



Find out which Vanguard index mutual funds can be converted tax-free to Vanguard ETFs

The following 18 traditional index mutual funds have corresponding ETFs (exchange-traded funds) that **now have lower expense ratios**, with savings ranging from 10% to almost 30%.

Vanguard mutual fund (Admiral Shares)	Mutual fund expense ratio	Corresponding Vanguard ETF [®]	ETF expense ratio	Savings to you
U.S. bond funds				
Tax-Exempt Bond Index Fund (VTEAX)	0.09%	Tax-Exempt Bond ETF (VTEB)	0.08%	11%
U.S. stock funds				
500 Index Fund (VFIAX)	0.04%	S&P 500 ETF (VOO)	0.03%	25%
Dividend Appreciation Index Fund (VDADX)	0.08%	Dividend Appreciation ETF (VIG)	0.06%	25%
Growth Index Fund (VIGAX)	0.05%	Growth ETF (VUG)	0.04%	20%
High Dividend Yield Index Fund (VHYAX)	0.08%	High Dividend Yield ETF (VYM)	0.06%	25%
Large-Cap Index Fund (VLCAX)	0.05%	Large-Cap ETF (VV)	0.04%	20%
Mid-Cap Index Fund (VIMAX)	0.05%	Mid-Cap ETF (VO)	0.04%	20%
Total Stock Market Index Fund (VTSAX)	0.04%	Total Stock Market ETF (VTI)	0.03%	25%
Value Index Fund (VVIAX)	0.05%	Value ETF (VTV)	0.04%	20%
International bond funds				
Total International Bond Index Fund (VTABX)	0.11%	Total International Bond ETF (BNDX)	0.09%	18%
International stock funds				
Developed Markets Index Fund (VTMGX)	0.07%	FTSE Developed Markets ETF (VEA)	0.05%	29%
Emerging Markets Stock Index Fund (VEMAX)	0.14%	FTSE Emerging Markets ETF (VWO)	0.12%	14%
European Stock Index Fund (VEUSX)	0.10%	FTSE Europe ETF (VGK)	0.09%	10%
FTSE All-World ex-US Index Fund (VFWAX)	0.11%	FTSE All-World ex-US ETF (VEU)	0.09%	18%
FTSE All-World ex-US Small-Cap Index Fund (VFSAX)	0.16%	FTSE All-World ex-US Small-Cap ETF (VSS)	0.12%	25%
Pacific Stock Index Fund (VPADX)	0.10%	FTSE Pacific ETF (VPL)	0.09%	10%
Total International Stock Index Fund (VTIAX)	0.11%	Total International Stock ETF (VXUS)	0.09%	18%
Total World Stock Index Fund (VTWAX)	0.10%	Total World Stock ETF (VT)	0.09%	10%

There are 29 additional Vanguard index mutual funds that are eligible for conversion to ETFs but have expense ratios that match their mutual fund counterparts.

Vanguard mutual fund (Admiral Shares)	Corresponding Vanguard ETF
U.S. bond funds	
Intermediate-Term Corporate Bond Index Fund (VICSX)	Intermediate-Term Corporate Bond ETF (VCIT)
Intermediate-Term Treasury Index Fund (VSIGX)	Intermediate-Term Treasury ETF (VGIT)
Long-Term Corporate Bond Index Fund (VLTCX)	Long-Term Corporate Bond ETF (VCLT)
Long-Term Treasury Index Fund (VLGSX)	Long-Term Treasury ETF (VGLT)
Mortgage-Backed Securities Index Fund (VMBSX)	Mortgage-Backed Securities ETF (VMBS)
Short-Term Corporate Bond Index Fund (VSCSX)	Short-Term Corporate Bond ETF (VCSH)
Short-Term Inflation-Protected Securities Index Fund (VTAPX)	Short-Term Inflation-Protected Securities ETF (VTIP)
Short-Term Treasury Index Fund (VSBSX)	Short-Term Treasury ETF (VGSH)
U.S. stock funds	
Extended Market Index Fund (VEXAX)	Extended Market ETF (VXF)
Mid-Cap Growth Index Fund (VMGMX)	Mid-Cap Growth ETF (VOT)
Mid-Cap Value Index Fund (VMVAX)	Mid-Cap Value ETF (VOE)
Small-Cap Growth Index Fund (VSGAX)	Small-Cap Growth ETF (VBK)
Small-Cap Index Fund (VSMAX)	Small-Cap ETF (VB)
Small-Cap Value Index Fund (VSIAX)	Small-Cap Value ETF (VBR)
International bond funds	
Emerging Markets Government Bond Index Fund (VGAVX)	Emerging Markets Government Bond ETF (VWOB)
International stock funds	
Global ex-U.S. Real Estate Index Fund (VGRLX)	Global ex-U.S. Real Estate ETF (VNQI)
International Dividend Appreciation Index Fund (VIAAX)	International Dividend Appreciation ETF (VIGI)
International High Dividend Yield Index Fund (VIHAX)	International High Dividend Yield ETF (VYMI)
Sector & specialty funds	
Communication Services Index Fund (VTCAX)	Communication Services ETF (VOX)
Consumer Discretionary Index Fund (VCDAX)	Consumer Discretionary ETF (VCR)
Consumer Staples Index Fund (VCSAX)	Consumer Staples ETF (VDC)
Energy Index Fund (VENAX)	Energy ETF (VDE)
Financials Index Fund (VFAIX)	Financials ETF (VFH)
Health Care Index Fund (VHCIX)	Health Care ETF (VHT)
Industrials Index Fund (VINAX)	Industrials ETF (VIS)
Information Technology Index Fund (VITAX)	Information Technology ETF (VGT)
Materials Index Fund (VMIAX)	Materials ETF (VAW)
Real Estate Index Fund (VGSLX)	Real Estate ETF (VNQ)
Utilities Index Fund (VUIAX)	Utilities ETF (VPU)

If you don't see your fund listed here, it's not currently eligible for conversion.

Why are the ETF expense ratios lower?

As people realize the benefits of Vanguard ETFs® and invest more money in them, Vanguard achieves new economies of scale that help reduce costs.

Because you own the funds that, in turn, own Vanguard, those benefits are passed directly to you.

If the expense ratios are the same, what's the difference between the mutual fund and the ETF?

There are actually more similarities than differences. Each mutual fund and its corresponding ETF carry the same degree of risk because—as 2 share classes of the same fund—they invest in identical portfolios of underlying stocks and bonds.

The most noticeable differences are:

- ETFs have much lower investment minimums because you only have to buy 1 share at a time, not meet a \$3,000 (or higher) minimum.
- ETFs are priced in real time throughout the trading day, whereas mutual funds are priced once, at the end of the day.

You must buy and sell Vanguard ETF Shares through Vanguard Brokerage Services (we offer them commission-free) or through another broker (which may charge commissions). See the Vanguard Brokerage Services commission and fee schedules at vanguard.com/commissions for full details. Vanguard ETF Shares are not redeemable directly with the issuing fund other than in very large aggregations worth millions of dollars. ETFs are subject to market volatility. When buying or selling an ETF, you will pay or receive the current market price, which may be more or less than net asset value.

For more information about Vanguard mutual funds and ETFs, download a prospectus or, if available, a summary prospectus, at vanguard.com/fundprospectus (for mutual funds) or vanguard.com/etfprospectus (for ETFs). Investment objectives, risks, charges, expenses, and other important information about a fund are contained in the prospectus; read and consider it carefully before investing.

All investing is subject to risk, including the possible loss of the money you invest.

Vanguard is client-owned. As client-owners, individual shareholders own the funds that own Vanguard.