

2019

ABET IMPACT REPORT

FOR FISCAL YEAR ENDING
SEPTEMBER 30, 2019



CONTENTS

3 From the President and the Executive Director

4 ABET at a Glance

7 2019 ABET Awards

Accreditation Statistics

11 Statistics: 2018-19 Accreditation Cycle

17 Statistics: Accreditation Trends

21 Statistics: 2018-19 Volunteer Pool Characteristics

2018-19 Financial Statements

23 Independent Auditors' Report

25 Statement of Financial Position

26 Statement of Activities

28 Statement of Cash Flows

29 Notes to Financial Statements

Acknowledgements

34 2018-19 Board of Directors

35 2018-19 Board of Delegates

37 2018-19 Academic Advisory Council

38 2018-19 Industry Advisory Council

39 2018-19 Global Council

40 2018-19 Accreditation Council

41 2018-19 Applied and Natural Science Accreditation Commission

42 2018-19 Computing Accreditation Commission

44 2018-19 Engineering Accreditation Commission

47 2018-19 Engineering Technology Accreditation Commission

49 2018-19 Team Chairs

54 2018-19 Program Evaluators

69 ABET Professional Staff

This publication is available online at www.abet.org.

INTENSIFYING IMPACT THROUGH CONTINUOUS IMPROVEMENT

From the President and the Executive Director and CEO

Welcome to our 2019 Impact Report. The following pages highlight our achievements during the 2019 fiscal year.

ABET accreditation assures confidence that we are preparing today's students for success in the disciplines of applied and natural science, computing, engineering and engineering technology. During the 2018-19 cycle, our Experts participated in 1,098 program reviews around the world. As of October 1, 2019, we currently accredit 4,144 programs at 812 colleges and universities in 32 countries. This represents an increase of 130 programs compared to 2018.

We (member societies, volunteers and staff) are proud of our continued growth and impact on higher education globally. Our approach, the standards we set and the quality we guarantee, inspires confidence in those who aim to build a better world — one that is safer, more efficient, more comfortable and more sustainable.

This past year, we worked hard on focusing on the future, and our Board of Directors adopted the following strategic priorities for the next three years:

Goal 1: Enhance member society engagement across the scope of ABET activities to maximize the impact and value to both the societies and ABET.

Goal 2: Refine and disseminate a set of consistent, targeted, concise value propositions for ABET accreditation.

Goal 3: Expand ABET quality assurance services in current and emerging educational credentials.

Goal 4: Improve the efficiency and effectiveness of the accreditation cycle.

These goals underscore our commitment to continuous improvement and making ABET an even more influential organization. In a recent example of our efforts, program criteria for cybersecurity at the baccalaureate level and for cybersecurity engineering were fully implemented beginning with the 2019-2020 accreditation cycle, following approval by the Computing Area Delegation and the Engineering Area Delegation, respectively.

Cybersecurity was also highlighted as the theme of our 2019 Symposium: Generation Cyber. This flagship event for accreditation, assessment and the global exchange of best practices in STEM education brought together experts from academia, industry and government to discuss the current cyber landscape and ways to ensure the next generation is equipped to defend our cyberspace and build a safer world.

At ABET, we also believe that understanding, embracing and prioritizing inclusion, diversity and equity in higher education is critical to competitiveness, innovation and our global pursuit to

sustainability. To that end, we continue to uphold the principles of diversity and inclusion our Board of Directors approved in 2017.

We are committed to:

- Promoting diversity and inclusion in accreditation operations and governance through the work of staff, volunteers and leadership;
- Encouraging diverse talents to be used in accreditation operations and ABET governance; and
- Promoting inclusive practices and diversity in our accredited educational programs.

To underscore our commitment to these principles, the Board of Directors formed the Inclusion, Diversity and Equity Advisory (IDEA) Council. This Council will ensure that we engage fully in helping further the goals of a more diverse, inclusive and equitable environment for students, faculty and administrators associated with ABET-accredited programs, and will report directly to the Board of Directors.

As we look to the future, we remain focused on assuring confidence that the programs we accredit meet the standards essential to prepare graduates to enter critical STEM fields in the global workforce. This solid educational foundation ensures that the next generation of professionals is capable to lead the way in innovation and emerging technologies to improve the welfare and safety of the public and to take on the complex challenges facing our planet.



Best regards,

Mary Leigh Wolfe

Mary Leigh Wolfe, Ph.D.
2018-19 ABET President

Michael K.J. Milligan

**Michael K.J. Milligan,
Ph.D., P.E., CAE**
ABET Executive Director
and Chief Executive Officer

ABET AT A GLANCE

AS OF OCTOBER 1, 2019

WORLDWIDE



4144
PROGRAMS

812
INSTITUTIONS

UNITED STATES



3271
PROGRAMS

639
INSTITUTIONS

OUTSIDE THE US



873
PROGRAMS

173
INSTITUTIONS

INCREASES SINCE 2018

130
PROGRAMS

19
INSTITUTIONS

GLOBAL IMPACT

ABET HAS ACCREDITED PROGRAMS IN 32 COUNTRIES



Austria
Bahrain
Chile
China
Colombia
Ecuador
Egypt
India
Indonesia
Jamaica
Jordan

Kazakhstan
Kuwait
Lebanon
Mexico
Mongolia
Morocco
Oman
Palestine
Peru
Philippines
Poland

Portugal
Qatar
Russian Federation
Saudi Arabia
South Africa
Spain
Turkey
United Arab Emirates
United States of America
Vietnam



ABOUT ABET

We are a purpose-driven organization with ISO 9001:2015 certification. A federation comprised of professional and technical member societies, we accredit college and university programs in the areas of applied and natural science, computing, engineering and engineering technology at the associate, bachelor's and master's degree levels. Based in Baltimore, our reach is global.

As a specialized accreditor, we provide accreditation for post-secondary programs within degree-granting institutions already recognized by national or regional institutional accreditation agencies or national education authorities.

We champion excellence worldwide. Our approach, the standards we set and the quality we guarantee, inspires confidence in those who aim to build a better world—one that is safer, more efficient, more comfortable and more sustainable.

Our accreditation is voluntary and to date 4,144 programs at 812 institutions in 32 countries are ABET-accredited.

With ABET accreditation, students, employers and the society we serve can be confident that a program meets the quality standards that produce graduates prepared to enter a global workforce.

STRATEGIC PRIORITIES 2019-2022

Goal 1: Enhance member society engagement across the scope of ABET activities to maximize the impact and value to both the societies and ABET.

Goal 2: Refine and disseminate a set of consistent, targeted, concise value propositions for ABET accreditation.

Goal 3: Expand ABET quality assurance services in current and emerging educational credentials.

Goal 4: Improve the efficiency and effectiveness of the accreditation cycle.

BE CONFIDENT 2019 ABET AWARDS

As an organization committed to inspiring excellence in higher education, we admire and applaud remarkable achievements. On November 1, 2019, we gathered at the Hilton in Baltimore's Inner Harbor for the ABET Awards Celebration. ABET leadership, Experts and staff came together to celebrate the achievements of some of our most dedicated Experts and individuals who are taking huge strides in bringing diversity and innovation to technical education.



Linton E. Grinter Distinguished Service Award

Recipients of the Linton E. Grinter Distinguished Service Award, ABET's highest honor, are those ABET volunteers who follow in the namesake's footsteps and who surpass even the highest service expectations of the organization. They are acknowledged for outstanding contributions to the technical disciplines through their work in ABET-related activities.

Susan E. Conry

Susan E. Conry, Ph.D., was chosen for her leadership contributing to the integration of computing accreditation into ABET and to the harmonization of criteria and activities among the ABET commissions. Her persuasive actions during two decades of accreditation activities, including service as Chair of the EAC Criteria Committee, Chair of the ABET Accreditation Council Training Committee, Chair of the EAC and Past Chair of the EAC, have made significant and lasting contributions to the improvement of ABET's accreditation activities.

Conry was Distinguished Service Professor at Clarkson University until her retirement as Professor Emerita in 2015. She holds a B.S. degree in mathematics, as well as her master's and doctorate degrees in electrical engineering, all from Rice University. Beginning in 1975, Conry was at Clarkson University in Potsdam, New York, where she held appointments in the

Department of Mathematics and Computer Science and in the Department of Electrical and Computer Engineering. She served as chair of the Department of Electrical and Computer Engineering for five years and was Director of Software Engineering from 2007 until her retirement.

She has been engaged in accreditation activities since 1985. Conry served the Computing Sciences Accreditation Commission (CSAC) of CSAB as a program evaluator, commissioner, and member of the executive committee representing the IEEE Computer Society from 1985 until 1992. Conry also served as a member of EAC of ABET from 2002 until 2013 and has served on the IEEE Committee on Engineering Accreditation Activities (CEAA). Conry continues to serve the engineering education community as an ABET adjunct accreditation director for engineering.

Claire L. Felbinger Award for Diversity and Inclusion

The Claire L. Felbinger Award for Diversity and Inclusion recognizes U.S.-based individuals, educational units, associations and firms for extraordinary success in achieving diversity and inclusiveness or for facilitating diversity and inclusiveness in the technological segments of our society.

CONFIDENT

BE CONFIDENT

BE CONFIDENT



2019 Claire L. Felbinger Award for Diversity and Inclusion recipient Yvette E. Pearson (right) with daughter, Amber.

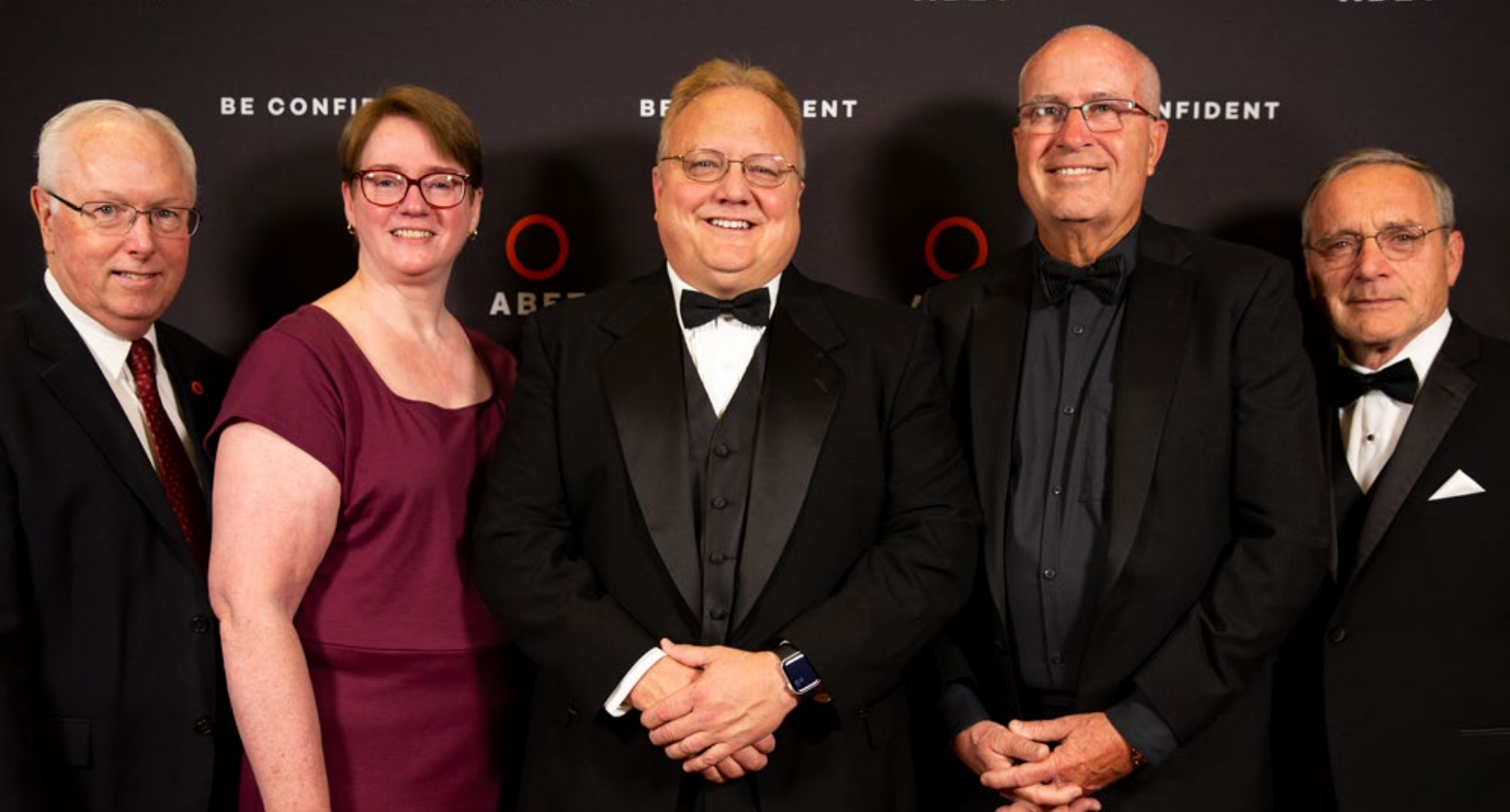
Yvette E. Pearson

We honor Yvette E. Pearson, Ph.D., for advancing engineering to ensure equitable opportunities for systemically marginalized groups, especially women, racial and ethnic minorities, and people with disabilities, through education and advocacy.

Pearson is an internationally recognized leader for her efforts in advancing her profession towards more inclusive engineering education and practice. In addition to her role as the Associate Dean for Accreditation, Assessment and

Strategic Initiatives in the School of Engineering at Rice University, she has been an ABET Program Evaluator representing the American Society of Civil Engineers (ASCE) since 2013.

Pearson's work is especially notable for going beyond the typically addressed dimensions of diversity; she intentionally focuses on often overlooked aspects such as visible and invisible disabilities, socioeconomic status and age.



2019 ABET Fellow Award recipients, from left: Jeffrey R. Keaton, Ann Lee Kenimer, Scott C. Dunning, Kenneth E. Martin and Wayne R. Bergstrom.

ABET Fellow Awards

The ABET Fellow Award is presented annually to recognize those individuals who have given sustained quality service to the ABET-related professions, in general, and to education within the ABET disciplines, in particular, through the activities of ABET.

Wayne R. Bergstrom, Ph.D.

For exceptional service and leadership in the implementation of ABET's governance structure to assure future success.

Jeffrey R. Keaton, Ph.D., P.E.

For outstanding leadership in support of criteria change and for advocacy and awareness of safety protocols.

Scott C. Dunning, Ph.D.

For sustained contributions and leadership in support of engineering technology education.

Ann Lee Kenimer, Ph.D.

For outstanding leadership in enhancing the quality, relevance and impact of ABET accreditation on a global scale.

Kenneth E. Martin, Ph.D.

For sustained contributions to ABET in PEV training, governance restructuring, criteria revision, service on the Computing Area Delegation and leading the integration of computing disciplines into ABET.

ABET Innovation Award

The ABET Innovation Award recognizes vision and commitment that challenge the status-quo in technical education. It honors individuals, organizations or teams that are breaking new ground by developing and implementing innovation into their ABET-accredited programs.



Edward Coyle (holding award), accepting for the Vertically Integrated Projects (VIP) Consortium, 2019 ABET Innovation Award Winner.

Vertically Integrated Projects (VIP) Consortium

For community-building around and dissemination of the Vertically Integrated Projects model, a scalable, cost-effective approach to undergraduate research adopted by 35 colleges and universities in the U.S. and abroad.

ACCREDITATION STATISTICS

As of October 1, 2019

PROGRAMS REVIEWED BY CURRICULAR AREA

2018–19

	ANSAC (AS)	ANSAC (BS)	ANSAC (MS)	CAC (BS)	EAC (BS)	EAC (MS)	ETAC (AS)	ETAC (BS)	TOTAL
Aeronautical	—	—	—	—	—	—	—	1	1
Aerospace	—	—	—	—	14	—	—	—	14
Agricultural	—	—	—	—	4	—	—	—	4
Architectural	—	—	—	—	2	—	1	—	3
Bioengineering and Biomedical	—	—	—	—	34	1	2	—	37
Biological	—	—	—	—	5	—	—	—	5
Chemical	—	—	—	—	40	1	—	—	41
Civil	—	—	—	—	65	1	3	2	71
Communications	—	—	—	—	3	—	—	—	3
Computer Engineering	—	—	—	—	63	1	5	4	73
Computer Science	—	—	—	61	—	—	—	—	61
Construction	—	—	—	—	4	—	1	3	8
Construction Management	—	6	—	—	—	—	—	—	6
Cybersecurity	—	—	—	3	—	—	—	—	3
Electrical	—	—	—	—	96	1	12	11	120
Electromechanical	—	—	—	—	—	—	2	5	7
Engineering Management	—	—	—	—	3	—	—	—	3
Engineering Mechanics	—	—	—	—	1	—	—	—	1
Environmental	—	—	—	—	11	—	—	1	12
Environmental, Health and Safety	—	1	—	—	—	—	—	—	1
Fire Protection	—	—	—	—	—	—	—	1	1

*Individual programs may embrace more than one curricular area, and thus may be counted more than once in this table.

PROGRAMS REVIEWED BY CURRICULAR AREA

2018–19

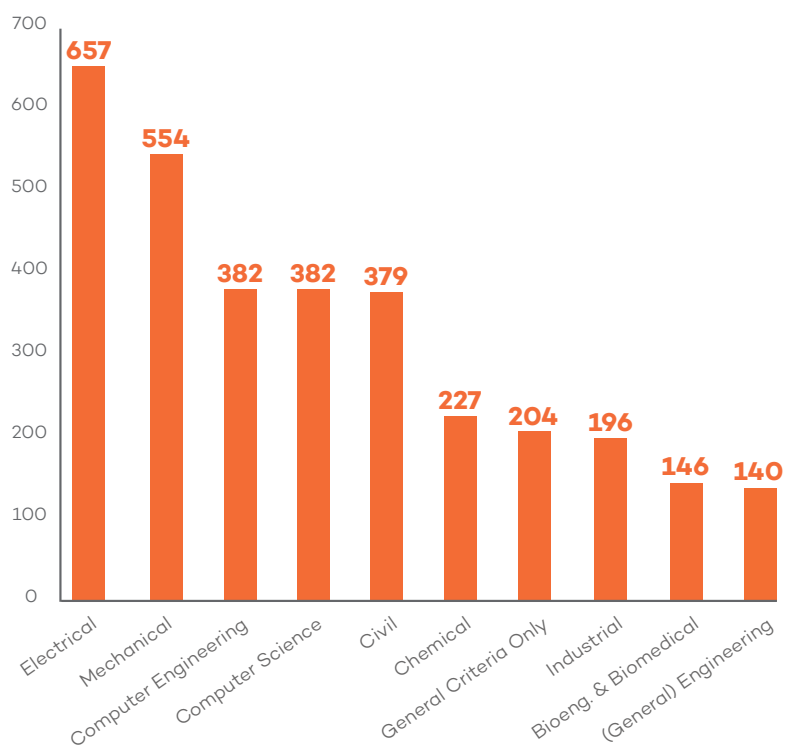
	ANSAC (AS)	ANSAC (BS)	ANSAC (MS)	CAC (BS)	EAC (BS)	EAC (MS)	ETAC (AS)	ETAC (BS)	TOTAL
General Criteria Only	1	9	—	4	18	—	2	8	42
General Engineering	—	—	—	—	23	—	—	4	27
Geological	—	—	—	—	2	—	—	—	2
Industrial	—	—	—	—	32	1	2	1	36
Industrial Hygiene	—	—	2	—	—	—	—	—	2
Information Systems	—	—	—	15	—	—	—	—	15
Information Technology	—	—	—	16	—	—	—	—	16
Manufacturing	—	—	—	—	2	—	2	1	5
Materials	—	—	—	—	14	—	—	—	14
Mechanical	—	—	—	—	84	1	8	10	103
Metallurgical	—	—	—	—	1	—	—	—	1
Mining	—	—	—	—	1	—	—	—	1
Naval Architecture and Marine	—	—	—	—	2	—	—	—	2
Nuclear and Radiological	—	—	—	—	6	—	—	—	6
Ocean	—	—	—	—	2	—	—	—	2
Optics	—	—	—	—	1	—	—	—	1
Petroleum	—	—	—	—	8	—	—	—	8
Safety	—	1	—	—	—	—	—	—	1
Software	—	—	—	—	9	—	—	—	9
Surveying and Geomatics	—	3	—	—	2	—	4	1	10
Systems	—	—	—	—	4	—	—	—	4
TOTAL	1	20	2	99	556	7	44	53	782

*Individual programs may embrace more than one curricular area, and thus may be counted more than once in this table.

ALL ACCREDITED PROGRAMS

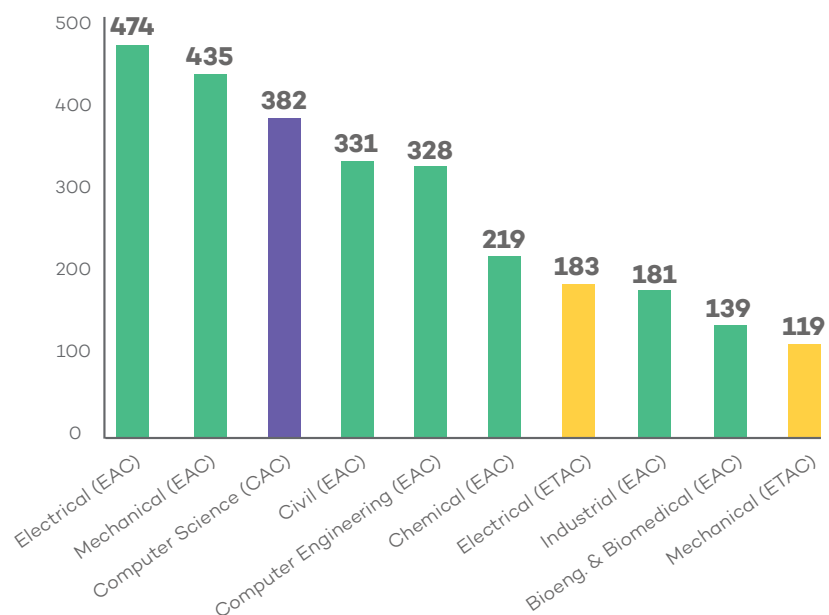
10 LARGEST CURRICULAR AREAS BY NUMBER OF ACCREDITED PROGRAMS ACROSS ALL COMMISSIONS

As of October 1, 2019



10 LARGEST CURRICULAR AREAS ACCREDITED BY COMMISSION

■ CAC ■ EAC ■ ETAC



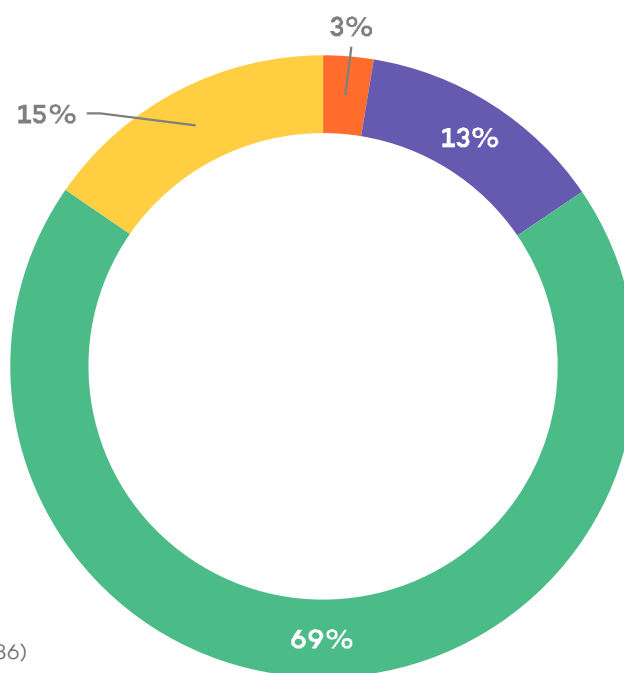
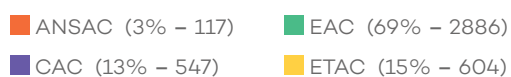
ACTIONS FOR GENERAL REVIEWS

2018-19

	ANSAC	CAC	EAC	ETAC	TOTAL
Next General Review (NGR)	17 74%	79 80%	489 89%	74 81%	659 87%
Interim Report (IR)	6 26%	17 17%	54 10%	14 15%	91 12%
Interim Visit (IV)	—	3 3%	—	2 2%	5 <1%
Show Cause Report (SCR)	—	—	2 <1%	—	2 <1%
Show Cause Visit (SCV)	—	—	—	1 1%	1 <1%
Not to Accredite (NA)	—	—	3 <1%	—	3 1%

ACCREDITED PROGRAMS BY COMMISSION

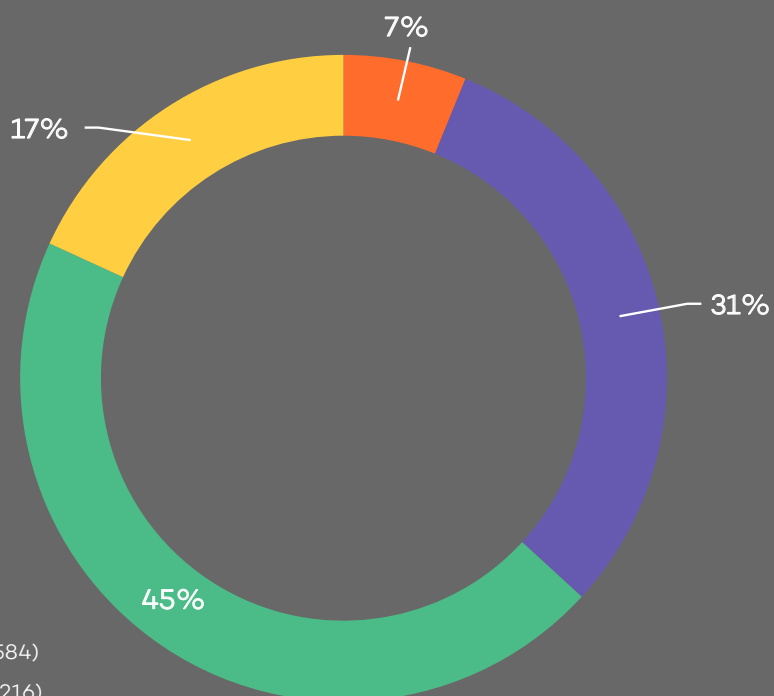
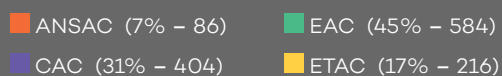
As of October 1, 2019



**Individual programs may embrace more than one curricular area, and thus may be counted more than once in this chart.*

INSTITUTIONS WITH ACCREDITED PROGRAMS BY COMMISSION

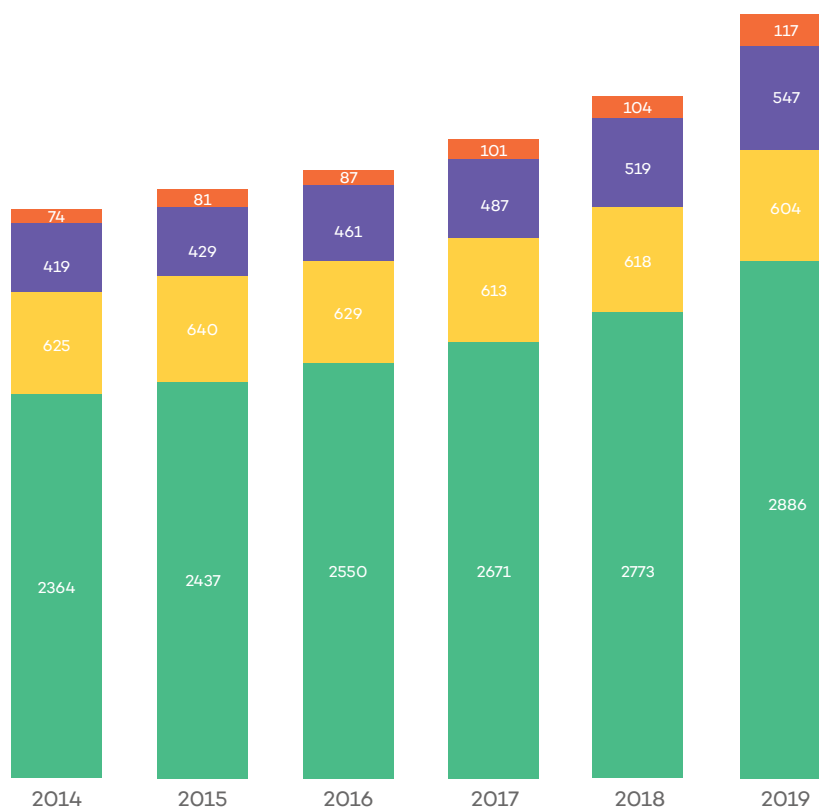
As of October 1, 2019



**Individual programs may embrace more than one curricular area, and thus may be counted more than once in this chart.*

ACCREDITED PROGRAMS BY COMMISSION 2014-19

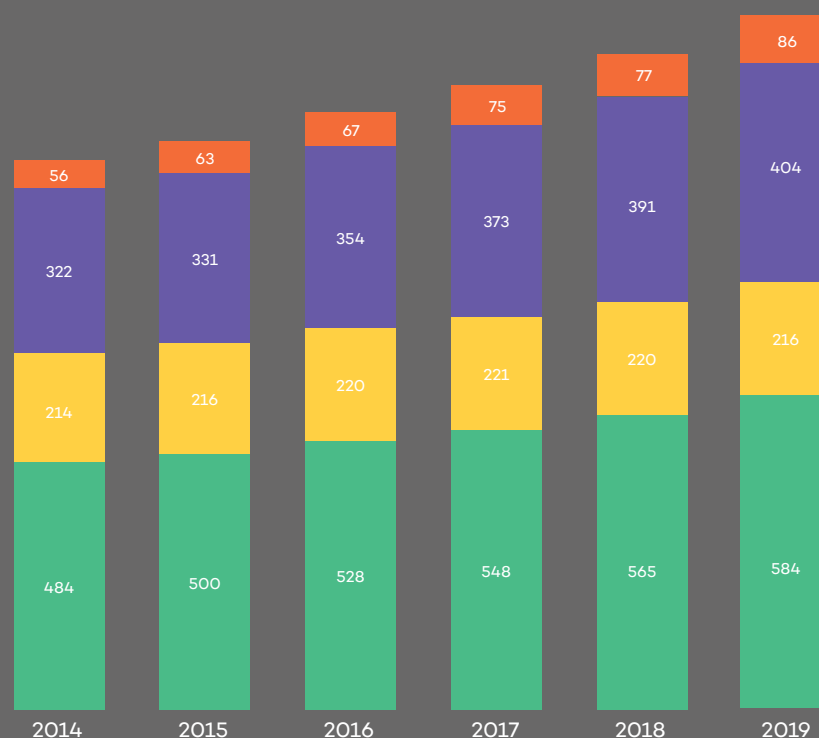
ANSAC EAC
CAC ETAC



**Individual programs may embrace more than one curricular area, and thus may be counted more than once in this chart.*

INSTITUTIONS WITH ACCREDITED PROGRAMS BY COMMISSION 2014-19

ANSAC EAC
CAC ETAC



**Individual programs may embrace more than one curricular area, and thus may be counted more than once in this chart.*

STATISTICS: ACCREDITATION TRENDS

ACTIONS FOR GENERAL REVIEWS, 2014-2019

Applied and Natural Science
Accreditation Commission
(ANSAC)

	NEXT GENERAL REVIEW	INTERIM REPORT	INTERIM VISIT	SHOW CAUSE	NOT TO ACCREDIT
2014	67%	33%	0%	0%	0%
2015	61%	28%	0%	11%	0%
2016	80%	13%	7%	0%	0%
2017	68%	32%	0%	0%	0%
2018	58%	42%	0%	0%	0%
2019	74%	26%	0%	0%	0%

ACTIONS FOR GENERAL REVIEWS, 2014-2019

Computing Accreditation
Commission (CAC)

	NEXT GENERAL REVIEW	INTERIM REPORT	INTERIM VISIT	SHOW CAUSE	NOT TO ACCREDIT
2014	69%	25%	1%	1%	2%
2015	79%	20%	1%	0%	0%
2016	69%	26%	4%	1%	0%
2017	70%	24%	5%	1%	0%
2018	67%	29%	2%	2%	0%
2019	80%	17%	3%	0%	0%

Due to rounding, all numbers presented might not total 100%.

ACTIONS FOR GENERAL REVIEWS, 2014-2019

Engineering Accreditation
Commission (EAC)

	NEXT GENERAL REVIEW	INTERIM REPORT	INTERIM VISIT	SHOW CAUSE	NOT TO ACCREDIT
2014	89%	10%	<1%	<1%	0%
2015	90%	9%	<1%	0%	<1%
2016	85%	13%	<1%	1%	<1%
2017	90%	9%	<1%	0%	<1%
2018	84%	13%	<1%	<1%	2%
2019	89%	10%	0%	<1%	<1%

ACTIONS FOR GENERAL REVIEWS, 2014-2019

Engineering Technology
Accreditation Commission
(ETAC)

	NEXT GENERAL REVIEW	INTERIM REPORT	INTERIM VISIT	SHOW CAUSE	NOT TO ACCREDIT
2014	80%	17%	1%	2%	0%
2015	67%	33%	0%	0%	0%
2016	65%	27%	8%	0%	0%
2017	85%	15%	0%	0%	0%
2018	75%	25%	0%	0%	0%
2019	81%	15%	2%	1%	0%

Due to rounding, all numbers presented might not total 100%.

**PROGRAMS
ACCREDITED BY
CURRICULAR AREA**
As of October 1, 2019

	ANSAC (AS)	ANSAC (BS)	ANSAC (MS)	CAC (BS)	EAC (BS)	EAC (MS)	ETAC (AS)	ETAC (BS)	TOTAL
Aeronautical	—	—	—	—	—	—	1	3	4
Aerospace	—	—	—	—	78	4	—	—	82
Agricultural	—	—	—	—	15	1	—	—	16
Air Conditioning	—	—	—	—	—	—	3	—	3
Architectural	—	—	—	—	27	2	7	4	40
Automotive	—	—	—	—	—	—	1	4	5
Bioengineering and Biomedical	—	—	—	—	138	1	2	5	146
Biological	—	—	—	—	45	—	—	—	45
Ceramic	—	—	—	—	3	—	—	—	3
Chemical	—	—	—	—	218	1	4	4	227
Civil	—	—	—	—	327	3	26	22	378
Communications	—	—	—	—	20	—	—	—	20
Computer Engineering	—	—	—	—	326	2	21	33	382
Computer Science	—	—	—	383	—	—	—	—	383
Construction	—	—	—	—	23	2	9	27	61
Construction Management	—	13	—	—	—	—	—	—	13
Cybersecurity	—	—	—	7	—	—	—	—	7
Drafting and Design (Mechanical)	—	—	—	—	—	—	3	4	7
Electrical	—	—	—	—	471	3	81	103	658
Electromechanical	—	—	—	—	—	—	3	8	11
Engineering	—	—	—	—	112	—	4	24	140
Engineering Management	—	—	—	—	26	3	—	—	29
Engineering Mechanics	—	—	—	—	4	—	—	—	4
Environmental	—	—	—	—	85	3	2	2	92
Environmental, Health and Safety	—	6	—	—	—	—	—	—	6

**Individual programs may embrace more than one curricular area, and thus may be counted more than once in this table.*

**PROGRAMS
ACCREDITED BY
CURRICULAR AREA**

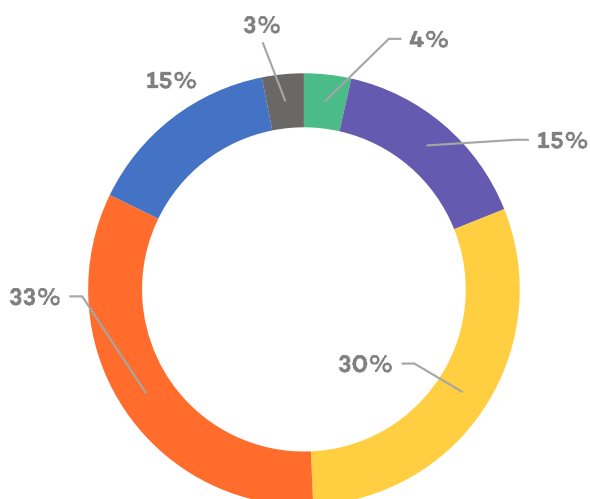
As of October 1, 2019

	ANSAC (AS)	ANSAC (BS)	ANSAC (MS)	CAC (BS)	EAC (BS)	EAC (MS)	ETAC (AS)	ETAC (BS)	TOTAL
Fire Protection	—	—	—	—	1	—	—	1	2
General Criteria Only	2	26	2	24	103	3	19	25	204
Geological	—	—	—	—	18	—	—	—	18
Health Physics	—	3	5	—	—	—	—	—	8
Industrial	—	—	—	—	176	5	5	10	196
Industrial Hygiene	—	5	24	—	—	—	—	—	29
Information Systems	—	—	—	71	—	—	—	—	71
Information Technology	—	—	—	66	—	—	—	2	68
Instrumentation and Control Systems	—	—	—	—	—	—	4	5	9
Manufacturing	—	—	—	—	26	—	5	21	52
Materials	—	—	—	—	67	—	—	—	67
Mechanical	—	—	—	—	433	2	48	71	554
Metallurgical	—	—	—	—	10	—	—	—	10
Mining	—	—	—	—	20	1	—	—	21
Naval Architecture and Marine	—	—	—	—	15	—	3	—	18
Nuclear and Radiological	—	—	—	—	28	1	2	2	33
Ocean	—	—	—	—	10	1	—	—	11
Optics	—	—	—	—	6	—	—	—	6
Petroleum	—	—	—	—	36	—	—	—	36
Safety	1	12	5	—	—	—	—	—	18
Software	—	—	—	—	39	—	—	—	39
Surveying and Geomatics	2	11	—	—	8	—	6	4	31
Systems	—	—	—	—	24	4	—	—	28
Telecommunications	—	—	—	—	10	2	3	2	17
TOTAL	5	76	36	551	2948	44	262	386	4308

*Individual programs may embrace more than one curricular area, and thus may be counted more than once in this table.

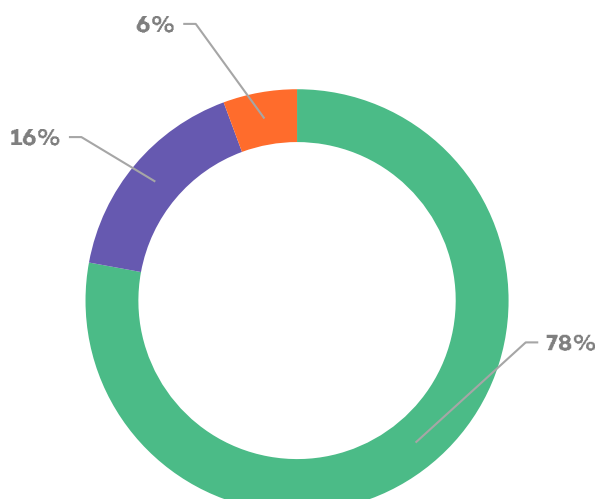
STATISTICS: 2018-19 VOLUNTEER CHARACTERISTICS

AGE



- 30 - 39 (4% - 62)
- 40 - 49 (15% - 271)
- 50 - 59 (30% - 534)
- 60 - 69 (33% - 578)
- 70 - 79 (15% - 258)
- 80 - 89 (3% - 55)

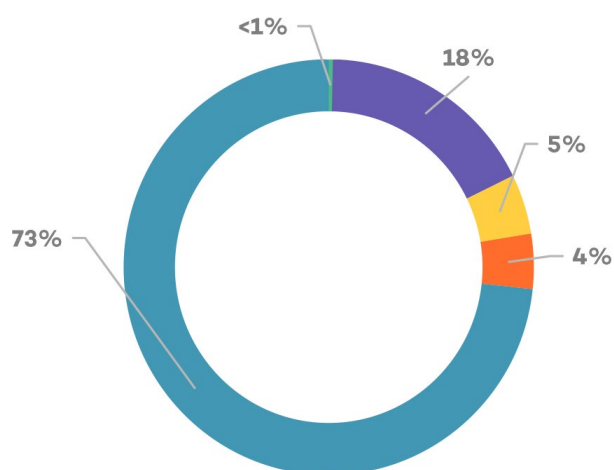
GENDER



- Female (16% - 336)
- Male (78% - 1588)
- Unspecified (6% - 116)

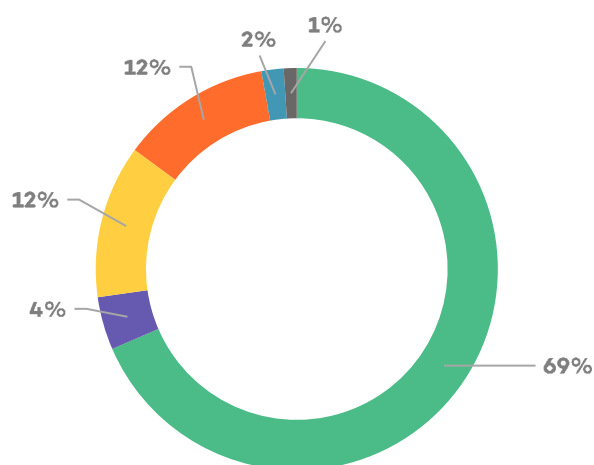
**Data are self-reported and current as of October 1, 2019.*

RACE AND ETHNICITY



- American Indian or Alaskan Native (<1% – 6)
- Asian or Pacific Islander (18% – 322)
- Black or African American, not of Hispanic Origin (5% – 86)
- Hispanic (4% – 79)
- White, not of Hispanic Origin (73% – 1354)

JOB SECTOR



- Academic (69% – 1383)
- Government (4% – 86)
- Industry (12% – 249)
- Practitioner (12% – 244)
- Private (2% – 36)
- Other (1% – 21)

**Data are self-reported and current as of October 1, 2019.*

2018-19 FINANCIAL STATEMENTS

Independent Auditors' Report



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Independent Auditors' Report

The Board of Directors
Accreditation Board for Engineering
and Technology, Inc.
Baltimore, Maryland

We have audited the accompanying financial statements of Accreditation Board for Engineering and Technology, Inc. (ABET) (a nonprofit organization), which comprise the statements of financial position as of September 30, 2019 and 2018, and the related statements of activities and cash flows for the years then ended, the statement of functional expenses for the year ended September 30, 2019, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditors consider internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of ABET as of September 30, 2019 and 2018, and the changes in its net assets and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

COUNCILOR, BUCHANAN & MITCHELL, P.C. – CPAs AND BUSINESS ADVISORS
www.cbmcpcpa.com | (F) 301.986.0432



The Board of Directors
Accreditation Board for Engineering and Technology, Inc.

Emphasis of Matter

As discussed in Note 3 of the financial statements, ABET adopted Financial Accounting Standards Board's (FASB) Accounting Standards Update (ASU) 2016-14, *Not-for-Profit Entities (Topic 958): Presentation of Financial Statements of Not-for-Profit Entities*. The requirements of the ASU have been applied retrospectively to all periods presented. Our opinion is not modified with respect to this matter.

Counilar, Buchanan + Mitchell, P.C.

Washington, D.C.
March 17, 2020

Certified Public Accountants

STATEMENTS OF FINANCIAL POSITION

September 30, 2019 and 2018

	<u>2019</u>	<u>2018</u>
Assets		
Assets		
Cash and Cash Equivalents	\$ 5,575,399	\$ 5,083,143
Accounts Receivable, Less Allowance for Doubtful Accounts of Approximately \$222,000 and \$311,000 for 2019 and 2018, Respectively	1,374,566	771,898
Prepaid Expenses and Other Current Assets	772,042	543,030
Investments	6,152,017	5,789,316
Property and Equipment and Intangible Assets – Net	4,830,857	4,309,467
Investment in Deferred Compensation	369,239	337,762
Total Assets	<u>\$ 19,074,120</u>	<u>\$ 16,834,616</u>
Liabilities and Net Assets		
Liabilities		
Accounts Payable and Accrued Expenses	\$ 1,552,477	\$ 1,415,287
Deferred Revenues	5,750,032	4,762,962
Deferred Compensation Payable	369,239	337,762
Total Liabilities	7,671,748	6,516,011
Net Assets Without Donor Restrictions	11,402,372	10,318,605
Total Liabilities and Net Assets	<u>\$ 19,074,120</u>	<u>\$ 16,834,616</u>

*See accompanying *Notes to Financial Statements* (beginning on page 29).

STATEMENTS OF ACTIVITIES

For the Years Ended September 30, 2019 and 2018

	2019	2018
Changes in Net Assets Without Donor Restrictions		
Support and Revenues		
Accreditation Fees	\$ 9,446,067	\$ 9,568,018
Donated Services	9,851,440	11,031,566
Membership Assessments	1,786,332	1,755,987
Professional Service Revenues	1,100,870	1,191,251
Investment Income (Including Gains of Approximately \$56,000 and \$193,00, Respectively)	211,724	296,317
Other Revenue	198,508	157,916
Total Support and Revenues	22,594,941	24,001,055
Expenses		
Program Services		
Accreditation	7,080,532	6,638,957
Accreditation Donated Services	9,851,440	11,031,566
Total Accreditation	16,931,972	17,670,523
Professional Services	2,021,426	2,307,086
Governance	1,712,905	1,436,164
Total Program Services Expenses	20,666,303	21,413,773
Supporting Services		
General and Administrative	710,298	989,768
Membership	134,573	219,554
Total Supporting Services	844,871	1,209,322
Total Expenses	21,511,174	22,623,095
Increase in Net Assets Without Donor Restrictions	1,083,767	1,377,960
Net Assets Without Donor Restrictions, Beginning of Year	10,318,605	8,940,645
Net Assets Without Donor Restrictions, End of Year	\$ 11,402,372	\$ 10,318,605

*See accompanying *Notes to Financial Statements* (beginning on page 29).

STATEMENT OF FUNCTIONAL EXPENSES

For the Year Ended September 30, 2019

Accreditation Board for Engineering and Technology, Inc.

Statement of Functional Expenses
For the Year Ended September 30, 2019

	Accreditation	Professional Services	Governance	Total Program Services	General and Administrative	Membership	Total Supporting Services	Total Expenses
Professional Fees	\$ 10,462,297	\$ 377,725	\$ 143,627	\$ 10,983,649	\$ 79,997	\$ -	\$ 79,997	\$ 11,063,646
Salaries and Related Expenses	2,727,573	626,758	967,808	4,322,139	451,795	124,047	575,842	4,897,981
Travel	2,678,553	165,103	213,858	3,057,514	6,734	-	6,734	3,064,248
Hosted Meeting	426,527	593,525	213,890	1,233,942	1,921	-	1,921	1,235,863
Office Expense	135,792	74,899	29,552	240,243	18,962	5,206	24,168	264,411
Occupancy	52,724	11,989	18,544	83,257	19,378	5,320	24,698	107,955
Insurance	59,740	3,109	11,775	74,354	9,286	-	9,286	83,640
Bank Fees	21,372	43,875	1,943	67,190	4,836	-	4,836	72,026
Staff Development and Morale	29,116	29,762	4,963	63,841	10,611	-	10,611	74,452
Membership Dues - Organizations	7,783	9,961	28,416	46,160	2,980	-	2,980	49,140
Meeting Registration	3,600	8,183	7,849	19,632	-	-	-	19,632
Marketing	2,333	52,264	1,000	55,597	-	-	-	55,597
Volunteer Registration	27,050	-	27,617	54,667	14	-	14	54,681
Individual Membership Dues	1,188	409	854	2,451	193	-	193	2,644
Depreciation and Amortization	274,564	21,040	22,952	318,556	95,153	-	95,153	413,709
Miscellaneous	22,030	2,824	18,257	43,111	8,438	-	8,438	51,549
Total Expenses	<u>\$ 16,931,972</u>	<u>\$ 2,021,426</u>	<u>\$ 1,712,905</u>	<u>\$ 20,666,303</u>	<u>\$ 710,298</u>	<u>\$ 134,573</u>	<u>\$ 844,871</u>	<u>\$ 21,511,174</u>

STATEMENTS OF CASH FLOWS

For the Years Ended September 30, 2019 and 2018

	<u>2019</u>	<u>2018</u>
Cash Flows from Operating Activities		
Increase in Net Assets Without Donor Restrictions	\$ 1,083,767	\$ 1,377,960
Adjustments to Reconcile Increase in Net Assets Without Donor Restrictions to Net Cash Provided by Operating Activities		
Depreciation and Amortization	413,709	378,207
Investment Income	(211,724)	(296,317)
Loss on Disposal of Property and Equipment and Intangible Asset	20,288	18,098
<u>(Increase) Decrease in Assets</u>		
Accounts Receivable	(602,688)	131,073
Prepaid Expenses and Other Current Assets	(229,012)	(36,426)
Investments in Deferred Compensation	(31,477)	(62,184)
<u>Increase (Decrease) in Liabilities</u>		
Accounts Payable and Accrued Expenses	137,190	(303,861)
Deferred Revenues	987,070	(326,247)
Deferred Compensation Payable	31,477	62,184
Net Cash Provided by Operating Activities	<u>1,598,620</u>	<u>942,487</u>
Cash Flows from Investing Activities		
Purchases of Property and Equipment and Intangible Assets	(955,387)	(578,218)
Proceeds from Redemptions/Sales of Investments	798,549	1,528,523
Purchases of Investments	(949,526)	(1,735,863)
Net Cash Used in Investing Activities	<u>(1,106,364)</u>	<u>(785,558)</u>
Net Increase (Decrease) in Cash and Cash Equivalents	492,256	156,929
Cash and Cash Equivalents, Beginning of Year	<u>5,083,143</u>	<u>4,926,214</u>
Cash and Cash Equivalents, End of Year	<u><u>\$ 5,575,399</u></u>	<u><u>\$ 5,083,143</u></u>

* See accompanying *Notes to Financial Statements* (beginning on page 29).

NOTES TO FINANCIAL STATEMENTS

September 30, 2019 and 2018

1. Organization

Accreditation Board for Engineering and Technology, Inc. (ABET) was organized in 1932 and incorporated in 1963. ABET accredits applied science, computing, engineering, and technology programs at colleges and universities throughout the United States as well as internationally. ABET also conducts faculty improvement workshops. ABET is supported primarily by accreditation fees, donated accreditation services, and membership assessments.

2. Summary of Significant Accounting Policies

Basis of Accounting

The accompanying financial statements are presented on the accrual basis of accounting. Consequently, revenue is recognized when earned and expenses when incurred.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America (U.S. GAAP) requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

Cash and Cash Equivalents

ABET considers all highly-liquid investments with an initial maturity of three months or less, when purchased, to be cash equivalents.

Investments

Investments are stated at fair value. The valuation of the investments is based upon quotations obtained from national securities exchanges. Where securities are not listed on an exchange, quotations are obtained from other published sources.

Accounts Receivable

Accounts receivable are reported at their outstanding balances reduced by an allowance for doubtful accounts, if necessary.

Management periodically evaluates the adequacy of the allowance for doubtful accounts by considering ABET's past receivables' loss experience, known and inherent risks in the accounts receivable population, adverse situations that may affect a client's ability to pay, and current economic conditions.

The allowance for doubtful accounts is increased by charges to bad debt expense and decreased by charge offs of uncollectible accounts receivable balances. Accounts receivable are considered past due, and then charged off based on management's determination that they are uncollectible.

Property and Equipment and Intangible Assets

Acquisitions of property and equipment in excess of \$1,000 are capitalized. Property and equipment are stated at cost, if purchased, or at fair market value at date of donation, if contributed. Depreciation is provided over the estimated useful lives of the assets on a straightline basis. Expenditures and related betterments that extend the useful life of the asset are capitalized. Expenditures for maintenance and repairs, including planned major maintenance activities, are charged to expense as incurred.

Costs of developing database software have been capitalized. Amortization is provided over the estimated time the database will be utilized and commenced as the phases of the database became operational.

Certificate of Deposit - Restricted

ABET has pledged a \$200,000 certificate of deposit to collateralize its American Express credit cards.

Support and Revenues

Revenue from membership assessments is recognized over the period to which the assessments relate, and revenue from professional services is recognized when the related services are performed. Accreditation fees are recognized when ABET releases its final reports.

Contributions received without donor restrictions for ABET's programs are recognized as support when the donor has made an unconditional promise to give. Contributions that are restricted by the donor are reported as increases in net assets with donor restrictions, depending on the existence and/or nature of the restriction. When the stipulated time restriction ends or the purpose of the restriction is met, net assets with donor restrictions are reclassified to net assets without donor restrictions and reported in the statements of activities as net assets released from restrictions.

There were no net assets with donor restrictions as of September 30, 2019 and 2018.

Donated Services

Donated services are recognized as contributions if the services (a) create or enhance nonfinancial assets or (b) require specialized skills, are performed by people with those skills, and would otherwise be purchased by ABET.

Income Taxes

ABET is exempt from income taxes under Section 501(c)(3) of the Internal Revenue Code (the Code). In addition, ABET has been determined by the Internal Revenue Service not to be a private foundation within the meaning of Section 509(a) of the Code.

ABET requires that a tax position be recognized or derecognized based on a "more-likely-than-not" threshold. This applies to positions taken or expected to be taken in a tax return. ABET does not believe its financial statements include, or reflect, any uncertain tax positions.

ABET's IRS Form 990, *Return of Organization Exempt from Income Tax*, and related state filings are subject to examination by federal and state taxing authorities generally for three years after they were filed.

Functional Allocation of Expenses

The financial statements report certain categories of expenses that are attributed to more than one program or supporting function. Therefore, these expenses require allocation on a reasonable basis that is consistently applied. The expenses that are allocated include most operating costs that support various programs and functions. The basis of the allocations is direct costs, which allocates cost based on the department usage of them for program and supporting functions.

Reclassifications

Certain prior year amounts have been reclassified for comparative purposes.

3. Adoption of Accounting Standards Update 2016-14

For the year ended September 30, 2019, ABET adopted Financial Accounting Standards Board (FASB) Accounting Standards Update (ASU) 2016-14, *Not-for-Profit Entities (Topic 958): Presentation of Financial Statements of Not-for-Profit Entities*. This update addresses the complexity and understandability of net asset classification and provides information about liquidity and availability of resources. The changes required by the update have been applied retrospectively to all periods presented. A key change under ASU 2016-14 is the terminology of net asset classes used in these consolidated financial statements. Amounts previously reported as temporarily restricted and permanently net assets, if applicable, are now reported as net assets with donor restrictions. Amounts previously reported as unrestricted net assets are now reported as net assets without donor restrictions. Additionally, ASU 2016-14 requires a presentation of expenses on a functional basis.

(continued)

4. Financial Risk

ABET maintains its cash balances at certain financial institutions which, at times, may exceed federally insured limits. ABET has not experienced any losses in such accounts and believes it is not exposed to any significant financial risk on cash.

ABET invests in professionally managed portfolios that contain mutual funds. Such investments are exposed to various risks such as interest rate, market, and credit. Due to the level of risk associated with such investments and the level of uncertainty related to changes in the value of such investments, it is at least reasonably possible that changes in risks in the near term would materially affect investment balances and the amount reported in the financial statements.

5. Fair Value Measurements

The fair value hierarchy prioritizes the inputs to valuation techniques used to measure fair value into three broad levels as follows:

Level 1 - inputs to the valuation methodology are quoted prices (unadjusted) for identical assets or liabilities in active markets (examples include mutual funds);

Level 2 - inputs to the valuation methodology include quoted prices for similar assets and liabilities in active markets, and inputs that are observable for the asset or liability other than quoted prices, either directly or indirectly, including inputs in markets that are not considered to be active (examples include corporate or municipal bonds and certificates of deposit);

Level 3 - inputs to the valuation methodology are unobservable and significant to the fair value measurement. The inputs into the determination of fair value require significant management judgment (examples include certain private equity securities and split interest agreements).

Categorization within the valuation hierarchy is based upon the lowest input that is significant to the fair value measurement.

The following presents ABET's assets and liabilities measured at fair value as of September 30, 2019:

	Fair Value	Level 1	Level 2	Level 3
Certificates of Deposit	\$ 1,606,653	\$ —	\$ 1,606,653	\$ —
Certificates of Deposit - Restricted	\$ 200,000	\$ —	\$ 200,000	\$ —
Mutual Funds - Alternatives	\$ 551,619	\$ 551,619	\$ —	\$ —
Mutual Funds - Fixed Income	\$ 1,048,205	\$ 1,048,205	\$ —	\$ —
Mutual Funds - Equities	\$ 877,092	\$ 877,092	\$ —	\$ —
Mutual Funds - Exchange Traded Funds	\$ 1,868,448	\$ 1,868,448	\$ —	\$ —
Investment in Deferred Compensation - Mutual Funds	369,239	369,239	—	—
Total Assets at Fair Value	\$ 6,521,256	\$ 4,714,603	\$ 1,806,653	\$ —
Deferred Compensation Liability	\$ 369,239	\$ 369,239	\$ —	\$ —
Total Liabilities at Fair Value	\$ 369,239	\$ 369,239	\$ —	\$ —

The following presents ABET's assets and liabilities measured at fair value as of September 30, 2018:

	Fair Value	Level 1	Level 2	Level 3
Certificates of Deposit	\$ 1,985,413	\$ —	\$ 1,985,413	\$ —
Certificate of Deposit - Restricted	\$ 200,000	\$ —	\$ 200,000	\$ —
Mutual Funds - Alternatives	344,874	344,874	—	—
Mutual Funds - Fixed Income	916,328	916,328	—	—
Mutual Funds - Equities	848,905	848,905	—	—
Mutual Funds - Exchange Traded Funds	1,493,796	1,493,796	—	—
Investment in Deferred Compensation - Mutual Funds	337,762	337,762	—	—
Total Assets at Fair Value	\$ 6,127,078	\$ 3,941,665	\$ 2,185,413	\$ —
Deferred Compensation Liability	\$ 337,762	\$ 337,762	\$ —	\$ —
Total Liabilities at Fair Value	\$ 337,762	\$ 337,762	\$ —	\$ —

ABET's Level 2 investments are valued based on readily available pricing sources for comparable investments.

6. Property and Equipment and Intangible Assets - Net

The major components of property and equipment and intangible assets are as follows:

	2019	2018
Land	\$ 360,000	\$ 360,000
Building	2,858,015	2,107,959
Learning Center	1,056,795	1,506,795
Information Management Systems	1,947,965	1,797,663
Equipment	627,710	618,731
Furniture and Fixtures	239,295	256,950
Computer Software	289,242	310,258
Intangible Assets	57,939	57,939
Subtotal	7,436,961	6,566,295
Less Accumulated Depreciation and Amortization	(2,606,104)	(2,256,828)

7. Donated Services

ABET records donated services for accreditation services rendered by the volunteer commissioners and program evaluators. During the years ended September 30, 2019 and 2018, ABET recorded approximately \$9,851,000 and \$11,032,000, respectively, of donated services and accreditation expense in the statements of activities, which represents approximately 68,000 and 76,000 hours of donated time, respectively.

8. Retirement Plan

ABET has a 403(b) retirement plan (the Plan) open to all employees. Employees are eligible for matching contributions after six months of employment, but can elect to defer their wages immediately. Prior to February 1, 2019, ABET contributed up to 8% of a participant's compensation, subject to statutory limits, provided the participant's elective deferrals equal or exceed 5% of compensation. ABET amended the Plan to change its matching contributions to a discretionary amount. The amendment was effective February 1, 2019. ABET's contribution to the Plan was approximately \$255,000 and \$206,000 for the years ended September 30, 2019 and 2018, respectively.

9. Deferred Compensation Plan

Effective July 1, 2013, ABET established a nonqualified 457(b) deferred compensation plan (the 457 Plan) for certain highly compensated employees. The 457 Plan requires that ABET establish and maintain a book entry account on behalf of the employees for participant salary deferrals and investment experience related to the 457 Plan. Employer contributions are not permitted. ABET is not liable for any specific investment success nor is it required to restore any loss of principal that may occur due to market conditions. Under current law, such funds remain the assets of ABET and, as such, are subject to the creditors of ABET.

10. Related Party Transactions

ABET Foundation, Inc., (the Foundation), a nonprofit corporation, is a supporting organization of ABET. ABET provides services to the Foundation under an Administrative Support Agreement (the Agreement). For the years ended September 30, 2019 and 2018, ABET charged the Foundation approximately \$2,000 and \$8,000, respectively, for services under the Agreement.

11. Employment Agreement

In March of 2015, ABET entered into an employment agreement with its Executive Director (ED). If the ED is terminated for any reason other than cause, as defined in the employment agreement, ABET will pay severance based on the terms of the employment agreement.

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12. Liquidity and Availability of Resources

ABET's cash flows have seasonal variations due to the timing of accreditation fees, membership assessments, and professional services fees billing. ABET manages its liquidity to meet general expenditures, liabilities, and other obligations as they become due.

As of September 30, 2019, the following financial assets and liquidity sources were available for general operating expenditures in the year ending September 30, 2020:

Financial Assets

Cash and Cash Equivalents	\$5,575,399
Accounts Receivable	1,374,566
Investments Less CD's Maturing after September 30, 2020	5,263,494
<hr/>	
Total Financial Assets Available for General Operations	\$ 12,213,459

13. Subsequent Events

ABET has evaluated subsequent events through March 17, 2020, the date on which the financial statements were available to be issued.

ABET has entered into several contracts with hotels and convention centers for its future conferences and meetings. Many of the contracts contain a clause whereby ABET is liable for liquidated damages in the event of cancellation based upon percentage of the contract price determined by the length of time between the cancellation and the event date. Management is currently evaluating its upcoming conferences, meetings, and seminars due to safety concerns and guidance from public health officials related to the spread of COVID-19. Evaluation includes review of contracts with vendors and participants. Consideration is being given to rescheduling, utilizing video conferencing, and other options. The financial impact of the ultimate decisions regarding these events cannot be estimated at this time. However, ABET is working with vendors, host hotels, and the insurance provider to mitigate the financial loss.

2018-19 BOARD OF DIRECTORS

The ABET Board of Directors is the governing body responsible for strategic planning, financial oversight and managing the external relationships of our organization. It is also the final review body for appeal of decisions regarding accreditation actions for a specific program.

Our Board of Directors is comprised of 13 members: a President, President-Elect, Past-President, Secretary, Treasurer, four Area Directors, two At-Large Directors, one Public Director and the Executive Director/CEO (non-voting).

The Board of Directors is advised by three board-level councils: Academic, Industry and Global.

Officers

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Mary Leigh Wolfe, Ph.D.
Virginia Polytechnic Institute
and State University

Past President

Michael R. Lightner, Ph.D.
University of Colorado at Boulder

President-Elect

David P. Kelly, M.S., MBA
InnovaSea

Secretary

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Professor Emeritus, University of
Wyoming

Directors

Applied and Natural Science Area Director

Hamid Fonooni, Ph.D.
University of California – Davis

Computing Area Director

Andrew T. Phillips, Ph.D.
United States Naval Academy

Engineering Area Director

Dianne Chong, Ph.D.
The Boeing Company (Retired)

Engineering Technology Area Director

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College

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Hewlett Packard Enterprise

Public Director

Nicole M. Chestang, MBA
Nicole Chestang & Assoc., LLC

Executive Director and Chief Executive Officer

Michael K.J. Milligan, Ph.D., P.E., CAE
ABET

2018-19 BOARD OF DELEGATES

The ABET Board of Delegates is responsible for approving accreditation policies and procedures, general criteria and the organization of our accreditation commissions.

Our Board of Delegates is comprised of 1-3 representatives from each of ABET's member societies. The number of seats on the Board of Delegates is determined by the number of accredited programs for which the society is responsible. The President-Elect serves as a non-voting Chair of the Board of Delegates.

The Board of Delegates is advised by the Accreditation Council.

AAEES – American Academy of Environmental Engineers and Scientists

John H. Koon, Ph.D.
Georgia Institute of Technology

AAMI – Association for the Advancement of Medical Instrumentation

Steven J. Yelton, P.E., CHTM
Cincinnati State Technical and Community College

ACerS – The American Ceramic Society

Alexis Clare, Ph.D.
New York State College of Ceramics at Alfred University

AIAA – American Institute of Aeronautics and Astronautics

Brett Anderson, MBA, P.E.
The Boeing Company

AIChE – American Institute of Chemical Engineers

Laura Dietsche, Ph.D., P.E.
Dow Chemical Company
Thomas R. Hanley, Ph.D.
Auburn University

AIHA – American Industrial Hygiene Association

Lawrence W. Whitehead, Ph.D., FAIHA
University of Texas-Houston

ANS – American Nuclear Society

Stanley H. Levinson, Ph.D., P.E.
Framatome, Inc. (retired)

ASABE – American Society of Agricultural and Biological Engineers

Van C. Kelley, Ph.D., P.E.
South Dakota State University

ASCE – American Society of Civil Engineers

Allen Estes, Ph.D., P.E.
California Polytechnic State University

David Hornbeck, Ph.D., P.E.
The Southern Polytechnic College of Engineering and Engineering Technology at Kennesaw State University
(Professor Emeritus)

Thomas A. Lenox, Ph.D.
American Society of Civil Engineers

ASEE – American Society for Engineering Education

Walter Buchanan, Ph.D., J.D., P.E.
Texas A&M University
Thomas Conry, Ph.D., P.E.
University of Illinois

ASHRAE – American Society of Heating, Refrigerating, and Air-Conditioning Engineers

Mike Brandemuehl, Ph.D.
University of Colorado

ASME – American Society of Mechanical Engineers

Mohammad M. Dehghani, Ph.D.
Missouri University of Science and Technology

Thomas Singer, M.A.
Sinclair Community College

William Wepfer, Ph.D.
Professor Emeritus, Georgia Institute of Technology

ASSP – American Society of Safety Professionals

Christopher A. Janicak, Ph.D.
Indiana University of Pennsylvania

AWS – American Welding Society

Jeff Hufsey

BMES – Biomedical Engineering Society

Gail Baura, Ph.D.
Loyola University Chicago

John D. Gassert, Ph.D., P.E.
Milwaukee School of Engineering

CMAA – Construction Management Association of America

Chris Payne, P.E., CCM

CSAB

Kenneth E. Martin, Ph.D.
University of North Florida
Professor and Founding Director Emeritus

Barbara Price, Ph.D.
Georgia Southern University

Stanley Thomas, Ph.D.
Wake Forest University

IEEE – Institute of Electrical and Electronics Engineers

Kenneth Cooper, Ph.D.
Washington Savannah River Co.
(Retired)

Stephen M. Phillips, Ph.D.
Arizona State University

S.K. Ramesh, Ph.D.
California State
University, Northridge

IISE – Institute of Industrial & Systems Engineers

J. Turner Hughey, M.S.
Chromcraft Revington Douglas
Ind Ltd

Jessica Oswalt, Ph.D.
Tennessee Technological University

INCOSE – International Council on Systems Engineering

Phillip J. Brown, M.S., P.E.
Systems Engineering Associates

ISA – International Society of Automation

Robert P. Kosar

MRS – Materials Research Society

Todd C. Hufnagel, Ph.D.
Johns Hopkins University

NCEES – National Council of Examiners for Engineering and Surveying

Michelle Rambo-Roddenberry,
Ph.D., P.E., F.ASCE
FSU College of Engineering

NSPE – National Society of Professional Engineers

Jon D. Nelson, P.E.
Tetra Tech, Inc.

NSPS – National Society of Professional Surveyors

Robert Schmidt, M.S.

SAE International

Daniel Skurski, M.S.

SFPE – Society of Fire Protection Engineers

Louis Guerrazzi, M.S.
Society of Fire Protection
Engineers

SME

Ron Bennett, Ph.D., MBA
University of St. Thomas,
Saint Paul

SME-AIME – Society for Mining, Metallurgy, and Exploration

Richard Sweigard, Ph.D.
University of Memphis

SNAME – Society of Naval Architects and Marine Engineers

Captain Paul J. Roden, M.S.
United States Coast Guard

SPE – Society of Petroleum Engineers

Lloyd Heinze, Ph.D., MBA
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SPIE – The International Society for Optics and Photonics

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