

## Bachelor of Applied Science (BAS) degree in Applied Business and Information Technology (ABIT)

The Bachelor of Applied Science (BAS) degree in Applied Business & Information Technology (ABIT) combines a curriculum including business, information technology, and liberal arts that emphasizes entrepreneurship and small-to-medium sized business management.

The BAS degree is granted to students completing a four-year program. Only courses numbered 100 and above can be applied toward this degree.

### ABIT Admissions Requirements

For admission to the UH Maui College ABIT program, students must first meet the UH Maui College admission requirements. Admission to UH Maui College does not guarantee admission to the ABIT program.

1. A student may apply for admission as a classified student in the ABIT program upon successful completion of one of the following admission requirements:
  - a. Completion of the Business Careers Option III (*see page 41*) with a cumulative GPA of 2.5 or higher in all courses attempted; **or**
  - b. Completion of an Associate in Arts (AA) degree or higher from an accredited institution with a cumulative GPA of 2.5 or higher in all courses attempted, and completion of the following pre-ABIT course requirements with grade C or better:  
ACC 201 or ACC124 and 125, BUSN 150 or ICS 101, BUS 120, ECON 131, ENG 100, IS 106\*.
  - c. Completion of an Associate in Applied Science (AAS) or Associate in Science (AS) degree from an accredited institution that includes 54 or more transferable semester credits with a cumulative GPA of 2.5 or higher in all courses attempted, and completion of pre-ABIT course requirements as outlined in 1.b.
2. A student may apply for admission as a provisional student in the ABIT program upon successful completion of the following admission requirements:
  - a. Completion of 45 or more transferable semester credits from an accredited institution with a cumulative GPA of 2.5 or higher in all courses attempted. Classified status will be assigned with completion of 54 lower division transferable credits and completion of pre-ABIT course requirements as outlined in 1.b.
  - b. Approval of the ABIT Committee.

*\* Note: IS 106 may be waived with:*

  - *proof of completion of 30 transferable credits of 100 level or higher courses and a cumulative GPA of 2.5, or*
  - *consent of ABIT program coordinator.*

### ABIT Requirements

#### 1. Pre-ABIT (17 credits):

Completion of pre-ABIT courses as outlined in 1.b.

#### 2. Business Core (25 credits):

ACC 300; BLAW 200; ACC 202, BUS 301 (*to be taken first semester after acceptance*), 318, 320; ECON 130; MGT 310, 400; and MKT 300.

#### 3. Information Technology Core (25 credits):

ICS 110, 111, 200, 319, 352, 360, 385, and 418.

#### 4. Upper Division Electives from the following (6 credits):

Elective BUS or TECH elective (recommend BUS or ICS 393V Internship)  
Any upper division elective

#### 5. General Education (42 credits):

BUS/COM 130 or COM 145 or

210, ENG 209 or 210, ENG 316, COM 459, ECON 130, HWST 107 or 231 or HIST 284, HUM 400, PHIL 301 or 323, PSY/COM 353, SP 151 or 251, MATH 115, 135, PSY 100 or SOC 100, Lower division Business or Technology Electives.

#### 6. Capstone Course (6 credits):

BUS 495 to be taken the last semester with approval of the ABIT Committee.

#### 7. Natural Science (4 credits):

Four credits including a lab.

#### 8. Writing Intensive (15 credits):

Minimum of 15 credits of writing intensive courses at the 100-level or higher; at least 6 credits in 100-299 level courses; and at least 6 credits in 300-level or higher.

#### 9. Minimum of 125 non-repeated qualifying credit hours:

ABIT majors are required to earn a letter grade (*e.g., A,B,C, etc.*) in all courses required for the ABIT program.

#### 10. Grade Point Average:

At least a 2.0 UH Maui College cumulative GPA, as well as a 2.5 GPA in courses required for the ABIT major. Grade C or better is required in all upper division courses.

#### 11. Graduation Requirement:

To be awarded the BAS degree, students must complete an Application for Graduation form obtained from Student Services. *See Academic Calendar on page 152 for deadline.*

#### 12. Residency Requirement:

A minimum of 30 credit hours must be taken at UH Maui College and a minimum of 8 upper division courses (24 credits) in Business or Information Technology including the Capstone course.

*(continued on next page)*

The Applied Business & Information Technology (ABIT) program, leading to a baccalaureate degree, offers options to students seeking preparation in small to mid-sized business management, information technology, and related or integrated career opportunities. The mission of the program is to prepare graduates to be productive professionals who can make responsible business decisions and use information technology wisely in a changing world. The curriculum emphasizes business and stresses the effective use of information technology. The program also includes a strong interdisciplinary liberal arts program with courses in the humanities, social sciences, English, communication, and mathematics.

Although this degree can be earned in four years taking 15-16 credits per semester, students taking fewer credits per semester will take longer to complete the requirements. Students interested in the ABIT program are encouraged to contact the ABIT counselor, program coordinator, or faculty member about program requirements.

Students are encouraged to follow the Business Careers Option III path on page 41 to complete lower division requirements. Students should refer to page 23 for complete ABIT program requirements. Only courses numbered 100 or above, and taken with a letter grade, may be applied to the ABIT degree; and for upper division courses only those with a grade C or better may be applied.

☞ Contact the program counselor, Crystal Alberto, at 984-3294, or by email at calberto@hawaii.edu for more information.

### Upper division requirements for Bachelor of Applied Science (BAS) Degree in ABIT: 61 credits

Accounting 300(3)	Management 310(3), 400(3)
Business 301(1), 318(3), 320(3), 495(6)	Marketing 300(3)
Communication 459(3)	Philosophy 301(3) or 323(3)
English 316(3)	Psychology/Communication 353(3)
Humanities 400*	Two upper division electives(3,3):
Information & Computer Science 319(3), 352(3), 360(3), 385(3)	Recommend BUS or ICS 393V
	Upper Division electives

#### Full-time students would take courses in this sequence:

Junior Year (Fall)	Credits	Junior Year (Spring)	Credits
BUS 301 Introduction to ABIT	1	BUS 318 Principles of Finance	3
ACC 300 Intermediate Financial Acct I	3	BUS 320 Entrepreneurship	3
ICS 319 Operating Systems	3	ICS 360 Database Design and Development	3
ICS 352 Networks and Security	3	ICS 385 Web Development and Administration	3
MGT 310 Principles of Management	3	ENG 316 Advanced Research & Writing	3
MKT 300 Principles of Marketing	3		15
	16		
Senior Year (Fall)	Credits	Senior Year (Spring)	Credits
HUM 400* Changes and Choices	3	BUS 495 ABIT Capstone	6
ICS 418 Systems Analysis and Design	3	COM 459 Intercultural Communication II	3
MGT 400 Managing the Growing Business	3	PHIL 301 Ethical Theory or PHIL 323 Professional Ethics	3
Upper Division Business or Technology electives (recommend BUS or ICS 393V ABIT Internship)	3	Upper division elective	3
PSY/COM 353 Conflict Management & Resolution	3		15
	15		

\* Note: Other courses as approved by the ABIT committee may satisfy this requirement.

**Tuition and Fees:** A tuition differential exists for upper division courses numbered 300 or higher. See page 68-69 for tuition and fees.

## Bachelor of Applied Science (BAS) degree in Engineering Technology (ENGT)

The Bachelor of Applied Science (BAS) degree in Engineering Technology (ENGT) provides curriculum in electronics, computers, optics, remote sensing, and other technologies used in industry on Maui, throughout the state of Hawai'i, and worldwide.

The BAS degree is granted to students completing the Engineering Technology BAS degree requirements.

### Engineering Technology BAS Admissions Requirements

For admission to the UH Maui College Engineering Technology BAS program, students must first meet the UH Maui College admission requirements. Admission to UH Maui College does not guarantee admission to the ENGT BAS program.

1. A student may apply for admission as a classified student in the ENGT program upon successful completion of one of the following admission requirements:
  - a. Completion of the UH Maui College BAS path for the Electronic Engineering Technology (ECET) AS degree (*see page 48*) with a cumulative GPA of 2.5 or higher in all courses attempted; **or**
  - b. Completion of an Associate in Arts (AA), Associate in Applied Science (AAS), or Associate in Science (AS) from an accredited institution with a cumulative GPA of 2.5 or higher in all courses attempted, and completion of the BAS path for the Electronic Engineering Technology (ECET) AS degree course requirements (or approved equivalent coursework from an accredited institution).

2. A student may apply for admission as a provisional student in the ENGT BAS program upon successful completion of the following admission requirements:
  - a. Completion of 40 or more transferable semester credits from an accredited institution with a cumulative GPA of 2.5 or higher in all courses attempted. Classified status will be assigned with completion of the BAS path for the Electronic Engineering Technology (ECET) AS degree course requirements (or approved equivalent coursework from an accredited institution).
  - b. Approval of ENGT Committee.

### Engineering Technology BAS Graduation Requirements

1. **BAS path for the Electronic Engineering Technology (ECET) AS degree (74 credits):**  
Completion of the BAS path for the ECET AS course requirements (or approved equivalent coursework from an accredited institution).
2. **Engineering Technology BAS Upper Division Coursework (36 credits):**  
ETRO 305, 310, 320, 350, 360, 370, 415, 440, 450, 460, and 475
3. **Engineering Technology BAS General Education (18 credits):**  
PHYS 219, MATH 219, ENG 210, PHIL 301, ENG 316, and PSY/COM 353
4. **Capstone Course (6 credits):**  
ETRO 497 and 498 are to be taken the last two semesters with approval of the ENGT Committee.

### 5. Minimum of 134 qualifying credit hours:

ENGT majors are required to earn a letter grade (*e.g., A, B, C, etc.*) in all courses required for the ENGT program.

### 6. Grade Point Average:

At least a 2.0 UH Maui College cumulative GPA, as well as a 2.5 GPA in courses required for the ENGT major. Grade C or better is required in all upper division ENGT courses.

### 7. Graduation Requirement:

To be awarded the BAS ENGT degree, students must complete an Application for Graduation form obtained from Student Services. *See Academic Calendar on page 152 for deadline.*

### 8. Residency Requirement:

A minimum of 30 credit hours must be taken at UH Maui College and a minimum of 8 upper division courses (24 credits) in Engineering Technology including the ENGT Capstone course.

*(continued on next page)*

The Engineering Technology (ENGT) program, leading to a baccalaureate degree, offers options to students seeking preparation in engineering technology, electronics, optics, and remote sensing. The mission of the program is to prepare graduates to be productive professionals who can make meaningful contributions to industry on Maui and throughout Hawai'i and the world. The curriculum emphasizes engineering technology and stresses the effective use of integrated electro-optical hardware and software systems. The program also includes strong interdisciplinary general education with courses in the humanities, social sciences, communication, mathematics, and English.

Although this degree can be earned in four years taking 13-16 credits per semester, students taking fewer credits per semester will take longer to complete the requirements.

Students are required to complete the BAS path for the Electronic Engineering Technology (ECET) AS degree in order to fulfill their lower division requirements. Students should refer to page 48 for complete AS program requirements. Only courses numbered 100 or above, and taken with a letter grade may be applied to the ENGT degree; for the upper division courses listed here, only those with a grade C or better may be applied.

☞ Contact Dr. Elisabeth Reader at 984-3388, or by email at [ereader@hawaii.edu](mailto:ereader@hawaii.edu) for more information.

### Requirements for the Bachelor of Applied Science (BAS) Degree in ENGT: 60 credits

Mathematics 219(3)	Physics 219(3)
Philosophy 301(3)	Psychology/Communication 353(3)
Electronics 305(3), 310(3), 320(4), 350(3), 360(4), 370(3), 415(3), 440(3), 450(3), 460(4), 475(3), 497(3), 498(3)	English 210(3), 316(3)

#### Full-time students would take courses in this sequence:

Junior Year (Fall)	Credits	Junior Year (Spring)	Credits
MATH 219 Calculus for Engineering Technology	3	ETRO 310 Applied Robotics	3
PHYS 219 Physics for Engineering Technology	3	ETRO 360 Signals and Systems	4
ETRO 305 Engineering Computing	3	ETRO 370 Optoelectronics	3
ETRO 320 Intermediate Optics	4	ETRO 440 Remote Sensing	3
PSY/COM 353 Conflict Management and Resolution	3	ENG 210 Research Writing	3
	16		16
Senior Year (Fall)	Credits	Senior Year (Spring)	Credits
ETRO 350 Power Systems	3	ETRO 460 Electro-Mechanical Control Systems	4
ETRO 415 Project Management	3	ETRO 475 Advanced Instrumentation	3
ETRO 450 Signal Processing	3	ETRO 498 Capstone Project II	3
ETRO 497 Capstone Project I	3	ENG 316 Advanced Research Writing	3
PHIL 301 Ethical Theory	3		13
	15		

**Tuition and Fees:** A tuition differential exists for upper division courses numbered 300 or higher. See page 68-69 for tuition and fees.

## Bachelor of Applied Science (BAS) Degree in Sustainable Science Management

The BAS in Sustainable Science Management comprises a core curriculum emphasizing basic and applied science related to energy and sustainability, as well as communications and business fundamentals. Courses explore specific sustainability topics and recognize the inter-relatedness of the three foundations of a sustainable society – economic growth, social progress, and environmental stewardship.

The BAS degree is granted to students completing a four-year program. Only courses numbered 100 and above can be applied toward the degree.

This degree is currently under review by the Accrediting Commission for Senior Colleges and Universities for implementation in Fall 2011.

## Sustainable Science Management Admission Requirements

For admission to the UH Maui College Sustainable Science Management program, students must first meet the UH Maui College admission requirements. Admission to UH Maui College does not guarantee admission to the Sustainable Science Management program.

1. A student may apply for admission as a classified student in the Sustainable Science Management program upon successful completion of one of the following admission requirements:
  - a. Completion of the Business Careers Option IV (see page 42) with a cumulative GPA of 2.5 or higher in all courses attempted; or
  - b. Completion of an Associate in Arts (AA) degree or higher from an accredited institution with a

cumulative GPA of 2.5 or higher in all courses attempted, and completion of the following pre-Sustainable Science Management course requirements with grade C or better (35 credits):

BUS 120, BUS/COM 130, SOC 100, ENG 100, ENG 209, MATH 135, ENRG 101 and 103, CHEM 151, BIOL 124 and 124L, SSM 101,

- c. Completion of an Associate in Applied Science (AAS) or Associate in Science (AS) degree from an accredited institution that includes 40 or more transferable semester credits with a cumulative GPA of 2.5 or higher in all courses attempted, and completion of pre-Sustainable Science Management course requirements as outlined in 1.b.
2. A student may apply for admission as a provisional student in the SSM program upon successful completion of the following admission requirements
  - a. A minimum of 50 credits of equivalent transferable college coursework from an accredited institution with a cumulative GPA of 2.5 or higher in all courses attempted.
  - b. Approval of the Sustainable Science Management Committee.

## SSM Graduation Requirements

1. **Pre-Sustainable Science Management (67 credits)**  
Completion of pre-SSM courses as outlined in 1.a.
2. **Sustainable Science Management Upper division course work (45 credits):**  
SSM 301, 302, 303, 393V, 401, 402, 403, PSY/COM 353, MGT 310, MATH 203, MGT 322, ENG 316, HUM 400, PHIL 323, COM 459

## 3. Upper Division Electives from any of the following (9 credits):

BUS 318, 320, 415, 420; ICS 393v or 493v or 463; MGT 400 or 322, MKT 300 or 312 or 400; HUM 393V or 493v or 410; ENG 393V, 493V 390v; PHIL 323. See the Sustainable Science Program Coordinator for other possible substitutions.

## 4. Capstone Course (6 credits):

SSM 475 to be taken the last semester with approval of the SSM Committee.

## 5. Writing Intensive (15 credits):

Minimum of 15 credits of writing intensive courses at the 100-level or higher; at least 6 credits in 100-299 level courses; and at least 6 credits in 300-level or higher.

## 6. Minimum of 127 qualifying credit hours:

SSM majors are required to earn a letter grade (e.g. A,B,C, etc.) in all courses required for the SSM program.

## 7. Grade Point Average:

At least a 2.0 UH Maui College cumulative GPA, as well as a 2.5 GPA in courses required for the SSM major. Grade C or better is required in all upper division courses.

## 8. Graduation Requirement:

To be awarded the BAS degree, students must complete an Application for Graduation form obtained from Student Services. See *Academic Calendar on page 152 for deadline.*

## 9. Residency Requirement:

A minimum of 30 credit hours must be taken at UH Maui College and a minimum of 8 upper division courses (24 credits) in Sustainable Science Management including the Capstone course.

*(continued on the next page)*

The Sustainable Science Management (SSM) program, leading to a baccalaureate degree offers options to students seeking employment in the field of Sustainability which includes positions such as: sustainability coordinator, sustainability specialist, environmental manager, environmental scientist. The mission of the BAS in Sustainable Science Management program is to prepare students to be productive professionals who can make skilled and informed sustainability decisions for complex systems that have environmental, social, political and economic consequences and solutions. The curriculum emphasizes the triple bottom line (economy, equity, and ecology) and stresses the use of methods and technologies for determining the sustainability of a system. The program also includes strong interdisciplinary general education with courses in the humanities, communications, natural sciences, mathematics, and English.

Although this degree can be earned in four years taking 15 credits per semester, students taking fewer credits per semester will take longer to complete the requirements. Students interested in the SSM program are encouraged to contact the SSM counselor, program coordinator, or faculty member about program requirements.

Students are encouraged to follow the Business Careers Option IV path on page 42 to complete lower division requirements. Students should refer to page 27 for complete SSM program requirements. Only courses numbered 100 or above, and taken with a letter grade, may be applied to the SSM degree; and for upper division courses only those with a grade C or better may be applied.

☞ Contact the program coordinator, Dr. Joie Taylor, at 984-3335, or by email at [uhmcssm@hawaii.edu](mailto:uhmcssm@hawaii.edu) for more information.

### Upper division requirements – BAS in Sustainable Science Management (60 credits)

Communication 459(3);  
 English 316(3);  
 Humanities 400 or Contemporary Issues 390v or  
 Advanced Contemporary Issues 490v in Humanities or English (3)\*;  
 Management 310(3), 322(3);  
 Philosophy 323(3);  
 Psychology/Communication 353(3);  
 Sustainable Science Management 301 (3), 302(3), 303(3), 401(3), 402(3), 403(3), 475(6).  
 Any three upper division electives (3,3,3):  
 Advanced Contemporary Issues 490v;  
 Business 318, 320; Contemporary Issues 390v; Management 400; Marketing 300; SSM 393v

### Full-time students would take courses in this sequence:

Junior Year (Fall)	Credits	Junior Year (Spring)	Credits
PSY/COM 353 Conflict Management and Resolution	3	MGT 322 Organizational Leadership and Management of Change	3
MGT 310 Principles of Management	3	ENG 316 Advanced Research Writing	3
SSM 301 Sustainable Organizations	3	SSM 303 Sustainable Science Processes	3
SSM 302 Environmental Health	3	SSM 401 Environmental Law, Policy and Justice	3
MATH 203 Calculus for Business and Social Sciences	3	Upper Division Elective	3
	15		15
Senior Year (Fall)	Credits	Senior Year (Spring)	Credits
HUM 400 Changes and Choices	3	SSM 403 Renewable Energy Integration	3
SSM 393V Internship	3	SSM 475 Senior Capstone Project	6
SSM 402 Water Resources Management	3	PHIL 323 Professional Ethics	3
Upper Division Elective	3	COM 459 Intercultural Communication II	3
Upper Division Elective	3		15
	15		

**Tuition and Fees:** A tuition differential exists for upper division courses numbered 300 or higher. See page 68-69 for tuition and fees.