



NEW PROGRAM PROPOSAL FORM

Sponsoring Institution(s): Ranken Technical College

Program Title: Major Appliance Technology

Degree/Certificate: Associate of Technology

Options: Click here to enter text.

Delivery Site(s): 4431 Finney Avenue, St. Louis, MO 63113

CIP Classification: 47.0106

*CIP code can be cross-referenced with programs offered in your region on MDHE's program inventory highered.mo.gov/ProgramInventory/search.jsp

Implementation Date: January 2013

Cooperative Partners: Click here to enter text.

*If this is a collaborative program, form CL must be included with this proposal

AUTHORIZATION:

Donald J. Pohl/Executive Vice President

5-21-2016

Name/Title of Institutional Officer

Signature

Date

June Poletti

314-286-4817

Person to Contact for More Information

Telephone



STUDENT ENROLLMENT PROJECTIONS

Year	1	2	3	4	5
Full Time	7	18	10	10	15
Part Time					
Total	7	18	10	10	15

Please provide a rationale regarding how student enrollment projections were calculated:

Years 1-4 are based on current enrollment. We project to maintain this rate of enrollment.

Provide a rationale for proposing this program, including evidence of market demand and societal need supported by research:

Home appliances play an essential role in the daily routine of the average American household. Accordingly, there has been a tremendous rise in the quantity and variety of household electrical appliances marketed today. Because many of these are complex appliances, a greater degree of knowledge is required to diagnose and service the systems efficiently. Annual projected job openings in the state of Missouri for Home Appliance Repairers is 20. Projected growth from 2012 to 2022 is an average of 2% per year.



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PROGRAM STRUCTURE

A. Total credits required for graduation: 76

B. Residency requirements, if any: _____

C. General education: Total credits: 24

Courses (specific courses OR distribution area and credits):

Course Number	Credits	Course Title
ENG1101	3	College Composition I
ENG2102	3	College Composition II
COM1105	3	Oral Communications
SOC1206 or PSY1206	3	Principles of Sociology OR Introduction to Psychology
MTH1110	3	Elementary Algebra
MTH1111	3	Intermediate Algebra
MNG1204	3	Introduction to Business & Management
BUS1000	3	Career Success Skills

D. Major requirements: Total credits: 52

Course Number	Credits	Course Title
HVA1011	5	Fundamentals of Heat Transfer & Domestic Applications Theory
HVA1012	8	Fundamentals of Heat Transfer & Domestic Applications Shop
HVA1001	5	Electrical for HVACR Theory
HVA1002	8	Electrical for HVACR Shop
HVA2111	5	Residential Heat/Air & Commercial Ice Makers Theory
HVA2112	8	Residential Heat/Air & Commercial Ice Makers Shop
MAT2211	5	Major Appliances Technology Theory
MAT2212	8	Major Appliances Technology Shop

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E. Free elective credits:

none

(Sum of C, D, and E should equal A.)

F. Requirements for thesis, internship or other capstone experience:

none

G. Any unique features such as interdepartmental cooperation:

none



PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

Institution Name Ranken Technical College
Program Name Major Appliance Technology
Date 3-21-16

(Although all of the following guidelines may not be applicable to the proposed program, please carefully consider the elements in each area and respond as completely as possible in the format below. Quantification of performance goals should be included wherever possible.)

1. Student Preparation

- Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.

No special preparation will be required. Students must complete an application; submit a copy of their high school diploma, final high school transcript or GED certificate; take the Compass Placement Test for Reading, Math and Writing or submit ACT scores in Reading (16 or higher), Math (17 or higher) and composition (7 or higher); pay the \$95 non-refundable registration fee.

- Characteristics of a specific population to be served, if applicable.
None.

2. Faculty Characteristics

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.

Faculty must understand the mechanical workings of major appliances such as washers, dryers, dishwashers, microwaves, ranges, and refrigerators and possess two years of successful full-time occupational experience with written verification. Knowledge of research, current trends, and best practices in Major Appliance subject area.

- Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here.
Each full time faculty member teaches 13-credit hours of course material.
- Expectations for professional activities, special student contact, teaching/learning innovation.

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Faculty are expected to travel to area schools and industry to promote the program. Work closely with program advisory committee to maintain and enhance curriculum and assess program outcomes.

3. Enrollment Projections

- Student FTE majoring in program by the end of five years.
We expect to have 15 students enrolled during year five of the program
- Percent of full time and part time enrollment by the end of five years.
100 % full time enrollment

4. Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.
Year 3: 14 graduates Year 5: 15 graduates
- Special skills specific to the program.
The graduate earning the associate of technology, associate of science or certificate of technology will be able to efficiently troubleshoot and diagnosis mechanical and electrical malfunctions on residential appliances using tech sheets, wiring diagrams and owner's manuals; return the appliance to manufactures specifications for safe and proper operation; and manage and resolve customer satisfaction associated with appliance installation.
- Proportion of students who will achieve licensing, certification, or registration.
No specific license or national certification will be earned with this program
- Performance on national and/or local assessments, e.g., percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected results on assessments of general education and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.
There is not a nationally recognized assessment test at this time.
- Placement rates in related fields, in other fields, unemployed.
90% of students are placed within 6 months of graduation
- Transfer rates, continuous study.
90% of students will receive a dual degree in Major Appliance Technology and Heating/Ventilation/Air Conditioning from Ranken

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5. Program Accreditation

- Institutional plans for accreditation, if applicable, including accrediting agency and timeline. **If there are no plans to seek specialized accreditation, please provide a rationale.**

Ranken Technical College is accredited by The Higher Learning Commission.

6. Alumni and Employer Survey

- Expected satisfaction rates for alumni, *including timing and method of surveys*. Alumni will be invited to serve on departmental advisory boards that provide advice and information to keep faculty up to date on recent trends in industry.
- Expected satisfaction rates for employers, including timing and method of surveys. Employers who hire graduates are invited to serve on departmental advisory boards that provide advice and information to keep programs up-to-date on recent trends in their industry. These vital contributions ensure that Ranken's curriculum stays on the leading edge of the industries we serve.

7. Institutional Characteristics

- Characteristics demonstrating why your institution is particularly well-equipped to support the program.

Through a unique combination of classroom education and hands-on instruction, each student is fully educated to be successful in his or her technical field of choice. Our education formula is founded on success and career development. The formula for a student's success is based upon three equal components: technical education, general education, and work ethic.