## The University of Texas at Austin Bachelor of Science, Physics, Teaching, Math, Physical Science, and Engineering, 126 Hours 2020-2022 Catalog Expires Summer 2028

# Four-year Degree Suggestion (for planning purposes only) Currently enrolled students should meet with their academic advisor

### **FIRST YEAR**

Core/Major: M 408C (Mathematics I) (Quantitative Reasoning Flag)	Fall:	
Core: RHÉ 306 (Communication I) 3 hours  Algor: UTS 101 3 hours  Algor: UTS 101 3 hours  Spring:  Major: M 408D 4 hours  Algor: PHY 301 (Science & Tech - Natural Sciences I) (Quantitative Reasoning Flag) 3 hours  Major: PHY 301 (Science & Tech - Natural Sciences I) (Quantitative Reasoning Flag) 3 hours  Algor: PHY 101 1 1 hour  Core: VAPA (Visual & Performing Arts I) (May carry a flag) 3 hours  Core: VAPA (Visual & Performing Arts I) (May carry a flag) 3 hours  Core: VAPA (Visual & Performing Arts I) (May carry a flag) 3 hours  Summer:  Core: GOV 310L (Government I) 3 hours  Core: US History (History I) (May carry a flag) 3 hours  SECOND YEAR  Fall:  Major: M 427.I (Quantitative Reasoning Flag) 4 hours  Algor: PHY 316 (Science & Tech - Natural Sciences I) (Quantitative Reasoning Flag) 3 hours  Major: CH 204 2 hours  Major: CH 204 2 hours  Major: CH 204 3 hours  Spring:  Major: M 427.L  Major: PHY 315 (Quantitative Reasoning Flag) 1 hour  Major: PHY 315 (Quantitative Reasoning Flag) 3 hours  Total 16 hours  Spring:  Major: PHY 315 (Quantitative Reasoning Flag) 3 hours  Major: DHY 315 (Quantitative Reasoning Flag) 3 hours  Total 17 hour 3 hours  Total 17 hours  Major: DHY 315 (Quantitative Reasoning Flag) 3 hours  Total 17 hour 3 hours  Total 17 hours	Core/Major: M 408C (Mathematics 1) (Quantitative Reasoning Flag)	4 hours
Core   LOS 302 (Writing Flag)/303 (Institutionally Designated Option 1) (May carry a flag)   1 hour Total 14 hours		3 hours
Anjor: UTS 101	Core: RHE 306 (Communication I)	
Spring:  Major: M 408D	Core: UGS 302 (Writing Flag)/303 (Institutionally Designated Option 1) (May carry a flag)	
Major: M 408D	Major: UTS 101	=
Major: M 408D		Total 14 hours
Cofe / Major: PHY 301 (Science & Tech - Natural Sciences 1) (Quantitative Reasoning Flag)         3 hours           Major: PHY 101L         3 hours           Core: VAPA (Visual & Performing Arts I) (May carry a flag)         3 hours           Core: VAPA (Visual & Performing Arts I) (May carry a flag)         3 hours           Major: UTS 110         1 hour           Summer:           Core: GOV 310L (Government I)         3 hours           SECOND YEAR           Fall:           Major: M 427J (Quantitative Reasoning Flag)         4 hours           Core Major: PHY 316 (Science & Tech - Natural Sciences 1) (Quantitative Reasoning Flag)         4 hours           Major: M 427J (Major: PHY 316 (Science & Tech - Natural Sciences 1) (Quantitative Reasoning Flag)         3 hours           Major: CH 204         2 hours           Major: BDC 365C         3 hours           Spring:           Major: PHY 315 (Quantitative Reasoning Flag)         4 hours           Major: PHY 315 (Quantitative Reasoning Flag)         3 hours           Major: PHY 355         3 hours           Major: PHY 355         3 hours           Major: PHY 355         3 hours           Major: EDC 365D         3 hours           Summer: <td>Spring:</td> <td></td>	Spring:	
Major: PHY 101L         1 hour           Core: VAPA (Visual & Performing Arts I) (May carry a flag)         3 hours           Core/Major: CH 302 (Science & Tech - Natural Sciences 2)         1 hour           Major: UTS 110         1 hour           Summer:           Core: GOV 310L (Government 1)         3 hours           Core: US History (History 1) (May carry a flag)         3 hours           SECOND YEAR           Fall:           Major: M 427J (Quantitative Reasoning Flag)         4 hours           Core/Major: PHY 316 (Science & Tech - Natural Sciences 1) (Quantitative Reasoning Flag)         3 hours           Major: PHY 316 (Science & Tech - Natural Sciences 1) (Quantitative Reasoning Flag)         3 hours           Major: PHY 315 (Science & Tech - Natural Sciences 1) (Quantitative Reasoning Flag)         3 hours           Major: BDC 365C         3 hours           Spring:           Major: PHY 315 (Quantitative Reasoning Flag)         4 hours           Major: PHY 315 (Quantitative Reasoning Flag)         3 hours           Major: PHY 315 (Quantitative Reasoning Flag)         3 hours           Major: EDC 365D         3 hours           Major: EDC 365D         3 hours           Major: EDC 365D         3 hours           Summer:         Total 17 hours </td <td></td> <td></td>		
Core: VAPA (Visual & Performing Arts I) (May carry a flag)         3 hours           Core / Major: CH 302 (Science & Tech - Natural Sciences 2)         3 hours           Major: UTS 110         1 hour           Summer:           Core: GOV 310L (Government 1)         3 hours           Core: US History (History 1) (May carry a flag)         3 hours           SECOND YEAR           Fall:           Major: M 427J (Quantitative Reasoning Flag)         4 hours           Core: Major: PHY 316 (Science & Tech - Natural Sciences 1) (Quantitative Reasoning Flag)         3 hours           Major: PHY 316 (Science & Tech - Natural Sciences 1) (Quantitative Reasoning Flag)         1 hour           Major: PHY 315 (Science & Tech - Natural Sciences 2) (Quantitative Reasoning Flag)         3 hours           Major: PHY 315 (Science & Tech - Natural Sciences 3) (Quantitative Reasoning Flag)         3 hours           Major: PHY 315 (Quantitative Reasoning Flag)         3 hours           Major: PHY 315 (Quantitative Reasoning Flag)         3 hours           Major: PHY 315 (Quantitative Reasoning Flag)         3 hours           Major: DC 365D         3 hours           Major: EDC 365D         3 hours           Total 17 hours           Summer:           Core: GOV 312L (Government 1)         3 h		
Summer:		1 hour
Major: UTS 110         1 hour Total 15 hours           Summer:           Core: GOV 310L (Government 1)         3 hours           Core: US History (History 1) (May carry a flag)         3 hours           SECOND YEAR           Fall:           Major: M 427J (Quantitative Reasoning Flag)         4 hours           Core: Major: PHY 316 (Science & Tech - Natural Sciences 1) (Quantitative Reasoning Flag)         3 hours           Major: PHY 116L         1 hour           Major: CH 204         2 hours           Major: M 315C         3 hours           Major: EDC 365C         3 hours           Total 16 hours           Spring:           Major: PHY 315 (Quantitative Reasoning Flag)         3 hours           Total 17 hours		
Summer:  Core: GOV 310L (Government 1) 3 hours Core: US History (History 1) (May carry a flag) 3 hours  SECOND YEAR  Fall:  Major: M 427J (Quantitative Reasoning Flag) 4 hours Core: Major: PHY 316 (Science & Tech - Natural Sciences 1) (Quantitative Reasoning Flag) 3 hours Major: PHY 116L 1 hour Major: CH 204 2 hours Major: M 315C 3 hours Major: BDC 365C 3 hours  Spring:  Major: M 427L Major: M 427L Major: PHY 315 (Quantitative Reasoning Flag) 3 hours		
Summer:   Core: GOV 310L (Government 1)   3 hours	Major: UTS 110	=
Core: GOV 310L (Government 1)		Total 15 hours
Core: US History (History 1) (May carry a flag)  SECOND YEAR  Fall:  Major: M 427J (Quantitative Reasoning Flag) Core/Major: PHY 316 (Science & Tech – Natural Sciences 1) (Quantitative Reasoning Flag) Alpor: M 427L (Augustitative Reasoning Flag) Alpor: M 427L (Augustitative Reasoning Flag) Alpor: EDC 365C  Spring:  Major: M 427L 4 hours Alajor: PHY 315 (Quantitative Reasoning Flag) Alpor: PHY 355 Alpor: PHY 355 Alpor: Alpor: PHY 355 Alpor: Alpor: EDC 365D Elective: (May carry a flag)  Summer:  Core: GOV 312L (Government 1)  3 hours		
SECOND YEAR           Fall:           Major: M 427J (Quantitative Reasoning Flag)         4 hours           Core/Major: PHY 316 (Science & Tech – Natural Sciences 1) (Quantitative Reasoning Flag)         3 hours           Major: CH 204         2 hours           Major: M 315C         3 hours           Major: EDC 365C         3 hours           Spring:           Major: M 427L         4 hours           Major: PHY 315 (Quantitative Reasoning Flag)         3 hours           Major: PHY 355         3 hours           Major: EDC 365D         3 hours           Elective: (May carry a flag)         3 hours           Summer:         Total 17 hours           Core: GOV 312L (Government 1)         3 hours		
Fall:         Major: M 427J (Quantitative Reasoning Flag)       4 hours         Core: Major: PHY 116L       1 hour         Major: CH 204       2 hours         Major: M 315C       3 hours         Major: EDC 365C       3 hours         Spring:         Major: M 427L       4 hours         Major: PHY 315 (Quantitative Reasoning Flag)       3 hours         Major: PHY 315 (Quantitative Reasoning Flag)       3 hours         Major: PHY 355       3 hour         Major: EDC 365D       3 hours         Elective: (May carry a flag)       3 hours         Summer:         Core: GOV 312L (Government 1)       3 hours	Core: US History (History 1) (May carry a flag)	3 hours
Major: M 427J (Quantitative Reasoning Flag)       4 hours         Core/Major: PHY 316 (Science & Tech - Natural Sciences 1) (Quantitative Reasoning Flag)       3 hours         Major: PHY 116L       1 hour         Major: CH 204       2 hours         Major: M 315C       3 hours         Major: EDC 365C       3 hours         Spring:         Major: M 427L       4 hours         Major: PHY 315 (Quantitative Reasoning Flag)       3 hours         Major: PHY 115L       1 hour         Major: PHY 355       3 hours         Major: EDC 365D       3 hours         Elective: (May carry a flag)       3 hours         Summer:         Core: GOV 312L (Government 1)       3 hours	SECOND YEAR	
Core/Major: PHY 1316 (Science & Tech – Natural Sciences 1) (Quantitative Reasoning Flag)       3 hours         Major: PHY 116L       1 hour         Major: CH 204       2 hours         Major: M 315C       3 hours         Major: EDC 365C       3 hours         Spring:         Major: M 427L       4 hours         Major: PHY 315 (Quantitative Reasoning Flag)       3 hours         Major: PHY 115L       1 hour         Major: PHY 355       3 hours         Major: EDC 365D       3 hours         Elective: (May carry a flag)       3 hours         Summer:         Core: GOV 312L (Government 1)       3 hours		
Major: PHY 116L       1 hour         Major: CH 204       2 hours         Major: M 315C       3 hours         Major: EDC 365C       3 hours         Spring:         Major: M 427L         Major: PHY 315 (Quantitative Reasoning Flag)       3 hours         Major: PHY 115L       1 hour         Major: PHY 355       3 hour         Major: EDC 365D       3 hours         Elective: (May carry a flag)       3 hours         Summer:         Core: GOV 312L (Government 1)       3 hours	Major: M 427J (Quantitative Reasoning Flag)	4 hours
Major: CH 204       2 hours         Major: M 315C       3 hours         Major: EDC 365C       3 hours         Spring:         Major: M 427L       4 hours         Major: PHY 315 (Quantitative Reasoning Flag)       3 hours         Major: PHY 115L       1 hour         Major: PHY 355       3 hours         Major: EDC 365D       3 hours         Elective: (May carry a flag)       3 hours         Summer:         Core: GOV 312L (Government 1)       3 hours		3 hours
Major: M 315C       3 hours         Major: EDC 365C       3 hours         Total 16 hours         Spring:         Major: M 427L       4 hours         Major: PHY 315 (Quantitative Reasoning Flag)       3 hours         Major: PHY 115L       1 hour         Major: PHY 355       3 hours         Major: EDC 365D       3 hours         Elective: (May carry a flag)       3 hours         Summer:         Core: GOV 312L (Government 1)       3 hours		1 hour
Major: EDC 365C       3 hours Total 16 hours         Spring:         Major: M 427L       4 hours         Major: PHY 315 (Quantitative Reasoning Flag)       3 hours         Major: PHY 115L       1 hour         Major: PHY 355       3 hours         Major: EDC 365D       3 hours         Elective: (May carry a flag)       3 hours         Summer:         Core: GOV 312L (Government 1)       3 hours		2 hours
Total 16 hours           Spring:           Major: M 427L         4 hours           Major: PHY 315 (Quantitative Reasoning Flag)         3 hours           Major: PHY 15L         1 hour           Major: PHY 355         3 hours           Major: EDC 365D         3 hours           Elective: (May carry a flag)         3 hours           Summer:           Core: GOV 312L (Government 1)         3 hours		3 hours
Spring:         4 hours           Major: M 427L         3 hours           Major: PHY 315 (Quantitative Reasoning Flag)         3 hours           Major: PHY 355         3 hour           Major: EDC 365D         3 hours           Elective: (May carry a flag)         3 hours           Summer:         Total 17 hours           Core: GOV 312L (Government 1)         3 hours	Major: EDC 365C	3 hours
Major: M 427L       4 hours         Major: PHY 315 (Quantitative Reasoning Flag)       3 hours         Major: PHY 115L       1 hour         Major: EDC 365D       3 hours         Elective: (May carry a flag)       3 hours         Summer:         Core: GOV 312L (Government 1)       3 hours		Total 16 hours
Major: PHY 315 (Quantitative Reasoning Flag)       3 hours         Major: PHY 115L       1 hour         Major: PHY 355       3 hour         Major: EDC 365D       3 hours         Elective: (May carry a flag)       3 hours         Total 17 hours         Summer:         Core: GOV 312L (Government 1)       3 hours		
Major: PHY 115L       1 hour         Major: PHY 355       3 hour         Major: EDC 365D       3 hours         Elective: (May carry a flag)       3 hours         Total 17 hours         Summer:         Core: GOV 312L (Government 1)       3 hours		
Major: PHY 355       3 hour         Major: EDC 365D       3 hours         Elective: (May carry a flag)       3 hours         Total 17 hours         Summer:         Core: GOV 312L (Government 1)       3 hours		
Major: EDC 365D Elective: (May carry a flag)  Summer: Core: GOV 312L (Government 1)  3 hours 3 hours Total 17 hours		1 hour
Elective: (May carry a flag)  Summer:  Core: GOV 312L (Government 1)  3 hours  3 hours		
Total 17 hours  Summer: Core: GOV 312L (Government 1) 3 hours		
Summer: Core: GOV 312L (Government 1) 3 hours	Elective: (May carry a flag)	
Core: GOV 312L (Government 1) 3 hours		Total 17 hours
	Summer:	
Core: US History (History 1) (May carry a flag) 3 hours		
	Core: US History (History 1) (May carry a flag)	3 hours

#### **THIRD YEAR**

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Major: PHY 353L (Writing Flag)	3 hours
Major: Upper Division Physics <sup>1</sup>	3 hours
Major: M 325K	3 hours
Core/Major: HIS 329U (Social & Behavioral Science 1) (Writing Flag)	3 hours
Elective: (May carry a flag)	3 hours
	Total 15 hours

#### Spring:

Major: Upper Division Physics	3 hours
Major: ES 301	3 hours
Major: M 333L	3 hours
Major: M 362K	3 hours
Major: PHY 341 (Writing Flag) (Quantitative Reasoning Flag) (Independent Inquiry Flag)	3 hours
	Total 15 hours

#### Summer:

Opportunities:

- Study AbroadInternship
- Course(s)

## **FOURTH YEAR**

#### Fall:

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Core: E 316L/M/N/P (Humanities I) (May carry a flag)	3 hours
Major: Upper Division Physics1	3 hours
Major: M 358K	3 hours
Major: ME 377K	3 hours
Major: EDC 365E	3 hours
Elective: (May carry a flag)	3 hours
	Total 15 hours
Spring:	
Major: EDC 651S	6 hours
Major: UTS 170	1 hour
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6 hours 1 hour Total 7 hours

# Summer:

Opportunities:

- MaymesterFinal Course(s)

### **LEGEND**

Terms:

Major: As published in the Undergraduate Catalog Elective: Additional hours needed to reach the degree plan total required hours

<sup>1</sup> Chosen from the following courses: Physics 329, 333, 336K, 338K, 352K, 373, SCI 365: Physics by Inquiry.