## College Planning Essentials

A comprehensive guide to saving and investing 2020 Edition


## Section 1 | COLLEGE MATTERS

Discover how a college diploma can pay off with higher income,
lower unemployment and other lifelong benefits.
44\%
Jobs requiring a higher level of education
than five years ago ${ }^{1}$


Families having to rule out colleges because of cost ${ }^{2}$ to pay.

## Section 3 | FINANCIAL AID

Learn what financial aid is, how it works and why it's important to save for the expenses not covered by free grants and scholarships.

## Section 4 | SAVING \& INVESTING

Make informed decisions about how much to save, when to start, where to invest and which plan can help your money work hardest.

## 57\%

## Section 5 | APPENDIX

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## Higher education pays

A college diploma opens the door to a lifetime of higher earnings.


1. U.S. Census Bureau, J.P. Morgan Asset Management. For workers aged 18 and older, 2018. Data come from the Current Population Survey and are published under historical income tables by person by the U.S. Census Bureau. College costs are based on The College Board's 2019 Trends in College Pricing for average tuition, fees and room and board at an in-state four-year university.
2. U.S. Census Bureau, Current Population Survey, 2019 Annual Social and Economic Supplement. Lifetime earnings are based on current mean earnings for workers aged 25 to 29, assuming $3 \%$ annual pay raises over 40 years.
3. Pew Research Center, Millennial life: How young adulthood today compares with prior generations, February 2019.

## More education, less unemployment

College graduates enjoy much better job security and opportunity, especially during economic downturns.

## BRIGHT JOB PROSPECTS

- The number of collegeeducated Americans with jobs has increased 32\% since the beginning of the Great Recession in December 2007. ${ }^{\text {² }}$
- Only 3.8\% of recent college graduates are unemployed, vs. $6.5 \%$ of young workers without college degrees. ${ }^{3}$

2. Bureau of Labor Statistics, Employment Situation Report, December 2007 and August 2019.
3. Federal Reserve Bank of New York, June 2019.
J.P.Morgan

Asset Management

## "Major" differences in salaries

Choice of college major has a significant impact on a graduate's starting salary.

Average yearly starting salary by college major for the class of 2018


## SALARIES ON THE RISE

- Average starting salaries for the class of 2018 are $13.4 \%$ higher than for the class of 2013.
- If salaries continue rising at this pace, the average child born today would earn roughly $\$ 86,445$ in the first year after college.


## Tuition inflation

College tuition costs have increased more quickly than any other household expense in recent decades.

College tuition vs. other expenses Cumulative percent price change since 1983


## WHY COSTS ARE RISING

- Colleges spend more to attract the best students.
- Colleges hire more faculty and administrative staff.
- Colleges receive less financial support from states.


## Future four-year college costs

The younger the child, the more college is likely to cost. Add up four years per child, and it equals one of a family's largest expenses.

Projected cost of a four-year college education
based on child's current age


[^0]
## The community college option

Some students choose to live at home and attend community college in their freshman and sophomore years.


1. J.P. Morgan Asset Management, using The College Board, 2019 Trends in College Pricing. Future college costs estimated to inflate 5\% per year. Average tuition, fees and room and board for public college reflect four-year, in-state charges. Community college costs are based on tuition and fees for an in-district student.
2. Sallie Mae, How America Pays for College, 2019.
J.P.Morgan

Asset Management

## Financial aid overview

College costs continue rising while financial aid has been declining - leaving families to cover more of the expenses.

Annual college costs ${ }^{1}$
(four-year public university)


Total financial aid ${ }^{2}$
(undergraduate students, in billions)


1. The College Board, 2018 Trends in College Pricing. Based on average tuition, fees and room and board at an in-state four-year university.
2. The College Board, 2019 Trends in Student Aid. Includes federal, state, institutional and private grants as well as federal work-study, tax benefits, veterans benefits and loans.

## Financial aid reality check

Many families expect more free money from grants and scholarships than they are likely to receive.

Grant reality 2018-19 (need-based) ${ }^{1}$


FEW FREE RIDES

## $0.3 \%$

of college students receive enough grants and scholarships to cover costs. ${ }^{2}$

Athletic scholarships usually cover only a small portion of college costs ... and only for the select few who receive them.


1. ScholarshipStats.com, for National Collegiate Athletic Association (NCAA), National Association of Intercollegiate Athletics (NAIA), junior colleges and community colleges. All data are for 2018-19 school year.
2. Section 529 of the Internal Revenue Code defines a family member as a son, daughter, stepson or stepdaughter, or a descendant of any such person; a brother, sister, stepbrother, or stepsister; a father or mother, or an ancestor of either; a stepfather or stepmother; a son or daughter of a brother or sister; a brother or sister of the father or mother; a son-in-law, daughter-in-law, father-in-law, mother-in-law, brother-in-law, or sister-in-law; the spouse of the beneficiary or the spouse of any individual described above; or a first cousin of the beneficiary. Gift or generationskipping transfer taxes may apply. Please consult your tax professional for more information.
3. Federal and state income taxes are due on any investment earnings. Consult your tax professional for more information.
4. NCAA, for 2018-19 school year.

Asset Management

The Department of Education calculates the Expected Family Contribution (EFC) used to determine your financial aid eligibility.


1. Based on federal methodology for 2019-20 school year. To learn more about how EFC is calculated,
see https:///ifap.ed.gov/sites/default/files/attachments/efcformulaguide/1920EFCFormulaGuide.pdf.
2. Protected amount for parents is dependent upon a number of factors, including household size and number of students in college.

## Estimating Expected Family Contribution

Use this chart to estimate your Expected Family Contribution, the amount used to determine federal financial aid eligibility.

Annual Expected Family Contribution (EFC)
Examples based on income and assets
ASSETS (EXCLUDING PRIMARY RESIDENCE AND RETIREMENT ACCOUNTS)


## The effect of savings on financial aid

Savings count far less than income when calculating your Expected Family Contribution and financial aid eligibility.

Big difference in college savings, little difference in financial aid Federal financial aid for two families earning identical income and sending a child to the same college costing \$50,000 per year


## 529 PLAN ADVANTAGE

When a 529 account is owned by parents, it has much less impact on federal financial aid eligibility than custodial accounts or other student-owned assets.

POTENTIAL FEDERAL FINANCIAL AID - EXPECTED FAMILY CONTRIBUTION

The Smiths have \$200,000 more in savings but are expected to contribute only $\$ 10,936$ more to college.

Maximum parental savings considered in federal financial aid formulas

Families can file their Free Application for Federal Student Aid (FAFSA) as early as October 1 of the year before college classes begin, using income and tax information from two years before college.

Example: Student starting college in 2021


## DID YOU KNOW?

- For students to be considered for aid, FAFSA must be filed for every year in college, based on income and tax information from two years prior.
- Withdrawals from parentowned 529 plans are not considered income on FAFSA.
- Withdrawals from 529 plans owned by grandparents or others are treated as student income.


## The burden of debt

Families that don't save enough for college often have no other choice than to borrow.


1. Savingforcollege.com, July 23, 2019. For bachelor's degree recipients in the class of 2019. Based on an analysis by Mark Kantrowitz of data from the 1992-93, 1995-96, 1999-00, 2003-04, 2007-08, 2011-12 and 2015-16 National Postsecondary Student Aid Study (NPSAS), with geometric interpolation and projection in between NPSAS years.
2. Experian, based on an analysis of U.S. Department of Education data, July 2019.
3. Federal Reserve Bank of New York, Household Debt and Credit Report, Q2 2019.

## Student debt and Millennial finances

Paying off student loans can leave young college graduates with less wealth and retirement savings.

Millennials with student debt vs. those without ${ }^{1}$

WITH STUDENT DEBT WITHOUT STUDENT DEBT


Understanding the different college savings vehicles can help you choose the right one for your needs.


## 529 college savings plan

- Tax-free investing and withdrawals for qualified education expenses ${ }^{1}$
- Account owner control for the life of the account
- No income limits on contributors or age restrictions on beneficiaries
- High contribution maximums, often \$400,000 or more per beneficiary²
- Low impact on financial aid eligibility
- Assets removed from taxable estate
- Tax-free gifts of up to \$150,000 per beneficiary in a single year ${ }^{3}$



## Custodial account (UGMA/UTMA)

- Some investment earnings may be taxed at child's rate, the rest at rates for trusts/estates
- Child assumes control at age of majority, usually 18 or 21
- Funds must be used for the child's benefit, not necessarily for college
- High impact on financial aid eligibility
- Assets not removed from taxable estate if donor is also custodian




## Coverdell Education Savings Account

- Tax-free investing and withdrawals for qualified expenses at any level of education ${ }^{5}$
- Must contribute before beneficiary turns 18 and generally must use assets by age 30
- Income limits on contributors
- Maximum contribution of \$2,000 annually per beneficiary
- Low impact on financial aid eligibility
- Assets removed from taxable estate


1. Earnings on federal non-qualified withdrawals may be subject to federal income tax and a $10 \%$ federal penalty tax, as well as state and local income taxes. New York State tax deductions may be subject to recapture in certain additional circumstances such as rollovers to another state's 529 plan, or withdrawals used to pay elementary or secondary school tuition ("K-12 Tuition Expenses"), registered apprenticeship program expenses ("Apprenticeship Program Expenses"), or qualified education loan repayments ("Qualified Education Loan Expenses") as described in the Disclosure Booklet and Tuition Savings Agreement. State tax benefits for non-resident New York taxpayers may vary. Tax and other benefits are contingent on meeting other requirements. Please consult your tax professional about your particular situation.
2. The maximum aggregate balance of all accounts for the same beneficiary in qualified tuition programs sponsored by the State of New York, as established by the Program Administrators from time to time, which will limit the amount of contributions that may be made to accounts for any one beneficiary, as required by Section 529 of the Internal Revenue Code. The current maximum account balance is \$520,000.
3. Maximum gifts are $\$ 150,000$ per beneficiary from married couples and $\$ 75,000$ from single tax filers. No additional gifts can be made to the same beneficiary over a five-year period. If the donor does not survive the five years, a portion of the gift is returned to the taxable estate.
4. Strategic Insight, 529 Industry Analysis: 2019.
5. Earnings on non-qualified withdrawals may be subject to federal income tax and a $10 \%$ federal penalty tax, as well as state and local income taxes.

## Don’t just save, invest

Families often choose vehicles that don't maximize growth potential, such as savings accounts, CDs and taxable investments.


[^1]2. J.P. Morgan Asset Management. Illustration assumes an initial $\$ 10,000$ contribution and monthly contributions of $\$ 500$ for 18 years. Chart also assumes an annual investment return of $6 \%$ and an annual cash return of $2 \%$, both compounded monthly. Investment losses could affect the relative tax-deferred investing advantage. This hypothetical illustration is not indicative of any specific investment and does not reflect the impact of fees or expenses. Each investor should consider his or her current and anticipated investment horizon and income tax bracket when making an investment decision, as the illustration may not reflect these factors. These figures do not reflect any management fees or expenses that would be paid by a 529 plan participant. Such costs would lower performance. This chart is shown for illustrative purposes only. Past performance is no guarantee of future results.

College savings goals may be more manageable when you break them down into monthly investments and start early.

|  | PUBLIC COLLEGE¹ |  |  |  | PRIVATE COLLEGE¹ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Child's current age | Total fouryear cost | Monthly investment to pay: |  |  | Total fouryear cost | Monthly investment to pay: |  |  |
| Newborn | \$227,684 | \$297 | \$446 | \$595 | \$517,293 | \$676 | \$1,013 | \$1,351 |
| 3 | \$196,682 | \$341 | \$512 | \$682 | \$446,857 | \$775 | \$1,162 | \$1,550 |
| 6 | \$169,901 | \$407 | \$610 | \$813 | \$386,012 | \$924 | \$1,385 | \$1,847 |
| 9 | \$146,767 | \$516 | \$773 | \$1,031 | \$333,452 | \$1,171 | \$1,757 | \$2,343 |
| 12 | \$126,783 | \$734 | \$1,101 | \$1,467 | \$288,048 | \$1,667 | \$2,500 | \$3,334 |
| 15 | \$109,520 | \$1,389 | \$2,083 | \$2,777 | \$248,827 | \$3,155 | \$4,732 | \$6,310 |

## BIG PLANS

Nearly nine in 10 parents want to pay at least 50\% of college costs. ${ }^{2}$

## ARE FOUR YEARS ENOUGH?


5.1 years

Average time to complete bachelor's degree ${ }^{3}$

1. J.P. Morgan Asset Management. Based on average tuition, fees and room/board costs for 2019-20 school year, The College Board, 2019 Trends in College Pricing. Costs estimated to inflate 5\% per year. This hypothetical example illustrates the future values of different regular monthly investments for different time periods and assumes an annual investment return of $6 \%$, compounded monthly. This hypothetical example does not represent the performance of any particular investment. Different assumptions will result in outcomes different from this example. Your results may be more or less than the figures shown. These figures do not reflect the impact of fees or expenses that would be paid by a 529 plan participant. Such costs would lower performance. A plan of regular investment cannot ensure a profit or protect against a loss in a declining market.
2. Savingforcollege.com, 2017 Annual College Savings Survey.
3. National Student Clearinghouse Research Center, Time to Degree, September 2016.

See how much you should have invested today, based on a child's current age and the percent of total college costs you plan to pay.

## PUBLIC COLLEGE



|  | PUBLIC COLLEGE |  |  |
| :---: | :---: | :---: | :---: |
| Total fouryear cost | Current inve $50 \%$ | nent to be o 75\% | rack to pay: $100 \%$ |
| \$196,682 | \$41,034 | \$61,551 | \$82,068 |
| \$169,901 | \$42,218 | \$63,327 | \$84,436 |
| \$146,767 | \$43,436 | \$65,153 | \$86,871 |
| \$126,783 | \$44,688 | \$67,033 | \$89,377 |
| \$109,520 | \$45,977 | \$68,966 | \$91,955 |


| PRIVATE COLLEGE |  |  |  |
| :---: | :---: | :---: | :---: |
| Total four- <br> year cost | Current investment to be on track to pay: <br> $50 \%$ | $75 \%$ | $100 \%$ |

## BELOW YOUR NUMBER?

- Start or increase monthly investments and gifts from family and friends.
- Invest extra money from tax refunds, bonuses, raises or paying off debts.
- Enhance after-tax return potential with a 529 plan.
- Consult a financial professional about your specific situation.

Source: J.P. Morgan Asset Management. Based on average tuition, fees and room/board costs for 2019-20 school year, The College Board, 2019 Trends in College Pricing. Costs estimated to inflate $5 \%$ per year. This hypothetical example illustrates the future values of lump-sum contributions with no additional contributions for different time periods and assumes an annual investment return of 6\%, compounded monthly. This hypothetical example does not represent the performance of any particular investment. Different assumptions will result in outcomes different from this example. Your results may be more or less than the figures shown. These figures do not reflect the impact of fees or expenses that would be paid by a 529 plan participant. Such costs would lower performance. A plan of regular investment cannot ensure a profit or protect against a loss in a declining market.

## The benefits of compounding

The sooner you start saving, the more time you have to grow your college fund through the power of long-term compounding.


[^2]529 plans allow large contributions that can help you pay for much of college from investment earnings instead of your pocket.

Investing vs. paying out-of-pocket
Amounts needed to fund four years of private college for a newborn


[^3]It costs less to invest than borrow because you're earning interest and other investment returns instead of paying interest.

## 529 college savings plan vs. college loan

Initial investment of $\$ 1,000$ plus monthly
investments of \$300¹



## IT TAKES A PLAN

Without a plan, families run the risk of not saving enough and borrowing too much. Yet 57\% don't have a plan to pay for college. ${ }^{2}$

1. J.P. Morgan Asset Management. The investing illustration assumes an initial lump-sum investment of $\$ 1,000$, subsequent monthly investments of $\$ 300$ thereafter for 18 years, and assumes an annual investment return of $6 \%$, compounded monthly. Investment losses could affect the relative tax-deferred investing advantage. Each investor should consider his or her current and anticipated investment horizon and income tax bracket when making an investment decision, as the illustration may not reflect these factors. The borrowing illustration assumes an interest rate of $7.08 \%$ and a payback period of 10 years. This hypothetical illustration is not indicative of any specific investment and does not reflect the impact of fees or expenses. This chart is shown for illustrative purposes only. Past performance is no guarantee of future results.
2. Sallie Mae, How America Pays for College, 2019.

A tax-advantaged 529 plan has the potential to grow more quickly than a taxable investment earning the exact same returns.

Lower taxes equal a larger college fund
Investment growth over 18 years ${ }^{1}$


How taxes erode investment returns
After-tax returns on a 6\% investment gain

- TAXES - AFTER-TAX RETURN



## STATE TAX BENEFITS

Many 529 plans offer state tax benefits in addition to federal tax-free investing. ${ }^{2}$ See the Appendix on page 43 for more information.

1. J.P. Morgan Asset Management. Illustration assumes an initial $\$ 10,000$ investment and monthly investments of $\$ 500$ for 18 years. Chart also assumes an annual investment return of 6\%, compounded monthly, and a federal tax rate of $32 \%$. Investment losses could affect the relative tax-deferred investing advantage. This hypothetical illustration is not indicative of any specific investment and does not reflect the impact of fees or expenses. Each investor should consider his or her current and anticipated investment horizon and income tax bracket when making an investment decision, as the illustration may not reflect these factors. These figures do not reflect any management fees or expenses that would be paid by a 529 plan participant. Such costs would lower performance. This chart is shown for illustrative purposes only. Past performance is no guarantee of future results.
2. Earnings on non-qualified withdrawals may be subject to federal income tax and a $10 \%$ federal penalty tax, as well as state and local income taxes.
J.P.Morgan

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Only 529 plans allow five years of tax-free gifts in one year to help families meet college costs and manage estate taxes.

## One gift at birth can pay for nearly four years of college



All 529 plan gifts and investment gains are removed from the contributor's taxable estate - without losing control.

1. No additional gifts can be made to the same beneficiary over a five-year period. If the donor does not survive the five years, a portion of the gift is returned to the taxable estate.
2. J.P. Morgan Asset Management. Illustration assumes an annual investment return of $6 \%$, compounded monthly. This example does not represent the performance of any particular investment. Different assumptions will result in outcomes different from this example. Your results may be more or less than the figures shown. Investment losses could affect the relative tax-deferred investing advantage. Each investor should consider his or her current and anticipated investment horizon and income tax bracket when making an investment decision, as the illustration may not reflect these factors. These figures do not reflect any management fees or expenses that would be paid by a 529 plan participant. Such costs would lower performance. Average projected four-year college costs are based on The College Board's 2019 Trends in College Pricing, assuming $5 \%$ annual inflation. This chart is shown for illustrative purposes only. Past performance is no guarantee of future results.

## Catching up on college savings

By funding 529 plans with manageable amounts from multiple sources, later starters may still have time to achieve their goals.

Combining savings strategies can increase college funds
Investment growth over 8 years
Public college costs covered


Source: J.P. Morgan Asset Management. This hypothetical illustration assumes an annual investment return of 6\%, compounded monthly. Investment losses could affect the relative tax-deferred investing advantage. Each investor should consider his or her current and anticipated investment horizon and income tax bracket when making an investment decision, as the illustration may not reflect these factors. "All strategies combined" reflects $\$ 625$ monthly investments, plus $\$ 6,000$ in combined annual tax refunds, bonuses and family gifts. Projected four-year college costs are based on The College Board's 2019 Trends in College Pricing, assuming 5\% annual inflation. Projected college costs for this example are $\$ 139,778$, which includes average tuition, fees and room and board at an in-state public college. Different assumptions will result in outcomes different from this example. Your results may be more or less than the figures shown. This example does not represent the performance of any specific investment and does not reflect any management fees or expenses that would be paid by a 529 plan participant. These costs would lower performance. This chart is shown for illustrative purposes only. Past performance is no guarantee of future results.

Asset Management

## Don't pay for college with retirement funds

Every dollar used for college can mean several less for retirement, due to years of lost investment earnings and compounding.

2. J.P. Morgan Asset Management. This illustration assumes that assets would have remained in a tax-advantaged retirement account instead of being withdrawn for college, earning $6 \%$ annual investment returns for 20 years, compounded monthly. This example does not represent the performance of any particular investment. Different assumptions will result in outcomes different from this example. Your results may be more or less than the figures shown. Investment losses could affect the relative tax-deferred investing advantage. Each investor should consider his or her current and anticipated investment horizon and income tax bracket when making an investment decision, as the illustration may not reflect these factors. These figures do not reflect any management fees or expenses. Such costs would lower performance. Shown for illustrative purposes only. Past performance is no guarantee of future results.
3. Distributions from certain retirement accounts, including IRAs, may not be subject to the $10 \%$ penalty tax if used for qualified higher education expenses. Income taxes may be due on withdrawals if certain requirements are not met. Refer to IRS Publication 970 or consult your tax professional regarding your personal circumstances.

## How K-12 withdrawals impact college savings

Withdrawing money from a 529 plan before college can leave families with less during college.

The price of $\mathrm{K}-12$ withdrawals
Growth of \$500 monthly investments over 18 years ${ }^{1}$


## \$114,913 less

Equals approximately two years of projected four-year public
college costs ${ }^{3}$

1. J.P. Morgan Asset Management. Illustration assumes an annual investment return of 6\%, compounded monthly. It also assumes $\$ 10,000$ annual K-12 withdrawals between ages 9 and 17. This example does not represent the performance of any particular investment. Different assumptions will result in outcomes different from this example. Your results may be more or less than the figures shown. Investment losses could affect the relative tax-deferred investing advantage. Each investor should consider his or her current and anticipated investment horizon and income tax bracket when making an investment decision, as the illustration may not reflect these factors. These figures do not reflect any management fees or expenses that would be paid by a 529 plan participant. Such costs would lower performance. This chart is shown for illustrative purposes only. Past performance is no guarantee of future results.
2. Under New York State law, a withdrawal used to pay K-12 Tuition Expenses, Apprenticeship Program Expenses and Qualified Education Loan Expenses are considered non-qualified distributions and will require the recapture of any New York State tax benefits that had accrued on contributions.
3. The College Board, 2019 Trends in College Pricing, assuming 5\% annual inflation. Based on average tuition, fees and room and board at an in-state public college.

Even small increases in investment returns can make a big difference when it comes time to pay for college.

Small increases in returns, big impact on college funds
Growth of \$100,000 investment over 18 years


Slightly higher returns can pay for a full year of college

| 5.0\% | 5.5\% | 6.0\% | 6.5\% | 7.0\% |
| :---: | :---: | :---: | :---: | :---: |
| $\$ 240,662$ | $+\$ 21,485$ | $+\$ 44,772$ | $+\$ 70,004$ | +\$97,331 |
| initial investment | covers a full | covers nearly a | covers a full | covers nearly two |
| of \$100,000 | year's cost at | year's cost at | year's cost at | full years' cost at |
|  | public college <br> (in-state) | private college | Ivy League college | private college |

## SEEKING HIGHER RETURNS

- Be an investor, not just
a saver in low-yielding bank accounts.
- Stay invested for the long haul to avoid the risk of being out of markets during upswings.
- Reduce taxes to keep more of what you earn.
- Invest in actively managed funds with potential to outperform passive indexes.

Compare the best, worst and average annual returns for different investments over rolling 18-year periods.

Best, worst and average rolling 18-year periods
Average annual returns, 1983-2018


## CHART HIGHLIGHTS

- Average returns for both stocks and bonds outpaced tuition inflation.
- The diversified portfolio delivered higher returns than bonds with lower volatility than stocks.
- Average returns for shortterm cash did not keep pace with tuition inflation.


## Getting into college

Applying to colleges has become easier thanks to the Common Application, but competition is now higher.


What matters most on college applications?
(Percent of colleges ranking "considerable importance") ${ }^{3}$
$+$

|  |  |  |  |
| :---: | :---: | :---: | :---: |
| Overall <br> GPA | Grades in college <br> prep classes | SAT/ACT <br> scores | Strength of <br> curriculum |
| $\mathbf{8 1 \%}$ | $\mathbf{7 1 \%}$ | $\mathbf{5 2 \%}$ | $\mathbf{5 1 \%}$ |


|  |  | Less important |  |
| :---: | :---: | :---: | :---: |
| Essay/Writing <br> sample | Class | Teacher <br> recommendation | Extracurricular <br> activities |
| $\mathbf{1 7 \%}$ | $\mathbf{9 \%}$ | $\mathbf{7 \%}$ | $\mathbf{4 \%}$ |

1. National Center for Education Statistics. Average test scores are for the 75th percentile.
2. Niche.com, 2019 College Admissions Report.
3. National Association for College Admission Counseling, 2018 State of College Admission.

Federal financial aid
fafsa.gov
studentaid.ed.gov

## irs.gov

(IRS Publication 970, Tax Benefits for Education)

529 college savings plans
collegesavings.org
savingforcollege.com

College preparation
collegeboard.org
collegeconfidential.com
act.org

Grants and scholarships
fastweb.com
cappex.com
petersons.com
finaid.org

College Ioans
studentloans.gov

Aid for New York residents
(including the Excelsior Scholarship)
hesc.ny.gov

Aid for students studying overseas
iefa.org


## Financial aid: Types of applications

Nearly 400 mostly private, specialized or highly selective institutions require students to submit the CSS Profile in addition to the FAFSA. ${ }^{1}$ The CSS Profile is an online application used to determine eligibility for need-based institutional scholarships, grants or loans and is a more detailed assessment of a family's finances.

|  | FAFSA <br> (Federal Methodology) | CSS Profile ${ }^{2}$ <br> (Institutional Methodology) |
| :---: | :---: | :---: |
| Type of application | Standard, universal application required by every institution | College-specific application required by nearly 400 institutions in addition to the FAFSA |
| Type of financial aid | Need-based federal and institutional aid | Need-based institutional aid |
| Income and assets considered when calculating Expected Family Contribution (EFC) | Taxable income <br> Nontaxable income (child support, workers' compensation, disability, etc.) Interest and dividend income Cash and savings Irrevocable family trusts Student trusts <br> Investment and real estate net worth (excluding primary home) Business or farm net worth ${ }^{3}$ | Same as Federal Methodology, plus: <br> Untaxed Social Security benefits <br> Tax credits and itemized deductions Parents' assets held in all children's names Noncustodial parent information Home equity <br> Business income (losses) Rental income (losses) |
| Allowances and expenses considered when calculating EFC | Number in household <br> Number of family members enrolled in college at least half-time <br> Federal income tax <br> State tax ${ }^{4}$ <br> FICA tax <br> Employment expenses <br> Income protection allowance <br> Education savings and asset protection allowance Child support paid | Same as Federal Methodology, plus: <br> Medical and dental expenses <br> Private elementary and secondary school tuition for siblings <br> Emergency reserve allowance |

1. The College Board.
2. The CSS Profile may vary by institution. See financial aid office or net price calculator at your desired institution for more information about what is used to calculate awards.
3. Only if more than 100 full-time employees in the Federal Methodology.
4. Sales and property taxes also considered in the Institutional Methodology.

|  |  | 2019-20 award year |
| :---: | :---: | :---: |
|  | DETAILS | ANNUAL AWARD LIMIT ${ }^{1}$ |
| Federal Pell Grant | Generally awarded to undergraduate students in financial need | $\begin{gathered} \text { up to } \\ \$ 6,195 \end{gathered}$ |
| Federal Supplemental Educational Opportunity Grant (FSEOG) | Awarded to undergraduate students with exceptional financial need <br> Federal Pell Grant recipients receive priority <br> Not all colleges participate <br> Funds depend on availability at the college; apply by college's deadline | up to $\$ 4,000$ |
| Teacher Education Assistance for College and Higher Education (TEACH) Grant | For undergraduate, post-baccalaureate or graduate students who are taking or will be taking coursework necessary to become elementary or secondary teachers <br> Must attend a participating college and meet certain academic achievement requirements <br> Must agree to serve as a full-time teacher in a high-need field and low-income area for at least four years within the first eight years after college <br> Failure to complete the teaching service commitment results in grant funds being converted to a Federal Direct Unsubsidized Stafford Loan that must be repaid | up to $\$ 4,000$ |
| Iraq and Afghanistan Service Grant | Non-need-based, this grant is available to any undergraduate student who is not eligible for the Pell Grant and whose parent or guardian died as a result of performing military service in Iraq or Afghanistan after the events of 9/11 <br> Must have been younger than 24 years old or enrolled at least part-time at the time of the parent's or guardian's death | $\begin{aligned} & \text { up to } \\ & \$ 6,195 \end{aligned}$ |

[^4]This is for informational purposes only. To learn more, visit https://studentaid.ed.gov/sa/types/grants-scholarships.

|  | LENDER | EиС¢в | Interest rate' | AnNUAL LOAN LIMTi |
| :---: | :---: | :---: | :---: | :---: |
| Direct Subsidized Stafford Loans | U.S. Department of Education | Undergraduate students nrolled at least half-time and financial need |  | \$3,500-\$5,500 |
| Direct Unsubsidized Stafford Loans | U.S. Department of Education | Undergraduate and gratuat students enoled at least halt-ine, rearad of financolial need |  |  |
| Direct PLUS <br> Loan for Parents | U.S. Department of Educatio |  |  | Cost of attendance (determined by the school) minus any othe financial aid received |
| Direct PLUS <br> Loan for Graduate or Professional Students | U.S. Department of Education |  |  | Cost of attendance (determined by the school) minus any other inancial aid received |

1. Interest rates apply to loans first disbursed between July 1, 2019, and June 30, 2020.

Asset Management

## College endowments and financial aid

Endowments fund college scholarships and financial aid, but not enough to cover a typical family's costs.

How endowments get money and where they spend it


Few college students get the full benefit of endowments


Source: National Association of College and University Business Officers, 2018 study of endowments. Average endowment spending is based on a $4.4 \%$ spending rate, with 49\% going to student aid. Full scholarship amount is based on The College Board's 2019 Trends in College Pricing, using average tuition, fees and room and board for four-year, in-state public college.

## Other sources of college funding

Compared to these options, a 529 college savings plan is usually the better choice.

|  | HOW IT WORKS | PROS | CONS |
| :---: | :---: | :---: | :---: |
| Roth IRA | Withdraw retirement funds to pay for college | No taxes or penalties when contributions withdrawn ${ }^{1}$ <br> No penalty if investment earnings withdrawn for qualified higher education expenses <br> Assets not considered for federal financial aid | Withdrawals treated as student income for federal financial aid <br> Withdrawals for college reduce retirement savings (see page 30) <br> Potential taxes on investment earnings withdrawn ${ }^{2}$ <br> Annual contributions limited to $\$ 6,000$ ( $\$ 7,000$ if age 50+) <br> Contributors subject to income limits; no gifts allowed from others <br> No state tax benefits |
| Life insurance | Withdraw or borrow against the cash value of a policy to pay for college | Cash value grows tax-deferred; withdrawals generally tax-free ${ }^{3}$ <br> Cash value not considered an asset for federal financial aid | Withdrawals treated as student income for federal financial aid Subject to fees, commissions and surrender charges Loan interest not tax-deductible No state tax benefits |
| Home equity loan | Borrow against home equity value to pay for college | Have fixed interest rates often lower than federal college loans <br> Not subject to borrowing limits of federal loans | Interest not tax-deductible when used for college Unspent loan proceeds considered an asset for federal financial aid Less repayment flexibility than federal Ioans Risk of foreclosure if loan not repaid |
| Private loan | Borrow from bank, credit union or other lenders outside the U.S. government | Interest may be tax-deductible, subject to income limits <br> Higher borrowing limits than federal loans | Interest rates often variable and higher than federal loans Interest may be due while student is in college Less repayment flexibility than federal loans Often require cosigners |

1. Subject to certain requirements. Penalties may be due if contributions from a converted account are withdrawn within five years of the conversion. Please consult a tax professional for additional details.
2. Withdrawals of investment earnings are tax free if the account owner is over age $591 / 2$ and the Roth IRA has been open at least five years. Please consult a tax professional for additional details.
3. If withdrawal amounts exceed the premiums paid, taxes may be due on the difference.

## College-related tax breaks ${ }^{1}$

| Tax-advantaged college savings plans | DETAILS | INCOME LIMITS | TAX BENEFIT |
| :---: | :---: | :---: | :---: |
|  | 529 plans for four-year universities, graduate school, vocational-technical schools and community college | None | Contributions not typically deductible from federal taxes; |
|  | Coverdell Education Savings Accounts for any level of education, from elementary school through graduate school | $\begin{aligned} & \text { Single: } \$ 110,000 \\ & \text { Married filing jointly: } \\ & \$ 220,000 \end{aligned}$ | and withdrawals are generally tax-free for qualified expenses ${ }^{2}$ |
| Federal tax credits ${ }^{3}$ | American Opportunity Tax Credit for qualified expenses in the first four years of college | Single: $\$ 90,000$ Married filing jointly: \$180,000 | Reduce taxes by up to $\$ 2,500$ per student each year |
|  | Lifetime Learning Credit for qualified expenses in an unlimited number of years of college | Single: \$68,000 Married filing jointly: $\$ 136,000$ | Reduce taxes by up to $\$ 2,000$ per tax return each year |
| Student loan interest deduction | For interest paid on student loans taken out for yourself, your spouse or dependents; applies to all loans used to pay higher education expenses, not just federal loans | Single: \$85,000 Married filing jointly: $\$ 170,000$ | Reduce taxable income by up to $\$ 2,500$ each year |
| State tax deductions | Some states allow deductible contributions to a 529 college savings plan for state income tax purposes | Varies by state | Varies by state; see page 43 for more information |

Tax-advantaged graduate school, vocational-technical

## None

Contributions not typically deductible from federal taxes; estments grow tax-deferred nd withdrawals are generally
Coverdell Education Savings Accounts school through graduate school

American Opportunity Tax Credit
four years of college
Federal tax credits ${ }^{3}$

Student loan interest deduction

State tax deductions

Some states allow deductible
contributions to a 529 college savings plan for state income tax purposes

Reduce taxes by up to $\$ 2,500$ per student each year

Reduce taxes by up to $\$ 2,000$ per tax return each year see page 43 for more information

1. Must meet certain eligibility requirements. Information as of September 2019. Please consult a tax professional for additional details.
2. Tax-free withdrawals cannot be taken for the same expenses used to claim tax credits.
3. Taxpayers cannot claim both credits for the same student in the same year.
4. 



Tax parity states
These states offer a tax deduction for contributing to any 529 plan, including out-of-state plans that may be more attractive than the in-state option: Arizona, Arkansas, ${ }^{2}$ Kansas, Minnesota, Missouri, Montana, Pennsylvania.

Tax neutral states
These states offer no state tax deduction for 529 plan contributions: Alaska, California, Delaware, Florida, Hawaii, Kentucky, Maine, Nevada, New Hampshire, New Jersey, North Carolina, South Dakota, Tennessee, Texas, Washington, Wyoming.All other states
These states offer potential tax breaks on contributions made only to in-state 529 plans.

1. As of September 2019.
2. Arkansas also offers a state income tax deduction for contributions to 529 plans from other states; however, this deduction is less than the deduction for contributions made to Arkansas-based 529 plans. Consult the Arkansas plan for plan-specific information.

## Index definitions and disclosures

Indices are unmanaged, and an individual cannot invest directly in an index. Index returns do not include fees or expenses.

The Bloomberg Barclays U.S. Treasury Bellwethers 3M Index tracks the performance and attributes of the on-the-run (most recently auctioned) U.S. Treasury bill with 3 months' maturity. The index follows Bloomberg Barclays Capital's index monthly rebalancing conventions. It contains index history starting January 1, 1981.

The Bloomberg Barclays Capital U.S. Aggregate Index represents securities that are SEC-registered, taxable and dollar denominated. The index covers the U.S. investment-grade fixed-rate bond market, with index components for government and corporate securities, mortgage pass-through securities and asset-backed securities. These major sectors are subdivided into more specific indices that are calculated and reported on a regular basis.

The S\&P 500 Index is widely regarded as the best single gauge of the U.S. equities market. This world-renowned index includes a representative sample of 500 leading companies in leading industries of the U.S. economy. Although the S\&P 500 Index focuses on the large cap segment of the market, with approximately $75 \%$ coverage of U.S. equities, it is also an ideal proxy for the total market. An investor cannot invest directly in an index.

## Past performance is no guarantee of comparable future results.

## Diversification does not guarantee investment returns and does not

 eliminate the risk of loss.Bonds are subject to interest rate risks. Bond prices generally fall when interest rates rise.

The price of equity securities may rise or fall because of changes in the broad market or changes in a company's financial condition, sometimes rapidly or unpredictably. These price movements may result from factors affecting individual companies, sectors or industries, or the securities market as a whole, such as changes in economic or political conditions. Equity securities are subject to "stock market risk," meaning that stock prices in general may decline over short or extended periods of time.

## NOT FDIC INSURED \| NO BANK GUARANTEE | MAY LOSE VALUE

Before you invest, consider whether your or the Beneficiary's home state offers any state tax or other state benefits such as financial aid, scholarship funds, and protection from creditors that are only available for investments in that state's qualified tuition program.
The Comptroller of the State of New York and the New York State Higher Education Services Corporation are the Program Administrators and are responsible for implementing and administering New York's 529 AdvisorGuided College Savings Program (the "Advisor-Guided Plan"). Ascensus Broker Dealer Services, LLC serves as Program Manager for the Advisor-Guided Plan. Ascensus Broker Dealer Services, LLC and its affiliates have overall responsibility for the day-to-day operations of the Advisor-Guided Plan, including recordkeeping and administrative services. J.P. Morgan Investment Management Inc. serves as the Investment Manager. J.P. Morgan Asset Management is the marketing name for the asset management business of JPMorgan Chase \& Co. JPMorgan Distribution Services, Inc. markets and distributes the Advisor-Guided Plan. JPMorgan Distribution Services, Inc. is a member of FINRA.

No guarantee: None of the State of New York, its agencies, the Federal Deposit Insurance Corporation, J.P. Morgan Investment Management Inc., Ascensus Broker Dealer Services, LLC, JPMorgan Distribution Services, Inc., nor any of their applicable affiliates insures accounts or guarantees the principal deposited therein or any investment returns on any account or investment portfolio.
New York's 529 College Savings Program currently includes two separate 529 plans. The Advisor-Guided Plan is sold exclusively through financial advisory firms who have entered into Advisor-Guided Plan selling agreements with JPMorgan Distribution Services, Inc. You may also participate in the Direct Plan, which is sold directly by the Program and offers lower fees. However, the investment options available under the AdvisorGuided Plan are not available under the Direct Plan. The fees and expenses of the Advisor-Guided Plan include compensation to the financial advisory firm. Be sure to understand the options available before making an investment decision.

For more information about New York's 529 Advisor-Guided College Savings Program, you may contact your financial advisor or obtain an Advisor-Guided Plan Disclosure Booklet and Tuition Savings Agreement at www.ny529advisor.com or by calling 1-800-774-2108. This document includes investment objectives, risks, charges, expenses, and other information. You should read and consider it carefully before investing.

The Program Administrators, the Program Manager and JPMorgan Distribution Services, Inc., and their respective affiliates do not provide legal or tax advice. This information is provided for general educational purposes only. This is not to be considered legal or tax advice. Investors should consult with their legal or tax advisors for personalized assistance, including information regarding any specific state law requirements.

June 2020
529-CPE

## New York’s 529 Advisor-Guided College Savings Program ${ }^{\circ}$

Entrust your college fund to one of the world's largest, most respected financial institutions. The Advisor-Guided Plan is the only 529 plan offering you full access to the insights and investments of J.P. Morgan.

- Investment expertise from
J.P. Morgan Asset Management
- State tax deductions for account owners living or working in New York ${ }^{1}$
- High contribution limit of \$520,000 per beneficiary
- Upromise ${ }^{\circledR}$ rewards program turns everyday purchases into funds for college

1. Deductions may be subject to recapture in certain circumstances, such as rollovers to another state's plan; distributions for tuition expenses in connection with enrollment or attendance at an elementary or secondary public, private or religious school; or nonqualified withdrawals.
2. As of 9/30/19.


Expert management


Investment choices

Broad diversification
Access to asset classes and investment strategies not often found in 529 plans

- Potential for higher returns and lower risk than less diversified portfolios

College Savings Program


[^0]:    Source: J.P. Morgan Asset Management, using The College Board, 2019 Trends in College Pricing. Future college costs estimated to inflate $5 \%$ per year. Average tuition, fees and room and board for public college reflect four-year, in-state charges.

    1. Federal Reserve Bank of New York, June 2019.
[^1]:    1. Strategic Insight, 529 Industry Analysis: 2019.
[^2]:    Source: J.P. Morgan Asset Management. This hypothetical example illustrates the future values of different regular monthly investments for different time periods. Chart also assumes an annual investment return of 6\%, compounded monthly. Investment losses could affect the relative tax-deferred investing advantage. This hypothetical illustration is not indicative of any specific investment and does not reflect the impact of fees or expenses. Such costs would lower performance. Each investor should consider his or her current and anticipated investment horizon and income tax bracket when making an investment decision, as the illustration may not reflect these factors. A plan of regular investment cannot ensure a profit or protect against a loss in a declining market. This chart is shown for illustrative purposes only. Past performance is no guarantee of future results.

[^3]:    Source: The College Board, 2019 Trends in College Pricing. Based on average tuition, fees and room/board costs for 2019-20 school year. Costs estimated to inflate 5\% per year. This example is hypothetical and assumes a $6 \%$ annual rate of return, compounded monthly and annual contributions of $\$ 15,790$ over an 18 -year period. This example does not represent the performance of any particular investment. Different assumptions will result in outcomes different from this example. Your results may be more or less than the figures shown. Investment losses could affect the relative tax-deferred investing advantage. Each investor should consider his or her current and anticipated investment horizon and income tax bracket when making an investment decision, as the illustration may not reflect these factors. These figures do not reflect any management fees or expenses that would be paid by a 529 plan participant. Such costs would lower performance. Contributors should consider the potential gift tax implications of making large contributions. This chart is shown for illustrative purposes only. Past performance is no guarantee of future results.

[^4]:    1. U.S. Department of Education. Awards are subject to availability of funds, and recipients must meet certain eligibility requirements.
