B.S. in Information Technology

About the Program

Students living in or near northeastern Maryland can have all the perks of being enrolled at Towson University with the convenience of taking classes in their backyard.

If you complete one of the following programs, you will be able to transfer to Towson University in Northeastern Maryland. Please see the specific requirements for each HCC program on subsequent pages in this packet to ensure that you have completed all the necessary courses at HCC as these courses are not offered at TUNE.

- Harford Community College’s Associate of Applied Science in Computer Information Systems (CIS)
- Harford Community College’s Associate of Applied Science in Information Assurance & Cybersecurity

The bachelor’s degree in Information Technology prepares you to enter the workplace as an IT professional and grow into leadership positions or pursue research or graduate studies in the IT field.

Academic Advantages

- Small classes and highly individualized advising
- Research and internship opportunities through partnerships with federal, state and local government agencies and the IT industry
- State-of-the-art facilities and equipment
- Excellent faculty with diverse research specialties
- Competitive accreditations and designations reflecting high quality academics and faculty expertise
- Location along the Baltimore-Washington corridor with its thriving high-tech industry and government agencies in need of highly skilled professionals

Example Course Descriptions

CIS 377 Information System Security Information systems security threats, technologies and business requirements, emphasizing human and technological aspects of IT security problems.

ITEC 345 Scripting Languages Provides students with a solid foundation in the concepts which underlie many scripting languages and environments without focusing exclusively on any one language. Student will develop, test, and execute programs in a hands-on environment.

ITEC 325 System Administration & Maintenance Essentials for effective administration and maintenance of applications, operating systems and networks, including IT system documentation, policies and procedures, and the education and support of the users of these systems.

COSC 418 Ethics and Societal Concerns for CS Ethical questions and societal concerns related to the widespread use of computers and the resulting responsibilities of computer scientists.

ITEC 411 System Architecture and Integration Architecture and integration of systems. Gathering requirements, sourcing, evaluating and integrating components into a single system. It also covers the fundamentals of project management and the interplay between IT applications and organizational processes.

CIS 435 Human Computer Interaction Effective, productive information systems, including interactive computer systems, input and output devices, screen layouts, machine design, health issues, organizational impacts, and computers and the disabled.

ITEC 485 IT Capstone Design and implement an IT project with consideration for real-world issues including cost, safety, efficiency, and suitability for the intended user. Display ability to integrate and apply critical technical skills with a variety of management concepts, principles, techniques, and practices, while effectively managing people, information, information and communication technologies, and business processes for the organizational strategic goals.
Harford Community College: Associate of Applied Sciences (A.A.S) in Computer Information Systems

Towson University: Bachelor’s Degree (B.S.) in Information Technology

Towson University offers students the opportunity to obtain a bachelor’s degree (B.S.) in Information Technology without ever leaving Harford County! Students who complete HCC’s Associate of Applied Sciences (A.A.S) in Computer Information Systems will be eligible to transfer to the TU in Northeastern Maryland facility on the Harford Community College campus to earn a bachelor’s degree.

Recommended Course Schedule Sequence at Harford Community College

**NOTE:** The following codes identify courses which satisfy the General Education Requirements at HCC:

- GB Behavioral/Social Science
- GH Arts/Humanities
- GM Mathematics
- GL Biological/Physical Laboratory Science
- GE English Composition
- GI Interdisciplinary & Emerging Issues
- GS Biological/Physical Science

**TO SATISFY THE DIVERSITY REQUIREMENT:** Associate degree students must complete one 3-credit diversity course D. It is recommended that students select one of the 3-credit GB, GH, GI course electives from those that appear on the approved list of diversity course graduation requirements.

At HCC, future transfer students may earn credits that count toward the Core Curriculum requirements at Towson University. These Core requirements consist of a minimum of 40 units of coursework in 13 categories.

<table>
<thead>
<tr>
<th>First Semester (14 credits)</th>
<th>Second Semester (17 credits)</th>
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</thead>
<tbody>
<tr>
<td>BA 101 Introduction to Business (3)</td>
<td>CIS 104 Computer Operating Systems (3)</td>
</tr>
<tr>
<td>CIS 102 Introduction to Information Sciences (3)</td>
<td>CIS 119 Programming I: Java (4)</td>
</tr>
<tr>
<td>ENG 101 English Composition (3)</td>
<td>CIS 115 Fundamentals of Programming (3)</td>
</tr>
<tr>
<td>MATH 216 Intro to Statistics (4)</td>
<td>Biological/Physical Lab Science Elective (4) GL (Core 7)</td>
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<tr>
<td>Physical Education Elective (1)</td>
<td>CMST 210 Group Communication &amp; Leadership (3) GH (Core 5)</td>
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<tr>
<th>Third Semester (16 credits)</th>
<th>Fourth Semester (13 credits)</th>
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<tr>
<td>CIS 135 Introduction to Networks (3)</td>
<td>CIS 203 Computer Systems and Procedures (3)</td>
</tr>
<tr>
<td>CIS 214 Programming II: Java (4)</td>
<td>CIS 217 Introduction to Web Programming (3)</td>
</tr>
<tr>
<td>ENG 209 Technical Writing (3)</td>
<td>CIS 273 Cooperative Education: Comp Info Systems (3) OR</td>
</tr>
<tr>
<td>CIS 136 Introduction to Internet Technologies (3)</td>
<td>CSI/CIS/ISS Elective (3) ****</td>
</tr>
<tr>
<td>CSI/CIS/ISS Elective (3) ****</td>
<td>Behavioral/Social Science Elective (3) GB (Core 6)</td>
</tr>
<tr>
<td>**** Any CIS/CSI/ISS course(s) may be taken to satisfy the CIS/CSI/ISS electives.</td>
<td>Physical Education Elective (1)</td>
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Last revised 03/30/2017. Please note agreement sequences are subject to change according to state guidelines. Be sure to meet with your HCC advisor each semester.
B.S. in Information Technology
Towson University in Northeastern Maryland

Total Units to Complete

- 60 Transferred credits from HCC
- 33 TU Information Technology Program
- 15-16 TU Core Requirements
- 10-12 General Electives
- 120 Total for Graduation

Core General Education Courses Needed

- Core 8 Biological & Physical Sciences (3-4)
- Core 9 Advanced Writing Seminar (3): ENGL 317 Required
- Core 10 Metropolitan Perspectives (3)
- Core 12 Global Perspectives (3)
- Core 13 Diversity & Difference (3)
- Core 14 Ethical Issues & Perspectives (3): COSC 418 Required

First Fall Term (15 units)

- CIS 377: Information System Security (3)
- ITEC 345: Scripting Languages (IT Elective) (3)
- PHYS 103: How Things Work (3) (Core 8)
- FMST 201: Family Resources (3) (Core 10)
- GEOG 102: World Regional Geography (3) (Core 12)

Second Fall Term (15 units)

- COSC 418: Ethics and Societal Concerns for CS (3) (14)
- ITEC 411: System Architecture and Integration (3)
- IT Elective (3)
- General Elective (3)
- General Elective (3)

First Spring Term (15 units)

- ITEC 325: System Administration & Maintenance (3)
- ITEC 315: Data and Information Management (3)
- ENGL 317: Writing for Business & Industry (3) (9)
- PHIL 204: Race, Class, & Gender (3) (Core 13)
- MATH 263: Discrete Mathematics (3)

Second Spring Term (15 units)

- CIS 435: Human Computer Interaction (3)
- ITEC 485: IT Capstone (3)
- IT Elective (3)
- IT Elective (3)
- General Elective (3)

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For more information about the Core Curriculum, please visit: http://www.towson.edu/academicadvising/current/curriculum.html

General Information
TU in Northeastern Maryland
510 Thomas Run Road • Bel Air, MD 21015
410-704-TUNE (8863) • TUNEMD@towson.edu

Dr. Scott Hilberg
Director, Information Technology Program in Northeastern Maryland
410-704-5277 • shilberg@towson.edu
Harford Community College: Associate of Applied Sciences (A.A.S) in Information Assurance and Cybersecurity

Towson University: Bachelor’s Degree (B.S.) in Information Technology

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<td>CIS 119 Programming 1: Java (4) <strong>OR</strong></td>
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<td>ISS 105 Introduction to Cybersecurity (3) <strong>GI</strong> (Core 11)</td>
<td>CSI 131 Computer Science I (4)</td>
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<td>CMST 210 Group Communication &amp; Leadership (3) <strong>GH</strong> (Core 5)</td>
<td>CIS 211 MS Windows Server Operating System (3)</td>
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<tr>
<td>CIS 135 Introduction to Networks (3) (Term 2)</td>
<td>ISS 111 Cisco 1 (4)</td>
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- **PHYS 103**: How Things Work (3) *(Core 8)*
- **FMST 201**: Family Resources (3) *(Core 10)*
- **GEOG 102**: World Regional Geography (3) *(Core 12)*

**First Spring Term (15 units)**
- **ITEC 325**: System Administration & Maintenance (3)
- **ITEC 315**: Data and Information Management (3)
- **ENGL 317**: Writing for Business & Industry (3) *(9)*
- **PHIL 204**: Race, Class, & Gender (3) *(Core 13)*
- **MATH 263**: Discrete Mathematics (3)

**Second Fall Term (15 units)**
- **COSC 418**: Ethics and Societal Concerns for CS (3) *(14)*
- **ITEC 411**: System Architecture and Integration (3)
- IT Elective (3)
- General Elective (3)
- General Elective (3)

**Second Spring Term (15 units)**
- **CIS 435**: Human Computer Interaction (3)
- **ITEC 485**: IT Capstone (3)
- IT Elective (3)
- IT Elective (3)
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For more information about the Core Curriculum, please visit: [http://www.towson.edu/academicadvising/current/curriculum.html](http://www.towson.edu/academicadvising/current/curriculum.html)

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Director, Information Technology Program
in Northeastern Maryland
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Three reasons why you may want to apply to...

Same Quality Programs. Same Quality Degree.

- Students receive a Bachelors degree awarded by Towson University. The programs at TUNE are identical to those on main campus.
- All programs are Maryland Higher Education Commission (MHEC) approved.
- Many of the same instructors who teach on the main campus also teach TUNE courses.
- Established partnerships with local community colleges provide a seamless transfer and assure maximum transfer credit.

Save Money.

- Towson University offers reduced fees for fulltime TU in Northeastern Maryland students. Parking is also free and convenient. TUNE students will save more than $1,500 per year compared to students on the main campus.
- By submitting the FAFSA, students are eligible for the same Financial Aid packages that are awarded to main campus students.
- TU is currently offering a need-based grant to students enrolled in at least 12 units of classes at the TUNE location. Selected recipients will receive a $2,000 grant ($1,000 per term) for Fall and Spring semesters.
- Room & Board on the main campus also costs approximately $11,000 per academic year, which is money our commuters can save.

Convenient. Close to Home.

- Program advisors and admissions representatives hold regular office hours on-site.
- A fulltime Director of Student Services organizes diverse student life events to bring the full college experience to TUNE.
- Student employment opportunities are available.
- Select programs offer local internship opportunities in Harford County.
- Fulltime TUNE students have access to Harford Community College’s fitness facilities.
- TUNE has its own bookstore where students may purchase class materials, TU apparel, and much more.
How to Apply

1. To access the online application, please visit our webpage at www.towson.edu/tunemd and click on the “Apply Now” link in the right-hand sidebar. You can also visit the application directly at the following URL: http://www.towson.edu/admissions/undergrad/transfer/tune.html

2. Find out if your intended major has additional requirements. Some majors have additional requirements or screening criteria, such as prerequisite courses, supplemental applications, GPA requirements, or passing Praxis scores. Admission to Towson University does not guarantee entry into these majors. The following programs at TUNE have additional requirements: Business Administration - Leadership & Management concentration, Elementary Education/Special Education, Early Childhood/Special Education, and Nursing.

3. Please read the application instructions carefully. Allow yourself approximately 20-30 minutes to complete the application honestly and fully. A $45 non-deferrable, non-refundable fee is required with your application. You will be able to pay the application fee with a credit card or electronic check.

4. Do not forget to have your official transcript (no grade reports or print-outs) sent to Admissions via email to: Admissions_Documents@towson.edu [Some schools will send electronically to TU.] or via postal mail to: Towson University Office of Undergraduate Admissions 8000 York Road Towson, MD 21252

The Deadlines

The final application deadline is June 15 for fall admission and December 15 for spring admission. The application will remain open on a space-available basis.

To be considered for merit-based scholarships offered through University Admissions, you must apply and submit your transcripts and standardized test scores (if you have earned fewer than 30 transferrable credits) by December 1.

The TU Priority Deadline for the FASFA is January 17.

Questions?

Admissions staff will be on-site in Harford County at regular times throughout the semester. Please call us at 410-704-TUNE (8863) to make an appointment to meet with an Admissions counselor if you have questions regarding transfer of credits or the application process.