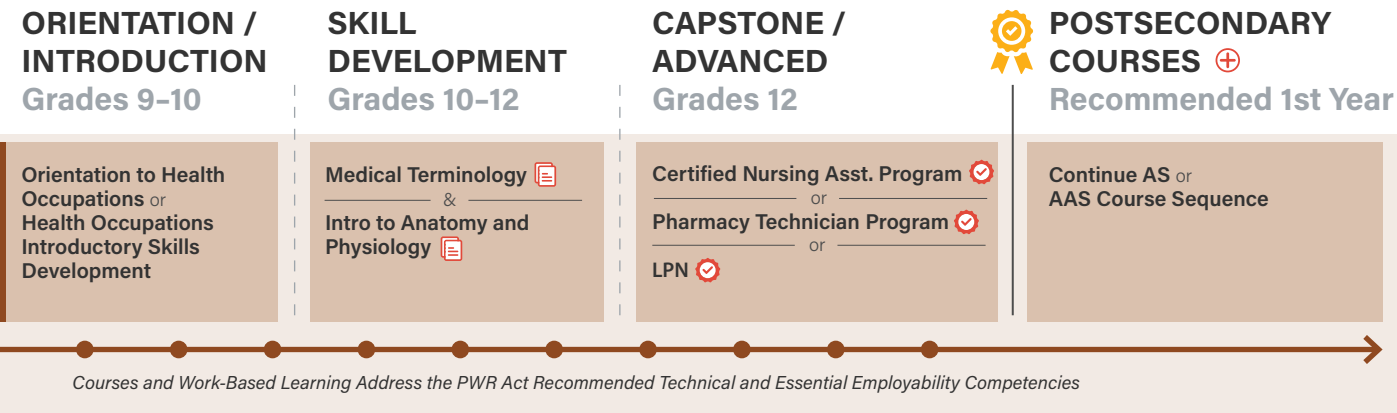
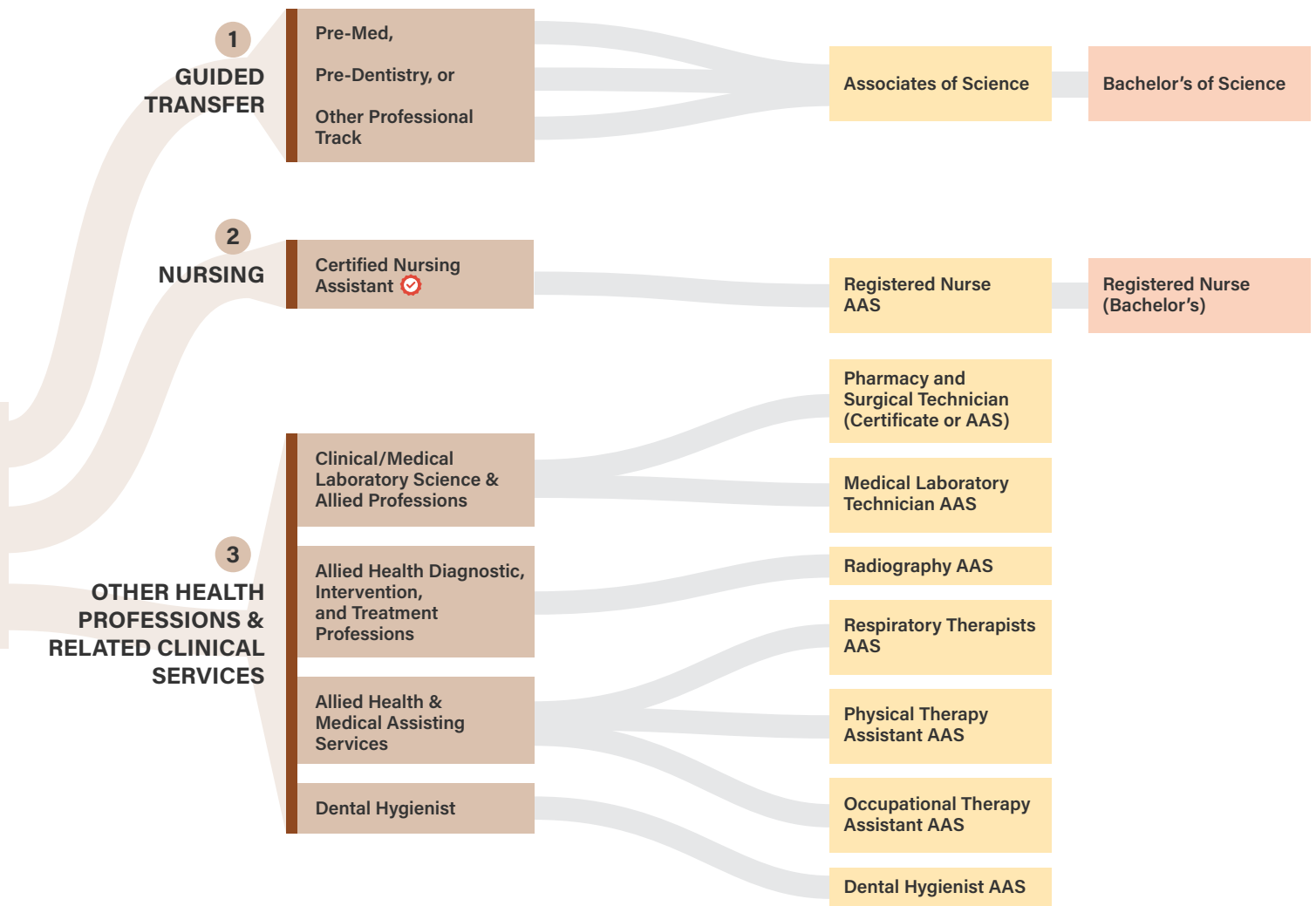


Model Programs of Study Guide: Health Sciences



POSTSECONDARY OPTIONS



CAREER FOCUSED COURSES

- ORIENTATION / INTRODUCTION (Grades 9-10):** Orientation to Health Occupations or Health Occupations Introductory Skills Development
- SKILL DEVELOPMENT (Grades 10-12):** Medical Terminology & Intro to Anatomy and Physiology
- CAPSTONE / ADVANCED (Grades 12):** Certified Nursing Asst. Program or Pharmacy Technician Program or LPN
- POSTSECONDARY COURSES (Recommended 1st Year):** Continue AS or AAS Course Sequence

WORK-BASED LEARNING

- Career Exploration (2):** Team-Based Challenge, e.g. HOSA, SkillsUSA, and others
- Team-Based Challenge, e.g. HOSA, SkillsUSA, and others:** Career Development Experience or Youth Apprenticeship
- Team-Based Challenge, e.g. HOSA, SkillsUSA, and others:** Career Development Experience or Apprenticeship

SCIENCE

- Science Sequence:** Biology, Chemistry
- Biology >>:** Biology, General Chemistry, Anatomy & Physiology
- Chemistry >>:** Biology, General Chemistry, Anatomy & Physiology

SOCIAL SCIENCE

- Social Science Sequence:** Social Science Sequence, Psychology, Sociology
- Psychology >>:** Psychology, Sociology

MATH

- Algebra:** Algebra, Geometry, Pre-Calculus, Calculus, General Education Math
- Geometry:** Geometry, Algebra 2, Pre-Calculus, Calculus, General Education Math
- Transitional Math: Quantitative Literacy Statistics:** Pre-Calculus, Calculus, General Education Math
- General Education Math:** General Education Math

ENGLISH

- English Sequence:** English Sequence, Transitional English, English Composition, Oral Communication
- Transitional English:** Transitional English, English Composition, Oral Communication
- English Composition >>:** English Composition, Oral Communication

SELECTED OCCUPATIONS, WAGES, & JOB GROWTH

| Program | Typical Job | Near or Above Living Wage Threshold for 1 Adult + 1 Child ¹ | Median Hourly Wage ² | Growth in TN: Annual Job Openings ² | Growth in TN: % Change Over 10 years ² | Stackable? |
|---|---|--|---------------------------------|--|---|---|
| 1 Pre-Professional Track | Pediatricians, General | Y | \$87.50 | 30 | 3% | Typically Requires Bachelor's Degree & Prof. School |
| | Dentists | Y | \$81.80 | 70 | 12% | |
| 2 Nursing / Registered Nurse | Nursing Assistants | N | \$14.68 | 4290 | 15% | Typically Required for LPN or RN Can Stack to RN at Select TN Colleges Can Stack to BSN at Select TN Colleges |
| | Licensed Practical and Licensed Vocational Nurses | N | \$22.56 | 2520 | 17% | |
| | Registered Nurses | Y | \$29.56 | 4700 | 17% | |
| 3 Surgical Technology, Medical & Laboratory Tech., Radiography, Respiratory Therapy, Physical Therapist Assistant, Occupational Therapy Assistant | Surgical/Pharmacy Technicians | N | \$24.41 \$17.43 | 260/880 | 18%/12% | Not Typically Stackable |
| | Medical and Clinical Laboratory Technologists | N | \$26.77 | 860 | 20% | |
| | Radiologic Technologists | Y | \$28.61 | 360 | 16% | |
| | Respiratory Therapists | Y | \$29.25 | 290 | 31% | |
| | Physical Therapist Assistants | Y | \$29.81 | 560 | 35% | |
| Occupational Therapy Assistants | Y | \$29.50 | 170 | 27% | | |
| 3 Dental Hygiene | Dental Hygienists | Y | \$36.70 | 330 | 14% | Not Typically Stackable |

1. Living wage calculations are based on MIT's Living Calculator (livingwage.mit.edu), where the "Living Wage" for 1 Adult + 1 Child is \$33.72/hour for the state of Tennessee. "Near" defined as 85% of the statewide living wage, which is \$28.66/hour
 2. U.S. Department of Labor, CareerOnestop (careeronestop.org/explorecareers)

- >> AP or Dual Credit
- 📖 Dual Enrollment
- 🏆 Course or Program Prepares for Industry Credential
- 🎖️ College and Career Pathway Endorsement Earned
- ⊕ If courses in this column were accomplished through early college credit, students should take the next required course in the sequence or, if none, additional AAS or Major Courses