CREDIT	Articulation and CTE Dual Enrollment Opportunities		
	Secondary to Technical College (PSAV) (Minimum # of clock hours awarded)	Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded)	PSAV/PSV to AAS or AS/BS/BAS (Statewide and other local agreements may be included here)
	Osceola Technical College Kissimmee Campus Medical Laboratory Assisting (H170306) – 75 hours	Valencia Articulation for Statewide Industry Certification Biotechnician Assistant (CERHB001) to BSC 1421C <i>Introduction to Biotechnology (4 college credits)</i> in Biotechnology Lab Sciences at the college.	Valencia Articulation Completion of Medical Laboratory Assisting program at Osceola Technical College awards 4 credits in Valencia's Biotechnology Laboratory Sciences A.S. degree. Any A.A. or A.S. degree or at least 60 college credit hours from a regionally accredited institution transfers to Valencia's B.A.S. Business and Organizational Leadership Degree
Other Industry Certifications	Biotechnician Assistant (CERHB001) to Biotechnology Laboratory Technology (S/P) <i>S = Secondary, P = Postsecondary, and S/P = Both Secondary and Postsecondary</i>		
Career & Technical Student Assoc.	HOSA, SkillsUSA		
Internship Work Exp: Opportunities	Internship/Work Experience Recommendations are made by the CTE Teacher		

*Florida Department of Education Graduation Requirements: <http://www.fldoe.org/academics/graduation-requirements/index.stml>