

The University of Akron
Undergraduate Computing Degree Programs

| Undergraduate Degree Programs | Credit Hour Requirements |
|---|--|
| <ul style="list-style-type: none"> • BS Computer Engineering (CE discipline) – options include: <ul style="list-style-type: none"> ○ Without Co-Op ○ With Co-Op <ul style="list-style-type: none"> ▪ Dept. of Electrical & Computer Engineering (College of Engineering) | General Education: 36+ credits (Math: Calculus I) Additional Mathematics/Statistics: 21 credits (Discrete Math, Calculus II & III, Prob. & Stats for Engineers, Differential Equations) Business: 0 credits Computing: 60 credits Electrical Engineering: 12 credits Total: 137 credits |
| <ul style="list-style-type: none"> • BS Computer Science (CS discipline) – tracks include: <ul style="list-style-type: none"> ○ Systems ○ Management <ul style="list-style-type: none"> ▪ Dept. of Computer Science (Buchtel College of Arts & Sciences) | General Education: 36+ (Math: Calculus I) Additional Mathematics/Statistics: 14 credits (Discrete Math, Calculus II, Applied Stats/Prob. & Stats for Engineers) <i>Foreign Language: 14 credits</i> Business: 0-3 credits (Management) Computing: 44-47 credits Total: 120 credits |
| <ul style="list-style-type: none"> • BS Management (IS discipline) option in: <ul style="list-style-type: none"> ○ Information Systems Management <ul style="list-style-type: none"> ▪ Dept. of Management (College of Business Administration) | General Education: 36+ (Math: College Algebra) Additional Mathematics/Statistics: 6 credits (Business Calculus, Business Stats) Business: 39+ credits Computing: 29 credits Total: 128 credits |
| <ul style="list-style-type: none"> • BS Computer Information Systems (IT/IS disciplines) – options include: <ul style="list-style-type: none"> ○ Networking – IT discipline ○ Programming – IS discipline ○ Web Development – IT/IS discipline ○ <i>Cybersecurity – IT/Criminal Justice disciplines</i> ○ <i>Digital Forensics – IT/Criminal Justice disciplines</i> ○ <i>Specialized IT Applications – IT/Electronics Technology disciplines</i> <ul style="list-style-type: none"> ▪ Dept. of Business & Information Technology (College of Applied Science & Technology) | General Education: 36+ (Math: College Algebra) Additional Mathematics/Statistics: 3-9 credits (Precalculus, Basic Stats, Discrete Math) Business: 15 credits (Intro to Business, Management, Accounting/Finance, Marketing) Computing: 54-64 credits Total: 120-124 credits |
| <ul style="list-style-type: none"> • AAB Computer Information Systems (IT/IS disciplines) – options include: <ul style="list-style-type: none"> ○ Computer Networking – tracks include: <ul style="list-style-type: none"> ▪ CISCO Networking ▪ Microsoft Networking ○ Programming ○ Web Development <ul style="list-style-type: none"> ▪ Dept. of Business and Information Technology (College of Applied Science & Technology) | General Education: 18 credits (Math: College Algebra) Additional Mathematics/Statistics: 0 credits Business: 12 credits Computing: 30 credits Total: 60 credits |

Computing Disciplines: CE (Computer Engineering), CS (Computer Science), IS (Information Systems), IT (Information Technology), SE (Software Engineering)

Sources:

- http://www.acm.org/education/education/curric_vols/CC2005-March06Final.pdf
- http://computingcareers.acm.org/?page_id=6
- <http://www.uakron.edu>

