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| Program: EUT.AAS Electric Utility Technology AAS (63 credits) | Division: STEM |
| Student: | ID#: |
| Catalog Year: 2021-22 | |

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|-----------------------------------------------|-------------|-----------------------------|--------------------------|--------------------------|------------------------|------------------------------|---------|----------------------|
| Developmental Education Courses (if required) | | | | <input type="checkbox"/> | COM-017/019 | Foundational Reading/Writing | | |
| <input type="checkbox"/> | EAP-018 | Intensive Academic English | <input type="checkbox"/> | MAT-020 | Basics of College Math | <input type="checkbox"/> | COM-097 | Academic Literacy I |
| <input type="checkbox"/> | EAP-050/060 | EAP Reading I and Writing I | <input type="checkbox"/> | MAT-03_ | | <input type="checkbox"/> | COM-098 | Academic Literacy II |

SEMESTER BY SEMESTER MAP FOR FULL-TIME STUDENTS

Courses are listed in preferred order of completion. Plans may be modified by adding more semesters.

| FALL SEMESTER I – (16 credits) | | | | | |
|--------------------------------|--------------------|-------------------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------|-----------|
| √ | Course# | Course Name | Cr. | Pre-requisites/ Co-requisites | Semesters |
| | CSS-103* | College Success Strategies | 3 | | All & OL |
| | MAT-110 | Intermediate Algebra | 3 | MAT-035 (Algebra I with Quadratics) with grade of "C" or higher, or appropriate placement test score; COM-098 or EAP-050 and EAP-060 | All & OL |
| | EUT-110 | Electrical Systems & Wiring | 4 | MAT-110, EUT-100 | Fall |
| | EUT-100 or EUT-101 | Electric Utility Technology I | 6 | | Fall |

| SPRING SEMESTER 1 – (16 credits) | | | | | |
|----------------------------------|--------------------|-----------------------------------|-----|--------------------------------------------------------|-------------|
| √ | Course# | Course Name | Cr. | Pre-requisites/ Co-requisites | Semesters |
| | COM-121* | English Composition I | 3 | COM-098 or EAP-050 and EAP-060 (C or better) | All & OL |
| | IFT-110* | Microcomputer Applications | 3 | COM-098-or EAP-050 and EAP-060 | All & OL |
| | PHY-150 | Applied Physics | 4 | COM-098 or EAP-050 and EAP-060, MAT-110 | Fall/Spring |
| | EUT-120 or EUT-121 | Electricity Utility Technology II | 6 | EUT-100 if taking EUT-120 EUT-101 if taking EUT-121 | Spring |

| FALL SEMESTER 2 – (16 credits) | | | | | |
|--------------------------------|--------------------|-----------------------------------------------|-----|--------------------------------------------------------|-----------|
| √ | Course# | Course Name | Cr. | Pre-requisites/ Co-requisites | Semesters |
| | COM-141 | Technical Writing | 3 | COM-121 or COM-122 (C or better) | All & OL |
| | PSY-120 | Interpersonal Relations & Communications | 3 | COM-097 or EAP-040 and EAP-020 (C or better) | All & OL |
| | EUT-130 | Transformers, Power Generation & Distribution | 4 | EUT-110 | Fall |
| | EUT-200 or EUT-201 | Electric Utility Technology III | 6 | EUT-120 if taking EUT-200 EUT-121 if taking EUT-201 | Fall |

| SPRING SEMESTER 2 – (15 credits) | | | | | |
|----------------------------------|--------------------|--------------------------------|-----|---------------------------------------------------------------------------------------------|-----------|
| √ | Course# | Course Name | Cr. | Pre-requisites/ Co-requisites | Semesters |
| | PHI-275* | Ethics | 3 | COM-121 or COM-122 | All |
| | ENV-130* | The Environment | 3 | COM-098 (Academic Literacy II) or EAP-050 and EAP-060, or appropriate placement test score. | All & OL |
| | SOC-130* | Sociology | 3 | COM-098 or EAP-050 and EAP 060 (C or better) | All & OL |
| | EUT-220 or EUT-221 | Electric Utility Technology IV | 6 | EUT-200 if taking EUT-220 EUT-201 if taking EUT-221 | Spring |

*Sections of these courses offered in the Honors Program, check <https://www.racc.edu/academics/honors-program> for details. **Online (OL)** may not be offered every semester. Please check the schedule.

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|------------------------------|--------------------|-----------------------------------------|
| Date created: September 2019 | Updated: July 2021 | All = Fall/Spring/Summer OL = Online |
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Line Worker Track

| Major Courses (MAJ): Line Worker Track | | | | |
|-----------------------------------------------|-----------------------------------------------|------------|--------------------------------------|------------------|
| Course# | Course Name | Cr. | Pre-requisites/ Co-requisites | Semesters |
| EUT-100 | Electric Utility Technology I - Line | 6 | | Fall |
| EUT-110 | Electrical Systems & Control Wiring | 4 | MAT-110, EUT-100 | Fall |
| EUT-120 | Electric Utility Technology II -Line | 6 | EUT-100 | Spring |
| EUT-130 | Transformers, Power Generation & Distribution | 4 | EUT-110 | Fall |
| EUT-200 | Electric Utility Technology III - Line | 6 | EUT-120 | Fall |
| EUT-220 | Electric Utility Technology IV - Line | 6 | EUT-200 | Spring |

Substation Worker Track

| Major Courses (MAJ): Substation Worker Track | | | | |
|-----------------------------------------------------|-----------------------------------------------|------------|--------------------------------------|------------------|
| Course# | Course Name | Cr. | Pre-requisites/ Co-requisites | Semesters |
| EUT-101 | Electric Utility Technology I - Substation | 6 | | Fall |
| EUT-110 | Electrical Systems & Control Wiring | 4 | MAT-110, EUT-100 | Fall |
| EUT-121 | Electric Utility Technology II -Substation | 6 | EUT-101 | Spring |
| EUT-130 | Transformers, Power Generation & Distribution | 4 | EUT-110 | Fall |
| EUT-201 | Electric Utility Technology III Substation | 6 | EUT-121 | Fall |
| EUT-221 | Electric Utility Technology IV-Substation | 6 | EUT-201 | Spring |

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