

OPEN YOUR RETIREMENT ACCOUNT

NEED HELP? Call 800 842-2252

Monday to Friday from 8 a.m. to 10 p.m., and Saturday from 9 a.m. to 6 p.m. (ET) or visit

tiaa.org

¿HABLA ESPAÑOL?* Llame al 800 842-2252

v marque 9 si desea atención en español. de lunes a viernes de 8:00 a 22:00 hrs. y sábados de 9:00 a 18:00 hrs. (hora del Este).

Go to www.tiaa.org/guide to view a web tutorial that will walk you through the decision-making process.

FILL OUT YOUR ENROLLMENT FORM

STEP 1 CHOOSE YOUR INVESTMENTS

> Select from the list of investment choices available under your employer's plan. Please review the prospectuses for the investment choices before making your selections. See next page for how to access the prospectuses.

TELL US ABOUT YOURSELF STEP 2

Provide basic information to establish your account.

STEP 3 LIST ANY EXISTING CONTRACTS

See instructions to determine if applicable.

STEP 4 NAME YOUR BENEFICIARIES

SPOUSAL WAIVER (IF APPLICABLE)

This section may or may not appear on your form, depending on the provisions of your employer's plan. If it does appear on your form, and if you are married and name someone other than your spouse as beneficiary for more than 50% of the death benefit, your spouse

will need to complete and sign this section.

SIGN YOUR FORM

STEP 5

If you need to make a change please initial and date next to the correction.

RETURN YOUR COMPLETED FORM

Return your completed form to your employer's HR/Benefits office. You may need to complete a salary deferral agreement with your employer.

IMPORTANT INFORMATION

Whenever a new account is opened, federal law requires all financial institutions to help the government fight the funding of terrorism and prevent money laundering activities by obtaining, verifying and recording information that identifies each person who opens an account. For this reason, we request your name, physical address (a P.O. Box alone is insufficient), date of birth, Social Security number (or taxpayer identification number), telephone number and other information that will allow us to identify you. Without this information, we may not be able to open an account or process any transactions for you. State regulations require that you provide information on any existing annuity or life insurance contracts that would be replaced by the TIAA account for which you are applying. If your new TIAA account is going to replace more than one existing contract, please include that information. FOR ARIZONA RESIDENTS ONLY: 30-Day Right to Examine Your Contract. TIAA is required, upon written request, to provide you, within a reasonable time, reasonable factual information regarding the benefits and provisions of the annuity contract. You have 30 days from the day you receive the contract to examine it and to cancel it if you decide not to keep it. To cancel the contract, return it to us at the address shown below. Upon receipt of such request, TIAA will refund all premiums allocated to the Traditional Annuity plus the current accumulated value of all premiums allocated to the TIAA Variable Annuity Separate account, plus any expense charges or premium taxes deducted from premiums. The contract will be void as of the date of issue and no benefits will be provided.

*Todos los contratos están redactados en inglés. Al hacer cualquier trato con nosotros, usted declara comprender nuestros documentos si los lee en inglés o que cuenta con algún asesor de su confianza que se los interprete. All contract documents are in English. When you do business with us, you represent that you can read and understand our English documents or have your own trusted advisor who can interpret them for you.

You should consider the investment objectives, risks, charges and expenses carefully before investing, Please call 877 518-9161 or log on to tiaa org for paper copies of the product and fund prospectuses that contain this and other information. Please read the prospectus carefully before investing. To have copies of paper prospectuses sent to you at no charge, please call TIAA at 877 518-9161. TIAA-CREF Individual & Institutional Services, LLC and Teachers Personal Investors Services, Inc. distribute securities products. TIAA (Teachers Insurance and Annuity Association of America) and CREF (College Retirement Equities Fund), 730 Third Avenue, New York, NY 10017 issues annuities.

©2016 Teachers Insurance and Annuity Association of America-College Retirement Equities Fund (TIAA-CREF).



NEED HELP?

For assistance in choosing an allocation or filling out your form, please call us at 800-842-2252.

If your employer's plan offers mutual funds as an investment choice, participants with non-U.S. addresses may be subject to certain investment restrictions, including restrictions on purchases of mutual funds.

TWO EASY WAYS TO PICK YOUR INVESTMENTS

OPTION A: One-Step Investing

This option is designed for investors who want to keep it simple — by choosing a single TIAA-CREF Lifecycle Fund to help meet all of their retirement needs. It's a convenient, low-maintenance way to have your retirement investments professionally managed for you — to and through retirement. All you need to do is pick a single TIAA-CREF Lifecycle Fund.

TIAA-CREF Lifecycle Funds have names that match specific investment time horizons — the year an investor expects to retire. So all you need to do is choose the Lifecycle investment with the name that most closely matches when you think that will be.

OPTION B: Pick Your Own Investment Mix

This option is designed for investors who want to research and evaluate their investment choices and then create their own portfolios. We can give you a head start, by providing some examples of model portfolios that include a mix of different asset classes and represent different levels of tolerance. We can also help you determine how much risk you're comfortable taking as a long-term investor.

Before making your investment choices and completing your enrollment form, please read the prospectuses and plan and investment-related information, including plan fees and expenses and current investment performance. To view the prospectuses online, go to TIAA.org/PRO and enter your Prospectus Access Code: 151200. If you prefer, you can obtain paper copies of the product and fund prospectuses by calling 877-518-9161. Please note that on your enrollment form, you will be asked to confirm that you have received and accessed the relevant prospectus(es) for your investment choices. Please read the prospectuses carefully before investing.

OPTION A: One-Step Investing

Pick the TIAA-CREF Lifecycle Fund that's closest to the year you plan to retire. All of your contributions will go into the fund you pick.

Investment	Туре	Ticker Symbol	Share Class
TIAA-CREF Lifecycle 2010 Fund	Mutual Fund	TCTPX	Premier
TIAA-CREF Lifecycle 2015 Fund	Mutual Fund	TCFPX	Premier
TIAA-CREF Lifecycle 2020 Fund	Mutual Fund	TCWPX	Premier
TIAA-CREF Lifecycle 2025 Fund	Mutual Fund	TCQPX	Premier
TIAA-CREF Lifecycle 2030 Fund	Mutual Fund	TCHPX	Premier
TIAA-CREF Lifecycle 2035 Fund	Mutual Fund	TCYPX	Premier
TIAA-CREF Lifecycle 2040 Fund	Mutual Fund	TCZPX	Premier
TIAA-CREF Lifecycle 2045 Fund	Mutual Fund	ПГРХ	Premier
TIAA-CREF Lifecycle 2050 Fund	Mutual Fund	TCLPX	Premier



CHOOSE YOUR ALLOCATION

	OPTION	A: One Step Investing (continued)			
		Investment	Туре	Ticker Symbol	Share Class
		TIAA-CREF Lifecycle 2055 Fund	Mutual Fund	TTRPX	Premier
		TIAA-CREF Lifecycle 2060 Fund	Mutual Fund	TLXPX	Premier
		TIAA-CREF Lifecycle Retirement Income Fund	Mutual Fund	TPILX	Premier
	OPTION B: P	ick Your Own Investments			
		restments to build a diversified mix that's right for you ion equals 100%. HELPFUL TOOL: Visit TIAA.org/cal ion.	•	cation Evaluato	r to help you
	Percentage	Investment	Туре	Ticker Symbol	Share Class
EQUITIES	<u> </u>	American Funds EuroPacific Growth Fund	Mutual Fund	REREX	R4
	%	American Funds New Perspective Fund	Mutual Fund	RNPEX	R4
	<u> </u>	Columbia Mid Cap Index Fund	Mutual Fund	NMPAX	Z
	%	CREF Equity Index Account	Variable Annuity	QCEQPX	R2
	%	CREF Global Equities Account	Variable Annuity	QCGLPX	R2
	<u> </u>	CREF Growth Account	Variable Annuity	QCGRPX	R2
	\(\) \(\) \(\) \(\) \(\)	CREF Stock Account	Variable Annuity	QCSTPX	R2
	<u> </u>	DFA Emerging Markets Portfolio	Mutual Fund	DFEMX	Institutional
	%	T. Rowe Price Growth Stock Fund	Mutual Fund	TRSAX	Advisor
	<u> </u>	Vanguard Developed Markets Index Fund	Mutual Fund	VTMGX	Admiral
	<u> </u>	Vanguard Institutional Index Fund	Mutual Fund	VINIX	Institutional
	%	Vanguard Small-Cap Index Fund	Mutual Fund	VSMAX	Admiral
REAL ESTATE	%	TIAA Real Estate Account	Variable Annuity	QREARX	N/A



CHOOSE YOUR ALLOCATION

OPTION B: Pick Your Own Investments (continued)

	Investment	Туре	Symbol	Class
%	CREF Bond Market Account	Variable Annuity	QCBMPX	R2
%	CREF Inflation-Linked Bond Account	Variable Annuity	QCILPX	R2
%	Vanguard Inflation Protected Securities Fund	Mutual Fund	VAIPX	Admiral
<u> </u>	Vanguard Total Bond Market Index Fund	Mutual Fund	VBTLX	Admiral
%	CREF Money Market Account	Variable Annuity	QCMMPX	R2
<u> </u>	Vanguard Federal Money Market Fund	Mutual Fund	VMFXX	Investor
%	TIAA Traditional Annuity	Guaranteed Annuity	N/A	N/A
%	CREF Social Choice Account	Variable Annuity	QCSCPX	R2
%	TIAA-CREF Lifecycle 2010 Fund	Mutual Fund	TCTPX	Premier
%	TIAA-CREF Lifecycle 2015 Fund	Mutual Fund	TCFPX	Premier
%	TIAA-CREF Lifecycle 2020 Fund	Mutual Fund	TCWPX	Premier
%	TIAA-CREF Lifecycle 2025 Fund	Mutual Fund	TCQPX	Premier
%	TIAA-CREF Lifecycle 2030 Fund	Mutual Fund	TCHPX	Premier
%	TIAA-CREF Lifecycle 2035 Fund	Mutual Fund	TCYPX	Premier
%	TIAA-CREF Lifecycle 2040 Fund	Mutual Fund	TCZPX	Premier
%	TIAA-CREF Lifecycle 2045 Fund	Mutual Fund	TTFPX	Premier
%	TIAA-CREF Lifecycle 2050 Fund	Mutual Fund	TCLPX	Premier
%	TIAA-CREF Lifecycle 2055 Fund	Mutual Fund	TTRPX	Premier
<u> </u>	TIAA-CREF Lifecycle 2060 Fund	Mutual Fund	TLXPX	Premier
%	TIAA-CREF Lifecycle Retirement Income Fund	Mutual Fund	TPILX	Premier
	% % % % % % % % % % % % % % % % % % %	% Vanguard Inflation Protected Securities Fund % Vanguard Total Bond Market Index Fund % CREF Money Market Account % Vanguard Federal Money Market Fund % TIAA Traditional Annuity % CREF Social Choice Account TIAA-CREF Lifecycle 2010 Fund TIAA-CREF Lifecycle 2015 Fund TIAA-CREF Lifecycle 2025 Fund TIAA-CREF Lifecycle 2025 Fund TIAA-CREF Lifecycle 2030 Fund TIAA-CREF Lifecycle 2035 Fund TIAA-CREF Lifecycle 2040 Fund TIAA-CREF Lifecycle 2045 Fund TIAA-CREF Lifecycle 2055 Fund TIAA-CREF Lifecycle 2055 Fund TIAA-CREF Lifecycle 2055 Fund TIAA-CREF Lifecycle 2055 Fund TIAA-CREF Lifecycle 2050 Fund TIAA-CREF Lifecycle 2050 Fund TIAA-CREF Lifecycle 2050 Fund TIAA-CREF Lifecycle 2060 Fund	% Vanguard Inflation Protected Securities Fund % Vanguard Total Bond Market Index Fund Mutual Fund % Variable Annuity % Vanguard Federal Money Market Fund Mutual Fund % TIAA Traditional Annuity Guaranteed Annuity % CREF Social Choice Account % TIAA-CREF Lifecycle 2010 Fund Mutual Fund	% Vanguard Inflation Protected Securities Fund % Vanguard Total Bond Market Index Fund % Variable Annuity % CREF Money Market Account % Variable Annuity % Vanguard Federal Money Market Fund Mutual Fund % Variable Annuity % Variable Annuity % Uarguard Federal Money Market Fund Mutual Fund Mutual Fund Mutual Fund TIAA Traditional Annuity % CREF Social Choice Account % TIAA-CREF Lifecycle 2010 Fund Mutual Fund TCTPX TIAA-CREF Lifecycle 2020 Fund Mutual Fund TCPX TIAA-CREF Lifecycle 2025 Fund Mutual Fund TCWPX TIAA-CREF Lifecycle 2030 Fund Mutual Fund TCWPX TIAA-CREF Lifecycle 2035 Fund Mutual Fund TCYPX TIAA-CREF Lifecycle 2040 Fund Mutual Fund TCYPX TIAA-CREF Lifecycle 2045 Fund Mutual Fund TCZPX TIAA-CREF Lifecycle 2045 Fund Mutual Fund TCZPX TIAA-CREF Lifecycle 2055 Fund Mutual Fund TTFPX TIAA-CREF Lifecycle 2055 Fund Mutual Fund TCPX TIAA-CREF Lifecycle 2055 Fund Mutual Fund TCPX TIAA-CREF Lifecycle 2055 Fund Mutual Fund TTRPX TIAA-CREF Lifecycle 2055 Fund Mutual Fund TTRPX TIAA-CREF Lifecycle 2055 Fund Mutual Fund TTRPX TIAA-CREF Lifecycle 2056 Fund Mutual Fund TLXPX

1 0 0 % TOTAL



Teachers Insurance and Annuity Association of America-College Retirement Equities Fund, New York, NY 10017

ENROLLMENT FORM

FOR TIAA & CREF RETIREMENT ANNUITY (RA) CONTRACTS WITH DELAYED VESTING

Please print in capital letters and only use black or dark blue ink.

TELL US A	ABOUT YOURSELF					
Title	First Name			Middle	Name	
Last Name						
Social Security	or Tax ID Number	Gender			Birth Date ((mm/dd/yyyy)
		Mal	e Fe	male		
Your Spouse's I	Name		E-mail Add	ress		
Daytime Phone			Evening Ph	one		
Residentia	Address (No PO Boxes pl	ease.)				
Address						
City			State	Zip Code	e	Country
Mailing Ad	dress (If different from your	resident	ial address.)		
Address	arous (ii aineisii neiii year			,		
City			State	Zip Code	9	Country
				•		
Employmor	at Information					
Employmer Employer	nt Information					
Lilipioyei						
Campus/Brancl						Plan ID
Campus/ Dianci						

Your Investment Allocation

Important Information Please be sure to provide instructions on how to allocate your contributions to the investments offered under the retirement plan on the "Choose Your Allocation" form. If your asset allocation is missing or incomplete in any way, your contributions will be automatically invested in accordance with the plan's Qualified Default Investment Alternatives or otherwise applicable default investment, which can be located in the plan's Summary Plan Description available from your employer.







FOR TIAA & CREF RETIREMENT ANNUITY (RA) CONTRACTS WITH DELAYED VESTING

Regulations require that we ask if you are replacing an existing annuity contract/ certificate or life insurance policy with this enrollment.

LIST ANY EXISTING CONTRACTS / CERTIFICATES (IF APPLICABLE) Do you own any annuity contracts / certificates or life insurance policies? Yes No Does this enrollment replace, discontinue or change an existing annuity contract / certificate or life insurance policy? If yes, provide contract / certificate number and company name below. If no, skip this step and proceed to 'Name Your Beneficiaries'. Contract / Certificate Number Company Name NAME YOUR BENEFICIARIES Primary Beneficiaries Name (Title, First Name, Middle Name, Last Name)

Make sure the percentages for your primary and contingent beneficiaries each totals 100%.

DEFINITION: Primary

individuals who are entitled to receive the benefits of your plan

beneficiaries are

if you die.

Percentage	Social Security or Tax ID Number	Birth Date (mm/dd/yyyy)	
Relationship			
Name (Title, First	t Name, Middle Name, Last Name)		
Percentage	Social Security or Tax ID Number	Birth Date (mm/dd/yyyy)	
Relationship			

TIAA

ENROLLMENT FORM

FOR TIAA & CREF RETIREMENT ANNUITY (RA) CONTRACTS WITH DELAYED VESTING

DEFINITION: Contingent beneficiaries are individuals who are entitled to receive the benefits of your plan if the primary beneficiary(ies) die(s) before you.

To choose more than two primary or contingent beneficiaries, include an additional page with your name, Social Security or Tax ID number, and the information for the additional beneficiaries.

_	nt Beneficiaries t Name, Middle Name, Last Name)		
Percentage	Social Security or Tax ID Number	Birth Date (mm/dd/yyyy)	
Relationship	A Name - Middle Name - Leat Name)		
Name (me, rms	t Name, Middle Name, Last Name)		
Percentage	Social Security or Tax ID Number	Birth Date (mm/dd/yyyy)	
Relationship			

WAIVER OF SPOUSE'S RIGHT TO PRERETIREMENT DEATH BENEFITS (IF APPLICABLE)

You only need to have your spouse complete this section if:

- 1. you are married, AND
- you wish to name a person or entity other than your spouse as primary beneficiary for more than 50% of the death benefit.

The date of your spouse's signature must be the same or later than the date you sign your enrollment form. Your spouse's signature must be notarized or witnessed by a plan representative.

PLEASE NOTE: If you're married and you name a person or entity other than your spouse as primary beneficiary for more than 50% of the death benefit or the percent specified by your employer plan, then your spouse must properly consent to waive his/her preretirement survivor death benefit under your employer plan and/or ERISA in order to put your nonspousal beneficiary designation into effect. Generally, waiving spousal rights is available if you are age 35 or older. If you're under age 35 and wish to designate someone other than your spouse as beneficiary, please contact your benefits office.

CONSENT BY SPOUSE (MUST BE WITNESSED)

I am voluntarily and irrevocably giving up my right to a qualified preretirement survivor death benefit. I recognize that any preretirement death benefit payable under these annuities and/or mutual funds held under my spouse's employer plan will be paid to the beneficiaries as described in this form.

Signature of Spouse		Date (mm/dd/yyyy)
Social Security or Tax ID Number	Birth Date (mm/dd/yyyy)	
Signature of Notary Public or Plan Repre	esentative	Date (mm/dd/yyyy)

ENROLLMENT FORM



FOR TIAA & CREF RETIREMENT ANNUITY (RA) CONTRACTS WITH DELAYED VESTING

SIGN YOUR FORM

Subject to the terms of your employer's retirement plan, your employer exercises all rights under your annuity contracts and the mutual funds until you become vested under the plan. Afterward, you exercise these rights yourself.

Your employer's plan may offer mutual funds as an investment choice in addition to the TIAA and CREF annuities. The TIAA and CREF annuity contracts and amounts in any of the mutual funds do not provide for loans and cannot be assigned. Under federal law, distributions before age 59½ or before termination of employment may be prohibited, limited, and/or subject to substantial tax penalties. Your ability to make withdrawals and transfers from the TIAA and CREF annuity contracts is subject to the terms of these contracts and may be limited. The TIAA annuity contract does not allow lump-sum cash withdrawals or transfers from the TIAA Traditional Annuity, and withdrawals and transfers must be spread over a ten-year period. Transfers among the TIAA Variable Annuity Separate accounts, the CREF Variable Annuity accounts and any of the non-annuity mutual funds may be made in a lump sum. The amount and value of any accumulation units transferred from any account within a TIAA Variable Annuity Separate account may be affected by redemption charges imposed by the investments in which the account invests. The accumulations in and benefit payments from the CREF accounts, the TIAA Variable Annuity Separate accounts, and the mutual funds are variable and not guaranteed; they depend on the investment performance of these accounts.

Your beneficiary designation will apply to your TIAA and CREF annuities and to the mutual fund accounts. Under your employer's plan, your spouse has the right to a death benefit. If the plan is subject to ERISA, your spouse is entitled to at least 50% of the death benefit specified by the plan. If the plan is not subject to ERISA, your spouse is entitled to the percentage stipulated by the plan. Your spouse must consent to any beneficiary designation that doesn't meet this requirement by completing the "Waiver of Spouse's Right to Preretirement Death Benefits."

PROSPECTUS AND OTHER DOCUMENTS ACKNOWLEDGMENT

Please check the box below acknowledging your receipt of the following documer	ox below acknowledging your receipt of the following docum	nents
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- Prospectuses for the investment options available to you
 TIAA Business Continuity Policy
- TIAA Privacy PolicyIntermediary Frequent Trading Policy

Please check the box below to acknowledge electronic receipt of prospectuses and other required documents.

I acknowledge that I consent to receiving and have received the above-referenced documents for my plan by means of either the TIAA website (tiaa.org), the website from which this form was downloaded, a CD accompanying my enrollment form, or at the special web address www.tiaa.org/PRO using the Prospectus Access Code provided in my enrollment materials. I further acknowledge that I am able to access these documents via one of these sources. I understand that this acknowledgment applies only to this initial enrollment.

To select this acknowledgment and consent, you must either have access to the websites noted above or a computer with a CD drive and Internet access. In either case, you must also be able to download, view and print the documents. You will need Adobe Reader to view and print electronic PDF documents. If you don't have Adobe Reader, go to www.adobe.com to download a free copy. To request assistance with accessing these documents electronically, please contact us toll-free at 800 842-2252. You understand and acknowledge that accessing documents electronically may involve additional costs, including but not limited to, subscription access fees from an Internet service provider and printing costs.

Paper versions of the above documents can be ordered free of charge, both now and in the future, by calling toll-free 877 518-9161 or go to tiaa.org. If you are unable to acknowledge that you have received and accessed these documents on the website or CD, please call 877 518-9161 for paper prospectuses at no charge.

Note: Unless indicated above, I acknowledge that I have received paper copies of the above-referenced documents.

Under penalties of perjury, you certify that the taxpayer identification number shown on this form is your correct Social Security number. The Internal Revenue Service does not require your consent to any provision of this document.

I have read the enrollment form. To the best of my knowledge and belief, I understand all provisions of this enrollment form.

Please sign in	Signature (Applicant)	Date (mm/dd/yyyy)
only black or dark		
blue ink.		
	Signature (Employer's Authorized Official or Plan Representative)	Date (mm/dd/yyyy)



ENROLLMENT FORM

FOR TIAA & CREF RETIREMENT ANNUITY (RA) CONTRACTS WITH DELAYED VESTING

FOR YOUR PROTECTION, WE PROVIDE THIS NOTICE / WARNING REQUIRED BY MANY STATES

This notice/warning does not apply in New York.

Any person who, knowingly and with intent to defraud any insurance company or other person, files an application for insurance or a statement of claim for insurance benefits containing materially false information or conceals, for the purpose of misleading, information concerning any fact material thereto, commits a fraudulent insurance act, which is a crime and may be subject to criminal penalties, including confinement in prison, and civil penalties. Such action may entitle the insurance company to deny or void coverage or benefits. Also:

CO: Any insurance company or agent of an insurance company who knowingly provides false, incomplete, or misleading facts or information to a policyholder or claimant for the purpose of defrauding or attempting to defraud the policyholder or claimant with regard to a settlement or award payable from insurance proceeds shall be reported to the Colorado Division of Insurance within the Department of Regulatory Agencies.

DC, **VA**: Any person who knowingly presents a false or fraudulent claim for payment of a loss or benefit or knowingly presents false information in an application for insurance is guilty of a crime and may be subject to fines and confinement in prison.

FOR TIAA AGENT USE, IF APPLICABLE		
Agent Name (Title, First Name, Middle Name, Last Name)		Agent CRD Number
Replacement requirements:	Exempt	Subject to Replacement Requirements
To the best of my knowledge and belief, the applicant owns existing life insurance policies or annuity contracts.	Yes	No
To the best of my knowledge and belief, the applicant is replacing, discontinuing, or changing existing life insurance policies or annuity contracts.	Yes	No
For contracts to be issued in North Carolina		
I did not record the applicant's information on the enrollment form. The info	rmation on the e	nrollment form was recorded by the applicant.
I recorded the information on the enrollment form and certify that the info information provided by the applicant.	rmation I record	ed completely and accurately represents the
Agent Signature (Title, First Name, Middle Name, Last Name)		Date (mm/dd/yyyy)

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