HENRY FORD COMMUNITY COLLEGE
CAPITAL OUTLAY PLAN
FY2015

Updated November 1, 2013

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Introduction

Henry Ford Community College (HFCC) has been a leader in the educational arena for seventy five years. The College has worked diligently to achieve and maintain a recognized reputation for excellence. Students enrolled in associate degree, transfer, certificate, and non-credit offerings expect the highest level of educational experience. Southeast Michigan businesses and industries seek skill-targeted, customized training, and retraining for employees to meet the needs of the changing workforce. State and local government agencies frequently partner with HFCC on skills-based programs that lead to career opportunities for the unemployed and underemployed.

Since its inception, HFCC has maintained a strong enrollment base, and currently has approximately 12,203 full-year equated students and over 27,623 unduplicated students each year. The College offers a wide range of both academic and occupational study programs which currently include more than 100 associate degree programs. In addition, students are served through successful business, industry, and educational partnerships. Comprehensive workforce and professional development, and continuing education services are provided through the M-TEC at HFCC.

As stated in the Mission Statement of the College, —Ours is a tradition of building futures. We measure our success by the success of our students in a democratic, diverse, and increasingly technological nation. A recent study shows that an estimated 95 percent of HFCC students remain in Michigan and contribute to economic growth. HFCC credits translate to higher earnings and increased output of business. The added income attributable to the accumulation of HFCC credits in the workforce amounts to approximately $808.1 million each year.

Neither the College nor the community it serves, however, is content to restst on the laurels of the past. It is clear that the success of institutions of higher education will be measured on how willing and able we are to respond to the changing needs of the students and the communities we serve. As our internal and external environments change, we must be prepared as a college to meet the needs of our students and our surrounding communities. These ideas serve as a foundation upon which Henry Ford Community College builds to be a college of the 21st century—a college committed to quality, service, and innovation.

I. MISSION STATEMENT

The overall mission of HFCC can best be summarized in the opening paragraph of its Mission Statement: —We of Henry Ford Community College are dedicated to the education and enrichment of our students and community. As a comprehensive community college with a diverse student population, we value teaching and learning. To prepare our students for a rapidly changing world and workplace, we are committed to providing knowledge, communication skills, and cultural opportunities. We foster critical thinking, creativity, integrity, and self-esteem. The HFCC Mission, Vision and Values is provided in Appendix A.

In an effort to further the mission and purpose of the institution, representatives of HFCC's faculty, administrators, staff, and students engage in a process that results in institutional planning. This group, the Strategic Planning Committee, studies and develops the major strategic goals and supporting objectives for the College in the Strategic Plan. The plan is reviewed and adopted by the HFCC Board of Trustees.

Initiatives that flow from the strategic planning process help focus College resources, energy, and talent on student success and service to business and industry as well as the community. Significant funds have been invested in strategic planning initiatives related to many areas including the enhancement of teaching and learning, instructional technology, instructional assessment, student advising, developmental education, learning support services, cultural diversity, continuing education, student co-curricular activities, and online courses - all working to make HFCC an innovative and forward focused college.

The College's specific goals, as identified in the Strategic Plan are to:

1. Provide accessible, high quality, and affordable education to meet the needs of our community.

2. Design and implement strategies to increase student success in their academic pursuits.

3. Investigate, establish, and strengthen partnerships with key stakeholders within the community to better address the needs of students, community stakeholders, and the College.

4. Promote effectiveness through the development and use of continuous quality improvement.

5. Foster a culture that recognizes and enhances the contributions of all members of the College community.

6. Develop and deliver curricula to prepare students for a rapidly changing world and workplace.

7. Develop resources and effective operational strategies to promote a supportive learning environment and sound financial stewardship.

HFCC is also engaged in the Master Facilities Planning process which includes a facility assessment, utilization plan, and updated master plan. This initiative supports HFCC's mission statement and strategic plan by ensuring we provide an outstanding environment in which to deliver high-quality academic programs.

II. INSTRUCTIONAL PROGRAMMING

A. Describe existing academic programs and projected programming changes during the next five years, in so far as academic programs are affected by specific structural considerations

Henry Ford Community College is a comprehensive community college providing pre-professional studies, associate's in science, associate's in applied science, and associate's in arts degrees, associate's in general studies, as well as certificates. A complete listing of College academic programs and areas of study is detailed in Appendix B.

All academic programs are reviewed and evaluated on a regular basis. Programs are examined on a macro level to determine their viability for transfer and market demand and on a micro level to determine the relevancy of content. New technologies and instructional tools are evaluated and incorporated where appropriate. New program opportunities are continually assessed. Recently introduced programs include bio-technology, alternative energy, ophthalmic technology, arab cultural studies, and international business

New programs within the next 5 years include degrees in welding, tool & die, transportation, distribution, and logistics, and mechatronics. These programs will be built in a flexible learning environment requiring sufficient lab space.

The critical need that exists for programs is to access opportunities for improved delivery of instruction, for the inclusion of technology as an instructional tool, and for adaptation to more flexible delivery options, such as distance learning. These program improvements require high tech classrooms and laboratories that are supported by a robust technological infrastructure.

B. Identify the unique characteristics of each institution's academic mission

HFCC embodies many unique characteristics. They include:

1. Nineteen areas of study for transfer students.
2. Fifty two associate degree and certificate programs in career and technical fields.
3. Workforce development training activity offered through the Office of

Corporate Training and the M-TEC. This includes opportunities that cross over academic and technical disciplines. Training is learner centered and is available for incumbent workers needing an upgrade of skills, as well as the unemployed, and the underemployed.

4. Continuing educational programs offered through the Workforce & Professional Development. These programs are open enrollment programs intended for personal and professional development.
5. A strong connection to twenty-nine local school districts. Dual enrollment and career exploration opportunities are available to high school students to help prepare them for post-secondary education and the world of work including the Henry Ford Early College and Collegiate Academy.
6. Special needs programs and supportive activities.
7. Center for Teaching Excellence and Innovation for teacher development.
8. College radio station, WHFR.
9. A strong developmental education program, with an extensive Learning Lab, to help meet the reading, writing, and math needs of students.
10. An English Language Institute to assist students for whom English is a second language.
11. Community support through activities such as the presentation of plays and concerts, hosting fund-raising activities for scholarships, open lecture and film series, conference and convention facilities, and dining facilities.
12. Articulation agreements with Cleary College, Concordia College, Detroit College of Business, Eastern Michigan University, Ferris State University, Lawrence Technological University, Madonna University, Marygrove College, Oakland University, Siena Heights College, University of Detroit-Mercy, University of Michigan-Ann Arbor, University of Michigan-Dearborn, Walsh College, and Wayne State University to support the transfer of students to these colleges and universities.
13. Partnership with Cleary University, Sienna Heights and up to six additional partners to offer four year degrees on the HFCC campus.

C. Indentify other initiatives which may impact facilities usage

Stemming from the strategic plan, the following objectives most likely will impact facilities usage:

1. Improve the recruitment and retention of academically-talented students.
2. Develop new and revise existing programs to meet the expectations of the workforce.
3. Develop facilities spaces that will facilitate student learning and community access.
4. Create and expand community and international partnerships and collaborations with business, governmental, non-profit, and educational institutions.
5. Develop and deliver technology training based on the assessed

needs of students, faculty, and staff.

6. Ensure that the College's physical facilities, equipment, and technological infrastructure support fulfillment of the College's mission.
7. Promote sustainability and environmentally sound policy in facilities resource planning.
8. Development of a University Center to provide opportunities for undergraduate and graduate degree completion.
9. Flexible open labs for new degree programs.

D. Demonstrate economic development impact of current/future programs

HFCC is widely recognized as a regional resource for the training of high-skill workers. Over 28,634 students a year attend the College for educational services, many of whom live and work outside of the College's service area. In the fall of 1998, HFCC entered a competitive grant process sponsored by the Michigan Jobs Commission to create a Michigan Technical Education Training Center (M-TEC). HFCC's grant proposal was one of the eight awarded.

Additional monies for furnishings and equipment were donated by UAW-Ford. The Center is located at the corner of Schaefer and Rotunda Roads, about one mile away from the Ford Rouge Complex in Dearborn, Michigan. This land was donated by Ford Land. The M-TEC continues to house training for high-skill, high-wage, high-demand jobs in a variety of sectors including oil refining, health care, and advanced manufacturing.

HFCC regularly partners with state and local business and industry in ways that significantly impact the economic development of the region. For example, the College successfully collaborated with the MDLEG on a proposal to keep a pharmaceutical manufacturer in southeast Michigan. A partnership was created with the state and Henry Ford Health Systems to develop an accelerated nursing program which has produced sixty additional nurses each year since 2007. An expansion of Marathon Oil was made possible, in part, by training employees received from HFCC. Ford Motor Company and Severstal Corporation are regularly partners with HFCC to train employees for new initiatives in regional plants.

III. STAFFING AND ENROLLMENT

A. Describe current full and part-time student enrollment levels by academic program and define how the programs is accessed by the student

According to the Michigan Community College ACS 2011-2012 Data Book, the following information describes the student body composition at HFCC:

12,203	Fiscal Year Equated Students
13,119	(FYES) Contact Hour Equated Students
27,623	(CHES) Unduplicated Headcount

In-district enrollments comprise 27% of the unduplicated headcount while out-of-district enrollments are 73%. For students taking credit courses, 61% are part-time and 39% are full-time.

Distribution of Student Contact Hour (SCOH) by Instructional Sub-Activity is:

50.3%	General Education
17.6%	Business and Human Services
4.2%	Technical and Industrial
14.0%	Health Occupations
13.0%	Developmental Education
.7%	Human Development/Personal Interest

For the most part, academic programs are accessed through on-campus instruction at the main campus. The nursing program is located at the East Campus. Architectural construction and technology, is accessed from the center in Dearborn Heights.

On-line courses have increased significantly and account for approximately 15% of sections offered. Training programs for business and industry are provided either at the worksite or at the M-TEC.

B. Projected enrollment pattern over the next five years

Enrollment trends state-wide in community colleges had experienced increases since 2008. HFCC had been fortunate to participate in that upward trend. From fiscal year 2006-2007 to fiscal year 2011-2012, fiscal year equated students increased from 8,598 to 13,331 for an increase of 55%. However, as the economy shifts, enrollment has declined approximately 8.46% since 2012.

C. Evaluate enrollment patterns over the last five years

Demographic studies show that the population of the College's service area will continue its trend toward a slight decline over the next five years.

A new policy of guaranteeing advertised sections will be offered each semester, HFCC is breaking new ground in meeting the needs of students in terms of customer satisfaction as well as degree completion. Beginning in Fall semester of 2014, we believe this guarantee will have an impact on enrollment. Agreements with transfer colleges and universities, training and retraining programs, and an emphasis on distance education will be a few of the strategies used to grow and create new programs and services. Programs will be made more accessible by offering more flexible scheduling of classes, including weekend College programs, and by offering more courses and programs on-line.

An emphasis on recruitment and retention efforts will remain strong and environmental scanning efforts will ensure that the College continues to offer programs that meet the needs of students and the community.

D. Provide instructional staff/student and administrative staff/student ratios for major academic programs

In the nursing program, the faculty to student ratio is about 1:26 and the administrative staff to student ratio is about 1:176. For the health careers programs, the faculty to student ratio is about 1:28 and the administrative staff to student ratio is about 1:140. In the computer information systems program, the faculty to student ratio is about 1:25 and the administrative staff to student ratio is about 1:166.

E. Project future staffing needs based on five year enrollment estimates and future programming

Based on enrollment projections, it is estimated that the total number of adjunct faculty will shrink, but staff positions will vary only slightly from existing patterns. The increasing burden of regulations continues to place added responsibilities on staff of the College, but efficiencies through better use of technology will have the benefit of offsetting many of these additional workload requirements.

F. Identify current average class size and projected average class size based on institution's mission and planned programmatic needs

It is the policy of the College that the minimum class size is fifteen students. The average class size is twenty-six students. This, of course, varies according to the nature of the program or type of course. For example, it is appropriate that certain types of general education courses seat thirty students per section. However, more difficult courses or technical courses that require particular labs are appropriately run with fewer students. At times, a class of less than fifteen students is offered if a group of students need a course during a particular semester in order to graduate.

No change is projected to this policy or average class size. It is the mission of the community college, in general, and Henry Ford Community College, in particular, to offer small class sizes. This aspect differentiates the community college from the four year university where a class size of 100 is not unusual. Henry Ford Community College students are promised more individual attention from faculty and support services.

IV. Facility Assessment

A professionally developed comprehensive facilities assessment is required. The assessment must identify and evaluate the overall condition of capital facilities under college or university control. The description must include the facility age, use patterns, and an assessment of general

physical condition.

The assessment must specifically identify:

1. **Summary description of each facility (administrative, classroom, biology, hospital, etc.) according to categories outlined in "net-to-gross ratio guidelines for various building types," DMB-Office of Design and Construction Major Project Design Manual, appendix 7. If facility is of more than one "type", please identify the percentage of each type within a given facility**

   Appendix C shows the type of each building and its date of construction, square footage, and volume.

2. **Building and/or classroom utilization rates (percentage of rooms used, and percent capacity). Identify building/classroom usage rates for peak (M-F, 10-3), off-peak (M-F, 8-10 am, 3-5 pm), evening, and weekend periods**

   This data will be provided as part of the Facility Master Plan currently being updated.

3. **Mandated facility standards for specific programs, where applicable (i.e. federal/industry standards for laboratory, animal, or agricultural research facilities, hospitals, use of industrial machinery, etc.)**

   In the science program, laboratories must meet standards set by the Department of Transportation (chemical labeling), OSHA (workplace safety) and the EPA (chemical disposal). Chemicals are handled according to prudent practices for academic chemical laboratories, with emphasis on pertinent local, state, and federal regulations. All faculty go through yearly lab safety training. The Science Division has a part-time chemical lab technician who is in charge of chemical inventories and lab safety. Standardized inventory and labeling have been implemented to comply with workplace safety and chemical labeling regulations.

   The technology programs that teach the use of industrial machinery follow OSHA regulations such as those requiring personal protective equipment, machine guards, and designation of operator areas.

4. **Functionality of existing structures and space allocation to program areas served**

   Functionality of the older (1960's) buildings on the Evergreen site should be improved with larger classrooms which would be part of the renovation plan. The recently completed Science Center project updated one of the original buildings on campus and added a south wing for an additional 19,000 square feet. Many of the classrooms in the liberal arts building, for example, do not

provide adequate space for thirty students with their coats, books, and backpacks.

Currently, modern instructional technology is added to buildings as needed. The College has retrofitted many classrooms to include video projectors with DVD, internet, and visualization technology. Future building renovations will include what is now considered standard classroom technology.

5. **Replacement value of existing facilities (insured value of structure to the extent available)**

   A report provided by R. A. Schettler, Inc., listing the Replacement Value New and the Sound or Depreciated Value of all buildings at HFCC (dated 12/2011) is available on the HFCC website.

6. **Utility system condition (i.e., heating, ventilation, and air conditioning (HVAC), water and sewage, electrical, etc.)**

   The current systems provide sufficient heating, cooling, ventilation, and other utilities to meet occupant needs under most operating conditions. However, all utility systems need to be reviewed and considered in the master facility plan. We believe there is great room for improvement in the area of energy use/efficiency. A subcommittee comprised of facility personnel as well as faculty in the Energy Technology Program has been formed to investigate the potential for savings under performance management contracting.

7. **Facility infrastructure condition (i.e., roads, bridges, parking structures, lots, etc.)**

   The College has completed the redesign and reconstruction of all parking lots at the Evergreen site. This includes a new storm water improvement system that significantly benefits the Rouge River which receives storm water runoff. The parking lots at the Dearborn Heights site were also resurfaced and improved as part of this project.

8. **Adequacy of existing utilities and infrastructure systems to current and five-year projected programmatic needs**

   The electrical system at the Evergreen site includes many components that—after more than forty years of use—have exceeded their useful life. A plan was been developed to replace much of this infrastructure and to convert from 4800-Volt to 13.2 Kilovolt feeders as recommended by the local electricity provider. The electrical project related to the North Loop feeder is in process.

   The College commissioned a study to evaluate the central boiler plan. Options are being analyzed to replace burners, upgrade the piping system, and install heat recovery for the boiler stacks. Commission testing of the

boilers will ascertain remaining useful life.

9. **Does the institution have an enterprise-wide energy plan? What are its goals? Have energy audits been completed on all facilities, if not what is the plan/timetable for completing such audits?**

The College's enterprise-wide energy plan depends largely on the age of the building and the details of their particular heating/cooling systems as follows:

- Construction/renovation to current energy code standards. This applies to the renovated science building (2011) as well as the new addition to the Science Center (2012), the Welcome Center (2012), and the School of Nursing (2009).

- Retro-commissioning of relatively new buildings with modern controls as funds become available. These include the Heath Careers Education Center (1999) and the M-TEC building (1999).

- Retro-fitting of temperature controls for the Administrative Services and Conference Center (1979) as funds become available.

- Major renovation of older buildings including complete renovation of mechanical systems as is being considered for the liberal arts building (1960).

- Where appropriate, and as funds become available, energy audits of several buildings will be completed to help with identifying opportunities for future savings.

The main campus central heating and cooling plants are given special attention with regard to energy consumption. Capital requests are being considered for replacement of a 25-year old central chiller and a 52-year old central boiler with a more efficient and flexible modern units.

Finally, the buildings and grounds staff are dedicated to managing the mechanical systems with an eye to saving energy as much as possible. We retain a temperature control firm who provides us with regular services to maintain our Building Management System and assist us with technical support as we improve the system.

10. **Land owned by the institution, and include a determination of whether capacity exists for future development, additional acquisitions are needed to meet future demands, or surplus land can be conveyed for a different purpose**

Appendix D is a map of the main campus of the College. The southern property line is shared with University of Michigan-Dearborn and the Gabriel Richard Campus Ministry Center. The eastern border flanks Evergreen Road and provides the major vehicular entry points to the campus roadway systems and parking facilities. Immediately east of Evergreen Road is land owned by the Ford Motor Land Development Corporation, the Fairlane Town

Center, and Fairlane Meadows. The western facilities boundary is created by the Rouge River watershed, controlled under the jurisdiction of Wayne County. The northern property line is Ford Road (M-153).

Despite these space limitations, it is considered important to protect and preserve as much open space as possible, particularly space adjacent to buildings and building additions.

At this time, it is determined that additional acquisitions are not needed to meet the need of future demands.

11. **What portions of existing buildings, if any, are currently obligated to the State Building Authority and when these State Building Authority leases are set to expire**

Patterson Technology Building	2014
Learning Technology Center	2014
Health Careers Education Center	2014
Student and Culinary Arts Center	2028

V. IMPLEMENTATION PLAN

The Five-Year Capital Outlay Plan should identify the schedule by which the institution proposes to address major capital deficiencies, and:

1. **Prioritize major capital projects requested from the State, including a brief project description and estimated cost, in the format provided. Based on the assessments described above, Henry Ford Community College has established the following projects which are listed in priority order:**

   a. Renovate and Upgrade the Electrical System – $2.6 million
   The electrical infrastructure of the College is in need of renovation and upgrading as described above.

   b. Renovate the Liberal Arts Building – TBD
   The liberal arts building was constructed in 1963 and is in need of a major renovation. Structural issues regarding the envelope exist such that concerns of water infiltration and subsequent interior damage are present. Renovation would make necessary repairs as well as provide larger classrooms that include sufficient infrastructure to support today's technology requirements as well as provide a more pleasant learning environment for students.

   c. Technology Building – TBD
   There is a need to expand technology labs including welding in order to accommodate increased enrollment due to demand in the labor market for certified welders and implement a flexible, modular-based learning environment. In addition, the new mechatronics program and the

construction trades will be delivered in an open lab environment.

    d. Renovate the Athletic Memorial Building – TBD
       The athletic memorial building, constructed in 1964, does not provide
       modern facilities for programming and student activities.

    e. Renovate the Fine Arts Building – TBD
       The fine arts building, built in 1981, is in need of structural and functional
       renovation. The building does not provide adequate space for modern
       programming needs.

2. **If applicable, provide an estimate relative to the institution's current deferred maintenance backlog. Define the impact of addressing deferred maintenance and structural repairs, including programmatic impact, immediately versus over the next five years**

   HFCC administrators and staff are working on with SHW Group to complete an analysis of infrastructure, develop the Master Facilities Plan which will include detailed information regarding deferred maintenance. The plan will address facilities issues according to their impact on health and safety, accessibility, code compliance, potential for stopping further deterioration of facilities, and impact on the learning environment.

3. **Include the status of on-going projects financed with State Building Authority resources and explain how completion coincides with the overall Five-Year Capital Outlay Plan**

   There are no current projects financed with State Building Authority resources.

4. **Identify to the extent possible, a rate of return on planned expenditures. This could be expressed as operational "savings" that a planned capital expenditure would yield in future years**

   In many ways, the benefits to be derived from the proposed plan will be difficult to tie back to specific increased revenue streams. Therefore, it is difficult to determine a rate of return on the improvements. Studies indicate that campus facilities and appearance are among the top reasons for students choosing a college. Therefore, modern and attractive labs and classrooms will have significant impact on recruitment and retention. Failure to make such improvements, however, will result in declining enrollments as students opt for more desirable campuses at competitor colleges who provide modern learning facilities.

5. **Where applicable, consider alternatives to new infrastructure, such as distance learning**

   The distance learning program at HFCC is being reviewed vis-à-vis the long-

range strategic goals of the college. While distance learning will continue to grow, it is believed that the college will continue to develop and deliver hybrid programs that still require on-ground infrastructure.

6. Identify a maintenance schedule for major maintenance items in excess of $1,000,000 for fiscal year 2015 through fiscal year 2019

There are no major maintenance items in excess of $1,000,000 planned.

7. Identify the amount of non-routine maintenance the institution has budgeted for in its current fiscal year and relevant sources of financing

For 2013-2014, the College has budgeted from operations approximately $100,000 for non-routine maintenance.

OUR VALUES AND BELIEFS

We of Henry Ford Community College...

Teaching and Learning

1. View the teaching-learning process as our central mission.
2. Strive to foster in our students critical thinking, intellectual curiosity, creativity, and a sense of responsibility for their own educational achievement.
3. Recognize and appreciate that learning must be a lifelong process to ensure success in a dynamic and increasingly technological society.
4. Believe that continuing scholarship and curricular development improve the quality, vitality, and relevancy of our courses and programs.
5. Are committed to providing the first and second years of college-level education for those who wish to obtain an Associate Degree, to earn a career-related certificate, or to transfer to other institutions.
6. Believe in providing courses, programs, and facilities for those who desire career-related knowledge and skills, job upgrading, or retraining.
7. Are committed to providing courses, programs, services, and facilities for the social, cultural, and personal development of individuals.
8. Strive to prepare students to be compassionate, ethical, and rational citizens in a multicultural, multiracial democracy.

Responsiveness and Support

9. Believe that all members of the college community are to be treated with dignity and respect.
10. Support academic freedom and a diversity of ideas, cultures, and beliefs within our college community.
11. Strive to afford all students full access to classes and services.
12. Believe that on-going assessment and evaluation are necessary to improve instructional programs and services to students.
13. Are committed to providing a full range of learning opportunities, from assisting students in improving basic skills to challenging academically-talented students desiring advanced collegiate study.

Quality

14. Value and promote excellence in our programs and services.
15. Believe that continuing professional development of all staff is essential for excellent instructional programs and collegiate services.

Partnership

16. Believe that shared governance produces sound, creative, and ethical decisions and policies at all levels of our institution.
17. Value our role as a community resource and seek to address the diverse needs of the communities we serve.
18. Value our natural environment and work cooperatively towards its preservation.

Henry Ford Community College
List of Programs

21st Century Technical Communications - Technical Concentration: Certificate of Achievement
21st Century Technical Communications-Business Concentration: Certificate of Achievement
21st Century Technical Communications-Infrastructure Concentration: Certificate of Achievement
Accounting: Associate in Business
Administrative and Information Management: Associate in Business
Advanced Pathways: Certificate of Achievement
Animation: Certificate of Achievement
Anthropology: Area of Study
Arab Cultural Studies: Associate in Arts
Architecture/Construction Technology: Associate in Applied Science
Art Foundation: Associate in Arts
Astronomy: Area of Study
Automotive Service (ASSET): Associate in Applied Science
Automotive Service Management — Business Concentration: Associate in Business
Automotive Service Management — Technical Concentration: Associate in Applied Science
Automotive Technology: Associate in Applied Science
Automotive Technology: Certificate of Achievement
Automotive Technology — Auto Air Conditioning, Brakes, Alignment: Certificate of Achievement
Automotive Technology — Dynamometer Technician: Certificate of Achievement
Baking and Pastry: Certificate of Achievement
Biology — Pre-Professional: Associate in Science
Biotechnology: Associate in Applied Science
Biotechnology: Certificate of Achievement
Bookkeeping: Certificate of Achievement
Building Construction Trades: Associate in Applied Science
Business Administration: Associate in Business
CAD - CAM Technician: Associate in Applied Science
CAD Technology — Industrial Drafting: Associate in Applied Science
CAD Technology — Industrial Drafting – CATIA: Certificate of Achievement
CAD Technology-Industrial Drafting-Solid Works: Certificate of Achievement
CAD Technology-Industrial Drafting- UG NX: Certificate of Achievement
Ceramics: Associate in Arts
Chemistry — Pre-Professional: Associate in Science
Child Development: Associate in Arts
Child Development: Certificate of Achievement
Children and Families: Associate in Arts
CNC (Computer Numerical Control): Associate in Applied Science
CNC (Computer Numerical Control)/Manufacturing Productivity Systems: Associate in Applied Science
CNC (Computer Numerical Control)/Manufacturing Productivity Systems — Advanced: Certificate of Achievement
CNC (Computer Numerical Control)/Manufacturing Productivity Systems — Basic: Certificate of Achievement
Computer Information Systems: Associate in Applied Science
Computer Information Systems — Application Developer: Certificate of Achievement

Computer Information Systems — Information Assurance: Associate in Applied Science
Computer Information Systems — Network Administration: Associate in Applied Science
Computer Information Systems — Web Development: Certificate of Achievement
Computer Networking Academy — CCNA: Certificate of Achievement
Computer Networking Academy — CCNP: Certificate of Achievement
Computer Software Applications: Certificate of Achievement
Criminal Justice — Corrections/Probation and Parole: Associate in Arts
Criminal Justice — Corrections/Probation and Parole: Certificate of Achievement
Criminal Justice — Law Enforcement: Associate in Arts
Criminal Justice — Law Enforcement with Police Academy: Associate in Arts
Culinary Arts: Associate in Applied Arts
Culinary Skills: Certificate of Achievement
Culinary Supervision: Certificate of Achievement
Customer Service Professional: Certificate of Achievement
Dance: Area of Study
Economics, Finance & Investing: Area of Study
Education Paraprofessional: Certificate of Achievement
Electrical Technology: Associate in Applied Science
Electrical Technology — Analog Electronics: Certificate of Achievement
Electrical Technology — Automation Controls: Certificate of Achievement
Electrical Technology — Basic Electronics: Certificate of Achievement
Electrical Technology — Digital Electronics: Certificate of Achievement
Energy Technology — Alternative Energy: Associate in Applied Science
Energy Technology — Boiler License Review Basic: Certificate of Achievement
Energy Technology — Heating and Cooling Advanced: Certificate of Achievement
Energy Technology — Heating and Cooling Basic: Certificate of Achievement
Energy Technology — HVAC: Associate in Applied Science
Energy Technology — Plumbing - Pipefitting Advanced: Certificate of Achievement
Energy Technology — Plumbing - Pipefitting Basic: Certificate of Achievement
Energy Technology — Power Engineering 1st and 2nd Class Steam - Refrigeration License Review Online: Certificate of Achievement
Energy Technology — Power Engineering High Pressure Boiler 3rd Class - Steam License Review Online: Certificate of Achievement
Energy Technology — Power Engineering Low Pressure Boiler - Plant Operator Online: Certificate of Achievement
Energy Technology — Power/Building Engineer: Associate in Applied Science
Energy Technology — Power/Building Engineer Advanced: Certificate of Achievement
Energy Technology — Renewable Energy Advanced: Certificate of Achievement
Energy Technology — Renewable Energy Basic: Certificate of Achievement
English: Area of Study
Environmental Studies: Associate in Science
Firefighter/Paramedic: Associate in Applied Science
Fitness and Sports Center Management: Associate in Business
Fitness Leadership: Associate in Applied Science
Fitness Leadership: Certificate of Achievement
General Business — No Concentration: Associate in Business
Geography: Area of Study
Geology: Area of Study

Graphic Design: Associate in Arts
History: Area of Study
Hospitality Professional Management: Certificate of Achievement
Hotel/Restaurant Management: Associate in Applied Science
Illustration: Certificate of Achievement
Industrial Distribution — Business Concentration: Certificate of Achievement
Industrial Distribution — Technical Concentration: Certificate of Achievement
Interior Design: Associate in Arts
International Business: Associate in Business
Kitchen & Bath Design: Certificate of Achievement
Liberal Arts: Area of Study
Management: Associate in Business
Manufacturing Production Specialist: Certificate of Achievement
Manufacturing Trades: Associate in Applied Science
Mathematics: Area of Study
Medical Assistant: Certificate of Achievement
Medical Imaging Informatics: Certificate of Achievement
Medical Insurance Specialist: Certificate of Achievement
Medical Practice — Clinical Management: Associate in Applied Science
Medical Practice/Facility Business Management: Associate in Business
Medical Receptionist: Certificate of Achievement
Motion Capture Systems Technician: Certificate of Achievement
Multi-Skilled Facility Maintenance Technician: Associate in Applied Science
Multi-Skilled Manufacturing Maintenance (Mechatronic Manufacturing Maintenance): Associate in Applied Science
Multimedia Design: Certificate of Achievement
Music: Associate in Arts
Nursing: Associate in Applied Science
Nursing Care Skills: Certificate of Achievement
Nursing — Advancement of LPNs to RNs: Associate in Applied Science
Office Skills — Fundamentals: Certificate of Achievement
Ophthalmic Technician: Associate in Applied Science
Paralegal Studies: Associate in Business
Paramedic: Associate in Applied Science
Pharmacy Technician: Certificate of Achievement
Philosophy: Area of Study
Physical Therapist Assistant: Associate in Applied Science
Physics: Area of Study
Plant Maintenance Trades: Associate in Applied Science
Political Science: Area of Study
Pre-Elementary Education: Associate in Arts
Pre-Engineering: Associate in Science
Pre-Pharmacy: Associate in Science
Pre-Professional: Area of Study
Pre-Secondary Education: Associate in Arts
Pre-Special Education: Associate in Arts
Print Design: Certificate of Achievement
Process Technology: Associate in Applied Science

Process Technology — Advanced: Certificate of Achievement
Process Technology — Basic: Certificate of Achievement
Psychology: Associate in Arts
Radiographer: Associate in Applied Science
Religious Studies: Associate in Arts
Respiratory Therapist: Associate in Applied Science
Restaurant Service Career: Certificate of Achievement
Science: Area of Study
Small Business Management & Entrepreneurship: Certificate of Achievement
Sociology: Area of Study
Supervision: Certificate of Achievement
Surgical Technologist: Associate in Applied Science
Telecommunication: Associate in Arts
Theatre: Associate in Arts
Web Design: Certificate of Achievement
Welding Technology — Advanced for Certification: Certificate of Achievement
Welding Technology — Basic: Certificate of Achievement
Welding Technology — GTAW/GMAW: Certificate of Achievement
Welding Technology — Tool and Die: Certificate of Achievement
World Languages: Area of Study

Programs of Study (https://www.hfcc.edu/catalog/programs)

HENRY FORD COMMUNITY COLLEGE
Building Age/Size

Building	Construction Date	Gross Area (Square Feet)	Volume (Cubic Feet)
Administrative Services & Conference Center	1983	59,645	980,348
ASCC – Addition	1988		
Athletic Memorial Building	1964	37,268	696,661
Athletic Memorial Building - Addition	1993	2,284	27,359
Child Development Center	1996	7,005	108,630
College Store	1975	7,752	69,768
Facilities Services Building	1994	7,932	116,576
Fine Arts	1981	65,079	987,639
Health Careers Education Center	1998	81,452	1,274,053
Learning Resources Center – Library	1966	46,587	556,615
Learning Resources Center – North Hall	1997	69,594	787,489
Learning Technology Center	1963	25,157	322,034
Learning Technology Addition	1997	615	7,971
Liberal Arts	1963	91,018	1,169,802
Liberal Arts – Chiller Addition	1995	3,823	68,812
Michigan Technical Education Center (M-TEC)	2001	28,890	300,000
Power House	1963	5,222	106,428
East Building (former SME)	1983	63,264	822,432
North Building (former SME)	1962	9,203	119,639
South Building (former SME)	1979	32,250	419,250
West Building (former SME)	1962	32,864	427,232
School of Nursing	2001	32,800	455,119
Science	1963	30,686	419,863
Student & Culinary Arts Center	1963	41,807	626,784
Technology Building – Patterson Technical Building	1965	61,567	810,222
Technology Building – Pump House	1964	462	6,468
Technology Building – Addition	1995	98,223	1,452,281
SUB-TOTAL		942,449	13,139,475
Dearborn Heights Center	1951	88,881	1,195,407
GRAND TOTAL		1,031,330	14,334,882

HENRY FORD COMMUNITY COLLEGE
Main Campus Map

The following link, [Henry Ford Community College Campus Map](), will direct you to the HFCC website and display the most current campus map.