

## DIALYSIS TECHNICIAN

### Dialysis Technology (Diploma) (D45300)

The Dialysis Technology curriculum provides individuals with the theoretical/clinical skills to care for patients/clients being treated for acute/chronic renal diseases.

Students will care for patients/clients undergoing dialysis and will maintain dialysis equipment.

Graduates of this program may be eligible to take the Certification Examination for Nephrology Technicians following one year of work experience.

Employment opportunities include hospitals, renal dialysis facilities, and clinics.

#### COURSE REQUIREMENTS

Richmond Community College provides day and evening course sequences for selected programs to enable students to better plan what courses to take to reach their educational goals. However, given the continued increase in the use of technology in instruction and increasing student demand for distance learning courses, the College may offer hybrid, online, web-based and information highway courses in place of traditional courses in any course sequence that is listed. Therefore, students should be aware of this possibility and prepare themselves to successfully function in a hybrid, online, web-based, or information highway course.

|   |     |                                     |  | Class | Lab | Work/<br>Clinical | Credit    |
|---|-----|-------------------------------------|--|-------|-----|-------------------|-----------|
| <b>A. General Education Courses</b>   |     |                                     |  |       |     |                   |           |
| 1. Required Courses   |     |                                     |  |       |     |                   |           |
| ENG   | 111 | Expository Writing                  |  | 3     | 0   | 0                 | 3         |
| BIO   | 163 | Basic Anatomy & Physiology          |  | 4     | 2   | 0                 | 5         |
| <b>B. Major Courses</b>   |     |                                     |  |       |     |                   |           |
| 1. Core Courses   |     |                                     |  |       |     |                   |           |
| <i>To receive a degree, diploma or certificate from RCC, a student must have a grade of "C" or better in all core courses for the program of study.</i> |     |                                     |  |       |     |                   |           |
| DIA   | 101 | Introduction to Dialysis Technology |  | 5     | 6   | 12                | 11        |
| DIA   | 102 | Dialysis for Special Populations    |  | 5     | 3   | 15                | 11        |
| DIA   | 103 | Ethical/Legal Issues in Dialysis    |  | 3     | 0   | 0                 | 3         |
| DIA   | 104 | Care of the Complex Renal Patient   |  | 1     | 0   | 12                | 5         |
| 2. Other Major Courses  |     |                                     |  |       |     |                   |           |
| CIS   | 110 | Introduction to Computers           |  | 2     | 2   | 0                 | 3         |
| MED   | 121 | Medical Terminology I               |  | 3     | 0   | 0                 | 3         |
| <b>C. Other Required Courses</b>  |     |                                     |  |       |     |                   |           |
| ACA   | 122 | College Transfer Success            |  | 0     | 2   | 0                 | 1         |
| <b>Total Credit Hours</b>   |     |                                     |  |       |     |                   | <b>45</b> |

**SEMESTER SCHEDULE  
DIALYSIS TECHNOLOGY**

|                                     |     |                                     | Class | Lab | Work/<br>Clinical | Credit    |
|-------------------------------------|-----|-------------------------------------|-------|-----|-------------------|-----------|
| <b>First Year – Fall Semester</b>   |     |                                     |       |     |                   |           |
| ACA                                 | 122 | College Transfer Success            | 0     | 2   | 0                 | 1         |
| DIA                                 | 101 | Introduction to Dialysis Technology | 5     | 6   | 12                | 11        |
| MED                                 | 121 | Medical Terminology I               | 3     | 0   | 0                 | 3         |
|                                     |     |                                     | —     | —   | —                 | —         |
|                                     |     |                                     | 8     | 6   | 12                | 15        |
| <b>First Year – Spring Semester</b> |     |                                     |       |     |                   |           |
| BIO                                 | 163 | Basic Anatomy & Physiology          | 4     | 2   | 0                 | 5         |
| DIA                                 | 102 | Dialysis for Special Populations    | 5     | 3   | 15                | 11        |
|                                     |     |                                     | —     | —   | —                 | —         |
|                                     |     |                                     | 9     | 5   | 15                | 16        |
| <b>First Year – Summer Semester</b> |     |                                     |       |     |                   |           |
| CIS                                 | 110 | Introduction to Computers           | 2     | 2   | 0                 | 3         |
| DIA                                 | 103 | Ethical/Legal Issues in Dialysis    | 3     | 0   | 0                 | 3         |
| DIA                                 | 104 | Care of the Complex Renal Patient   | 1     | 0   | 12                | 5         |
| ENG                                 | 111 | Writing and Inquiry                 | 3     | 0   | 0                 | 3         |
|                                     |     |                                     | —     | —   | —                 | —         |
|                                     |     |                                     | 9     | 2   | 12                | 14        |
| <b>Total Credit Hours</b>           |     |                                     |       |     |                   | <b>45</b> |

Program Completion Guide  
**DIALYSIS TECHNOLOGY (DIPLOMA) (D45300)**  
**Dialysis Technician**

Student Name: \_\_\_\_\_ ID #: \_\_\_\_\_ Date of Enrollment: \_\_\_\_\_

**Section I: Developmental Courses (if needed)**

| Courses                                | Scores    | Cr. | Prerequisites/<br>Corequisites             | Grade | Notes/Semester |
|--|-----------|-----|--|-------|----------------|
| DMA 010 Operations with Integers       | <7 on DAP | 1   | Pre: None                                  |       |                |
| DMA 020 Fractions and Decimals         | <7 on DAP | 1   | Pre: DMA 010                               |       |                |
| DMA 030 Propor/Ratio/Rate/Percent      | <7 on DAP | 1   | Pre: DMA 010-020                           |       |                |
| DMA 040 Express/Lin Equat/Inequal      | <7 on DAP | 1   | Pre: DMA 010-030 or MAT 060                |       |                |
| DMA 050 Graphs/Equations of Lines      | <7 on DAP | 1   | Pre: DMA 010-040<br>or DMA 040 and MAT 060 |       |                |
| DRE 096 Integrated Reading and Writing | 104-116   | 3   | Pre: None<br>Co: CIS 070                   |       |                |
| DRE 097 Integrated Reading Writing II  | 117-135   | 3   | Pre: DRE 096<br>Co: CIS 070                |       |                |
| DRE 098 Integrated Reading Writing III | 136-150   | 3   | Pre: DRE 097<br>Co: CIS 070                |       |                |

**Section II:**

**A. Dialysis Technology (D45300) Course Requirements 45 credit hours: Complete Section I (as required) and Section II, A.**

| Courses                                   | Cr. | Recommended Semester          | Prerequisites/<br>Corequisites                                 | Semester Registered/<br>Planned | Semester Completed/<br>Grade |
|---|-----|-------------------------------|--|---------------------------------|------------------------------|
| ACA 122 College Transfer Success          | 1   | 1 <sup>st</sup> year – fall   | None   |                                 |                              |
| DIA 101 Intro to Dialysis Technology*     | 11  | 1 <sup>st</sup> year – fall   | Pre: DMA 010-050, DRE 098                                      |                                 |                              |
| MED 121 Medical Terminology I             | 3   | 1 <sup>st</sup> year – fall   | Pre: DRE 098 or ENG 090 and<br>RED 090                         |                                 |                              |
| BIO 163 Basic Anatomy & Physiology        | 5   | 1 <sup>st</sup> year – spring | Pre: DMA 010-050 or MAT 070,<br>DRE 098 or ENG 090 and RED 090 |                                 |                              |
| DIA 102 Dialysis for Special Populations* | 11  | 1 <sup>st</sup> year – spring | Pre: DIA 101   |                                 |                              |
| CIS 110 Introduction to Computers         | 3   | 1 <sup>st</sup> year – summer | Pre: DRE 097<br>Co: DRE 098                                    |                                 |                              |
| DIA 103 Ethical/Legal Issues in Dialysis* | 3   | 1 <sup>st</sup> year – summer | Pre: DIA 102   |                                 |                              |
| DIA 104 Care of the Complex Renal System* | 5   | 1 <sup>st</sup> year – summer | Pre: DIA 102   |                                 |                              |
| ENG 111 Writing and Inquiry               | 3   | 1 <sup>st</sup> year – summer | Pre: DRE 098 or ENG 090 and<br>RED 090<br>Co: ACA 122          |                                 |                              |

**NOTES:** \*All courses must be completed with a grade of "C" or better.

\*\*See course catalog for prerequisite and/or corequisite requirements.

**Students please read the following and sign below.**

I understand that as an RCC student, I am ultimately responsible for my schedule. I understand that I must complete each course with a grade of "C" or better and follow the established course sequence or my ability to graduate on time may be affected.

My advisor has information regarding other colleges and transfer opportunities that I can investigate after completing my degree/diploma/certificate, and I understand that if I would like more information I can schedule an appointment with him/her.

Student Name: \_\_\_\_\_ Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Advisor Name: \_\_\_\_\_ Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student Name: \_\_\_\_\_ Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Advisor Name: \_\_\_\_\_ Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student Name: \_\_\_\_\_ Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Advisor Name: \_\_\_\_\_ Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_